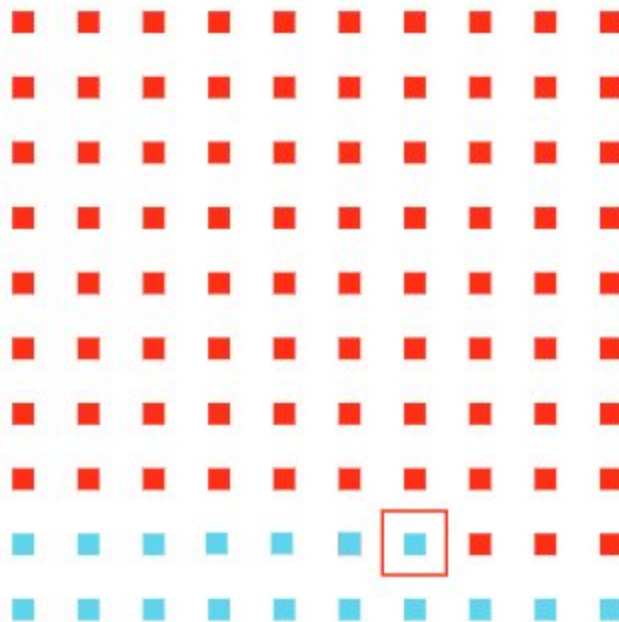




Undergraduate Guide 2025-2026

Department of Architecture
Chittagong University of Engineering & Technology
Bangladesh.

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Falling Water by Architect Frank Lloyd Wright, Pastel Work by Santanu Benazir Biva'14

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VICE CHANCELLOR

With the rapid phase of technological advancement one cannot escape the ubiquitous globalization now embracing all aspects of our daily lives. Chittagong University of Engineering & Technology is not different from the other institutions worldwide. We need to have universal focus on thinking innovative while being dramatically action to suit the local environmental scenario. Modern technological advancement in the field of Architecture made it possible to create a green and sustainable environment which is the most important issue for present time.

With these ideas in mind, I warmly welcome all of you to the undergraduate program under the department of Architecture. Though our department is young, we strong concerned to build the students of these departments as world class architecture.

The department of Architecture offers Bachelor of Architecture, which was founded in March, 2010, among to be the leading Architecture school in the country, so that its graduates are globally admired, respected and fit for the purpose becoming efficient professionals within the respected field.

As a Vice Chancellor of the Chittagong University of Engineering & Technology, I am very pleased to invite you all to the department of architecture. Best wishes in achieving your career goals through undergraduate studies at CUET.

Prof. Dr. Mahmud Abdul Matin Bhuiyan

Vice Chancellor

CUET



DEAN

It is a great pleasure to write few words about the department of Architecture, a school of 'aesthetic art and beauty'. It is a multidisciplinary subject covering a wide range of studies such as, arts, planning, design, engineering, science, geography, geology, history, literature, development, climate, environment, management, ethics, and socio-economic. The study of architecture is, indeed, a study of arts, science and engineering.

The underlying philosophy of B. Arch curriculum is to cultivate students' independent thinking and innovation. In addition, it ignites students' passion and analytical skills. Moreover, the curriculum is designed with a view so that students can gain historical knowledge, philosophical knowledge, subject knowledge, practical skills and competencies. Most importantly, the curriculum is provided with opportunities for students to be well equipped with theoretical and practical knowledge of arts, science, engineering and social science.

The faculties engaged in Architecture department have been working very hard sincerely since its inception in 2010 for the development and welfare of the students. They are actively involved in imparting knowledge and undertaking research. Moreover, they do maintain a good relation and network with renowned academics and expert professionals at home and abroad for the betterment of the students and faculties. In every academic year, the department organised a jury to examine students' final year project. This is, indeed, a huge source of learning both for students and faculties.

I am very happy to know that knowledgeable faculty members and brilliant students of this department are contributing to design beautiful infrastructures at CUET and beyond. I am sure they are playing a vital role in achieving the mission and vision of the university.

Wishing this department all best for outstanding achievements and contributing in nation building.

Prof. Dr. Muhammad Rashidul Hasan
Dean, Faculty of Architecture and Planning
CUET



"We as people, as learners, as growers, have to begin to think about the world beyond ourselves. There's so much knowledge out there for us to soak in, and there's so much for us to give."

- Kam Phillips

With the motto of mentor-mentee system, our Department of Architecture, CUET has started its journey in 2009 under the faculty of Architecture & Planning with a bunch of enthusiastic students and experienced faculty members. Our approach reflects the new paradigm through student oriented education which promotes the culture of 'life-long learning'.

We offer a five- year Bachelor of Architecture program which mix design based curriculum with academic rigor. Students are expected to master the technical subjects but are also expected to acquire a deep understanding of the theoretical, historical and cultural context of architecture. We believe that academic research is a central part of the architect's training and has an integral part to play in the design process: creating structures that are not just aesthetically pleasing and technically sound, but which also serve as agents of development and integration within communities. The wide range of terrain in Chittagong hill tract plays an important role in our learning methodology as we try to incorporate geographical behavior in the students' projects which make them aware of their surroundings. The aim of the program is the comprehensive theoretical and practical training of students, and the development of critical thinking and the acquisition of necessary skills and methodological tools for professional and academic progress and careers.

Our students leave with a deep awareness of the role played by the built environment in bringing about social, political, cultural and technological change, and our alumni have gone across the professional design, landscape of design and urban planning, as well as a wide range of other careers. We have an active architectural student and alumni society. Combined with a dedicated and motivated staff, there is within the department a strong sense of community and purpose.

Prof. Dr. Sajal Chowdhury
Head, Department of Architecture
CUET



First batch students visiting Peace Pagoda, Chittagong University as their study tour (2010)



Dr. Sajal Chowdhury

Head & Professor

PhD (Melbourne School of Design, The University of Melbourne, Australia); M.Arch.(BUET); M.Eng. (Hokkaido University, Japan); B.Arch. (BUET)

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Field of Interest: Resilient Architecture, Community-centric Design, Urban Placemaking

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Field of Interest: Adaptive Reuse, Heritage Urbanism, BIM

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Year of Establishment of Engineering College, Chittagong, 1968

Year of Establishment of BIT, Chittagong 1st July, 1986

Year of Establishment of CUET, 1st September, 2003

Year of Establishment of DEPT. OF ARCHITECTURE, 2009

University Location: 25 Km away from Chittagong City and on the northern side of the Chittagong – Kaptai Highway

Campus Area About 171 Acres

Faculties: 5

Departments: 15

Institute: 03

Research Centers: 03

Students: About 4500

Halls: 07, (Male-05, Female-02)

Faculty Members: 200

Officers: 120

Office Staffs: 275

Chittagong University of Engineering & Technology abbreviated as CUET, is one of the prominent and prestigious degree awarding institute in the engineering education in Bangladesh. The University was created out of the Engineering College, Chittagong, which was established in 1968.

This College, functioned as the Faculty of Engineering under university of Chittagong. Through a government ordinance in 1986, the college was converted into an institution (BIT, Bangladesh Institute of Technology Chittagong). Subsequently in 2003 BIT Chittagong was converted into a public university namely Chittagong University of Engineering and Technology. Three similar Institutes of Technology in the country named BIT Khulna, BIT Rajshahi and BIT Dhaka have been converted to Khulna University of Engineering Technology (KUET), Rajshahi University of Engineering Technology (RUET) & Dhaka University of Engineering Technology (DUET). The honorable President of Bangladesh is the Chancellor of CUET. A vice-chancellor appointed by the president is the academic and administrative chief of CUET.

CUET was established to advance, maintain and disseminate Knowledge. A knowledge based society is essential for progress of the country. For This reason CUET has set a two fold vision. Firstly, to produce graduates instilled with capacity for enquiry and critical thinking and trained to explore solutions to problems encountered at all levels. Secondly to be a premier academic and research institution internationally known for its excellence and its contributions to the field of knowledge.



Australian Architect Peter Stuchbury and Aga Khan award recipient Bangladeshi Architect Marina Tabassum in "Architecture for Green Living" Workshop held in 2014 at Department of Architecture, CUET



I GOALS

- To foster and promote a distinctive educational identity and spirit.
- To pursue excellence in research which will contribute to knowledge.
- To offer excellence in curricula and Teaching to a standard befitting an international academic institution.
- To attract students with desire for knowledge, to encourage and support them in their endeavor.
- To maintain the principle of academic freedom and to maintain institutional autonomy.
- To contribute to the betterment of society and be responsive to its needs.
- To provide high quality, responsive and cost effective support service for research, Learning and teaching.
- To encourage and support advancement of career of academic staff

CAMPUS LIFE

FOOD AND ACCOMMODATION

The university is residential in nature. Seven Halls of residence can accommodate nearly 1300 male and 200 female students and a new hall is under construction. All Residential halls have a cafeteria serving moderate Bangladeshi cuisine, a TV room and small library.

The Seven Halls are:

- (1) Dr. Qudrat-E-Khuda Hall
- (2) Shahid Mohammad Shah Hall
- (3) Shahid Tareq Huda Hall
- (4) Kazi Nazrul Islam Hall
- (5) Sufia kamal Hall
- (6) Abu Sayed Hall
- (7) Shamshen Nahar Khan Hall
- (8) Muktijuddha Hall

SPORTS & ENTERTAINMENT

The University Provides facilities for football, hockey, cricket, volley ball, basket ball, table tennis, tennis, badminton. Sports competitions are important features of campus life. Students organize debate, cultural shows, indoor games competition as well.

MEDICAL FACILITY

The University Medical Center is equipped for primary health care. Serious cases are referred either a to a local hospital some 10km away or to the city hospital.

TRANSPORTATION

The university runs its own regular bus service to and from the Chittagong city for benefit of students, faculty & staff. Additionally, there is a service for the general students every alternate day. Friday and Saturday are weekly holidays. Public transports (buses, tempos) operate between kaptai and the city, with CUET as a regular stoppage.



ABOUT

Department of Architecture established in 2009 under the faculty of Architecture and Planning has a marked a progression in the history of Architecture. It is committed to advance architectural education through different programs and researches. The department continuously endeavors to instill the students a firm intellectual and professional base. The course curricular is designed to bring out the best in students aspiring to enter the profession. The university library has a dedicated section for the department of Architecture, which is being developed to provide essential reading material for the undergraduate course.

VISION

The vision of the department of Architecture fits within the large mission of the university, which is to be engaged with the community, the region and beyond. This is also the aspiration of community leaders who supported in the establishment of the university. The university is willing to serve the world beyond its campus, producing graduates as active and productive citizens, sending graduates all over the world to become leaders for shaping tomorrow. The department's focus on the social realm responds to the role of the architect in serving the public through leadership in design; particularly social groups who have not in the past had access to the benefits of Architecture

MISSION

The department of Architecture aims to foster critical thinking and develop the capability to significantly improve the built environment through participation in the profession of Architecture.

To support this mission, the department aims to:

- properly educate undergraduate students to prepare them for creative engagement and professional fulfillment in the practice of Architecture and related fields;
- encourage the production of exemplary works of design, theory, ethical behavior, critical thinking , life –long learning and research in a studio-centered learning environment;
- increase the cultural, religious, ethnic and gender diversity among the students, faculties and within the curricular subject matter and encouraging collaboration and teamwork;
- provide an educational environment that encourages cross-fertilization of knowledge from both arts and sciences, where students and teachers are motivated to participate in the most urgent contemporary social, cultural and environmental issues;
- serve the regional area, the nation and the international community by increasing public awareness of Architecture and the built environment.

LAB FACILITIES

ENVIRONMENTAL LAB

The environmental lab will create new knowledge and assist in capacity building by improving our understanding on adaptation and mitigation through research and training. Awareness created and in-depth understanding gained will be imparted among students and other professionals regarding the primary factors responsible for climate change and its impact on various sectors.

COMPUTER LAB

In the modern era, computer-aided design tools are widely used in Architecture for their easy applications. It is helping architects to produce mass creation as well as flawless drawings considering the supplementary engineering deliberations at an identical time. Our computer laboratory provides a real opportunity for our students to familiarize themselves with this new dimension of architecture. Here they learn digital illustrations, editing, modeling, and presenting their projects on the digital platform. This laboratory acts as a platform where we try to explore our imagination and creation in the virtual world before the real setting construction.

HOUSING LAB

The lab is deeply interested in investigating challenges for future urban habitation and climate change. Seeing architecture as open-ended process, the lab aims for spatial and operational forms that are responsive to far-reaching demographic, technological, and societal transformations. In a regular interval the lab organizes knowledge sharing interactive sessions, seminars with both national and international researchers and professionals.

URBAN LAB

The Urban Design and Research (UDR) Lab is an urban-based research unit working with interdisciplinary environments, for instance, urban and landscape design and planning issues in and around urban and peri-urban context. The main aim of this UDR will strengthen the research culture of the department of architecture under faculty of architecture and planning, in relation to architecture, urban and landscape, develop a research-based urban design studio and research projects around particular themes and urban typology. The UDR's team will work closely with outside experts in architecture, landscape architecture, ecology, economics, environmental science, public health, urban/peri-urban design and planning.

FABRICATION LAB

The Fabrication Lab at Chittagong University of Engineering & Technology (CUET) is a dynamic, hands-on workspace designed to support innovative research, design, and prototyping in architecture, engineering, and interdisciplinary fields. Equipped with state-of-the-art tools such as laser cutters, 3D printers, CNC machines, and digital fabrication software, the lab empowers students and researchers to explore material experimentation, computational design, and model-making.

MATERIAL LAB

The Material Lab at Chittagong University of Engineering & Technology (CUET) is a dedicated space for exploring the physical properties and performance of construction materials. It supports hands-on testing, research, and analysis of materials such as concrete, brick, timber, metal, and earth.

MOVIE CLUB

This club was established by innovative student and teachers. It started its function by screening of educational and entertaining feature film in a three-day program at the central auditorium of CUET.



Graphic Art Studio Works

DEGREE OFFERED

The University offers undergraduate, graduate and Post-graduate (M.phil/PhD) degrees in 11(eleven) departments under 05 (five) faculties. These are follows:

	Degree offered
1. Faculty of Architecture and Planning I) Department of Architecture II) Department of Urban and Regional Planning III) Department of Humanities	B. Arch B. URP M. Phil
2. Faculty of Civil Engineering I) Department of Civil Engineering II) Department of Disaster Engineering and Management III) Department of Water Resources Engineering	B. Sc, M. Sc, Ph. D, M. Sc B. Sc
3. Faculty of Mechanical Engineering I) Department of Mechanical Engineering II) Department of Petroleum and Mining Engineering III) Department of Mechatronics and Industrial Engineering	B. Sc, M. Sc, Ph. D, B. Sc, B. Sc
4. Faculty of Electrical and Computer Engineering I) Department of Electrical and Electronics Engineering II) Department of Computer Science Engineering III) Department of Electronics and Telecommunication Engineering IV) Department of Biomedical Engineering	B. Sc, M. Sc, Ph. D, B. Sc, M. Sc B. Sc, B. Sc
5. Faculty of Engineering and Technology I) Department of Physics II) Department of Chemistry III) Department of Mathematics IV) Department of Materials Science and Engineering V) Department of Nuclear Engineering	M. Phil/ Ph. D M. Phil/ Ph. D M. Phil B. Sc B. Sc



Installation Project from the Level 1 Term II, Batch'19



Student presenting their final thesis project in level 5 Term II (January, 2020)



Undergrad thesis jury presented in front of renowned architects and academicians (January, 2020)

Table 1: Credit requirements for B. Arch degree.

Course No.	Course Title	Status
	Term	Credits requirement
1	I	18.5
	II	17.5
2	I	19.0
	II	18.0
3	I	21.0
	II	19.0
4	I	19.5
	II	17.5
5	I	20.5
	II	17.5
<i>Total:</i>		188

Program Learning Outcome

PLO 1- General architectural knowledge on building design, infrastructure design, landscape design, environmental design and management, urban design and development to contribute in design formulation, plan preparation and implementation.

PLO 2- Ability to apprehend the legal, institutional, socio-economic and histories contexts of architectural design from national, regional and global perspective.

PLO 3- Knowledge through field works and trained to apply scientific methodologies to understand architectural, urban, landscape design problems, issues and challenges.

PLO 4- Ability to apply advanced tools and techniques for qualitative and quantitative analysis.

PLO 5- Ability for data collection, data management, for forecasting, environmental and land use simulation engine, graphical and building modeling, architectural, landscape and urban project design and policy analysis.

PLO 6- Training on communication and presentation, graphic and computer skills, required to interact with different stakeholders for architectural, landscape and urban designing and further decision-making to execute or implementation.

PLO 7- Ability to perform individually as well as a team member with effective leadership, networking, organizing and managerial skills.

PLO 8- Training to uphold the legal and ethical standards of architectural profession.



UNDERGRADUATE COURSE DISTRIBUTION

Sessional	CORE COURSES	STREAMS	LEVEL-1		LEVEL-2	
			TERM I	TERM II	TERM I	TERM II
		DESIGN STUDIO	Arch 102 Design Studio-I 9/4.5	Arch 104 Design Studio-II 9/4.5	Arch 202 Design Studio-III 9/6	Arch 204 Design Studio-IV 9/6
		VISUAL COMMU- NICATION	Arch 112 Architectural Graphics-I 6/3	Arch 114 Architectural Graphics-II 6/3	Arch 212 Architectural Graphics-III 3/1.5	Arch 214 Digital Communication in Architecture-I 3/1.5
	OPTIONAL COURSES	DESIGN SUP- PORT STUDIO			Arch 222 Photography 3/1.5	Arch 226 Interior Design Studio 3/1.5
					Arch 224 Sculpture 3/1.5	Arch 228 Product Design Studio 3/1.5
	Contact Hours /Credit		15/7.5	15/7.5	15/9	15/9
Theory	Core Courses	ENVIRONMENT AND DESIGN	Phy 115 Physics For Architects 3	Arch 133 Environment and Design-I: Climate and Design 2	Arch 231 Envrionment and Design-II: Visual and Sonic Environment 2	
		ART AND ARCHI- TECTURE	Arch 141 Architecture of Ancient Civilization 2	Arch 143 Architecture of the Indian Subcontinent 2	Arch 241 Architecture of Bengal 2	Arch 243 Early Architecture of Western World 2
		THEORY OF DESIGN & PLAN- NING	Arch 151 Design Theory 2			
		BUIDLING SCI- ENCE	Arch 161 Building and Finish Material 2	Arch 163 Construction Methods and Details 2	CE 257 Building Services-I : Plumbing 2	ME 263 Building Services-II: Mechanical Equipment 2
		SOCIAL SCIENCE		Hum 151 Sociology 2		
		STRUCTURE	Math 151 Mathematics 2		CE 217 Structure-I Mechanics 2	CE 219 Structure-II: Mechanics of Solids 3
	OPTIONAL COURSES			Arch 153 Ergonomics	Hum 251 English 2	Hum 255 Human Psychology and Envi- ronment 2
				Arch 173 Art Appreciation 2	Hum 253 Economics 2	Hum 257 Logic and Philosophy 2
				Arch 183 Music Appreciation 2	Hum 259 Ecology 2	
	Credit			11	10	10
Total Contact Hours			26	25	25	25
Total Credit Hours			18.5	17.5	19	18

Sessional	CORE COURSES	STREAMS	LEVEL-3		LEVEL-4		
			TERM I	TERM II	TERM I	TERM II	
		DESIGN STUDIO	Arch 302 Design Studio-V 12/8	Arch 304 Design Studio-VI 12/8	Arch 402 Design Studio-VII 15/10	Arch 404 Design Studio-VIII 15/10	
		VISUAL COMMUNICATION	Arch 312 Working Drawing 6/3	Arch 314 Specification and Cost Estimate 3/1.5		Arch 414 Landscape Design Studio 3/1.5	
	OPTIONAL COURSES	DESIGN SUPPORT STUDIO		Arch 324 Digital Communication in Architecture-II 3/1.5	Arch 422 Environmental Simulation 3/1.5		
				CE 328 Construction Practice 3/1.5	Arch 424 Digital Communication in Architecture-III 3/1.5		
Contact Hours /Credit			18/11	18/11	18/11.5	18/11.5	
Theory	Core Courses	ENVIRONMENT AND DESIGN	Arch 331 Landscape Design 2				
		ART AND ARCHITECTURE	Arch 341 Architecture of Modern Period 2			Arch 443 Architecture of Contemporary World 2	
		THEORY OF DESIGN & PLANNING		Arch 353 Fundamentals of Urban Design 2	URP 411 Basic planning 2		
		BUILDING SCIENCE	EEE 373 Building Services-III: Electrical Equipment 2	Arch 373 Survey Technique and Analytical Methods			
		SOCIAL SCIENCE			Arch 451 Housing 2	Hum 453 Principle of Accounting 2	
		STRUCTURE	CE 325 Structure-III: Steel and Timber Structure 2	CE 327 Structure-IV: Reinforced Concrete Design-I 2	CE 427 Structure-V: Reinforced Concrete Design –II 2		
	OPTIONAL COURSES		Arch 371 Building Technology 2	Arch 383 Environment and Design- III: Design in the Tropics 2	Arch 471 Society, Culture and Architecture 2	Arch 441 Architectural Theory 2	
			Arch 391 Fire Safety Design 2	Arch 385 Educational Facilities Planning and Design 2	Arch 481 Theories and Practice of Urban Design 2	Arch 473 Architectural Conservation 2	
			Arch 393 Interior Design 2	CE357 Introduction to Environmental and Disaster Engineering 2	Arch 483 Health Facilities Planning and Design	Arch 491 Tourism and Architecture 2	
	Credit			10	8	8	6
	Total Contact Hours			25	25	28	24
	Total Credit Hours			21	19	19.5	17.5

Sessional	CORE COURSES	STREAMS	LEVEL-5	
			TERM I	TERM II
		DESIGN STUDIO	Arch 502 Design Studio-IX 15/12	Arch 504 Design Studio X 15/12
		VISUAL COMMUNICATION		Arch 514 Dissertation 3/1.5
	TRAINING	Arch 500 Professional Training 3		
	OPTIONAL COURSES	DESIGN SUPPORT STUDIO	Arch 522 Seminar 3/1.5	
			Hum 524 English Language Lab 3/1.5	
Contact Hours /Credit		18/16.5	18/13.5	
Theory	Core Courses	ENVIRONMENT AND DESIGN		
		ART AND ARCHITECTURE		
		THEORY OF DESIGN & PLANNING		Arch 553 Professional Practice 2
		BUIDLING SCIENCE		
		SOCIAL SCIENCE	Hum 551 Management for Architects 2	
		STRUCTURE		
	OPTIONAL COURSES		Arch 533 Sustainable Architecture 2	URP 511 Theory and Practice of Planning 2
			Arch 573 Urban Anthropology 2	URP 521 Rural Planning 2
			Arch 593 Commercial and Industrial Buildings Planning and Design 2	URP 543 Traffic and Transportation Planning 2
	Credit		4	4
Total Contact Hours		20.5	17.5	
Total Credit Hours		19.5	19.5	



Outdoor Studio Session

Level 01 Term I

Course No.	Course Title	Status	Contact Hour(s)	Credit
Arch 102	Design Studio-I	C	9.0	4.5
Arch 112	Architectural Graphics-I	C	6.0	3.0
			Total	7.5
Arch 141	Architecture of Ancient Civilization	C	2.0	2.0
Arch 151	Design Theory	C	2.0	2.0
Arch 161	Building and Finish Material	C	2.0	2.0
Math 151	Mathematics	C	2.0	2.0
Phy 115	Physics for Architects	C	3.0	3.0
	C* =Core, o*=Optional		Total	11

Sessional Core Courses

Arch 102

No of Credits: 4.50

Contact Hours: 9 Hrs/Week

Course Title: **Design Studio-I**

Understanding nature in terms of forms. Exercises in two-dimensional composition in various media. Basic compositions with points, straight and curved lines and pure geometric shapes. Study of order and balance, proportion, solid-void relationship, symmetry, movement, flexibility, harmony, and shade and shadow through composition.

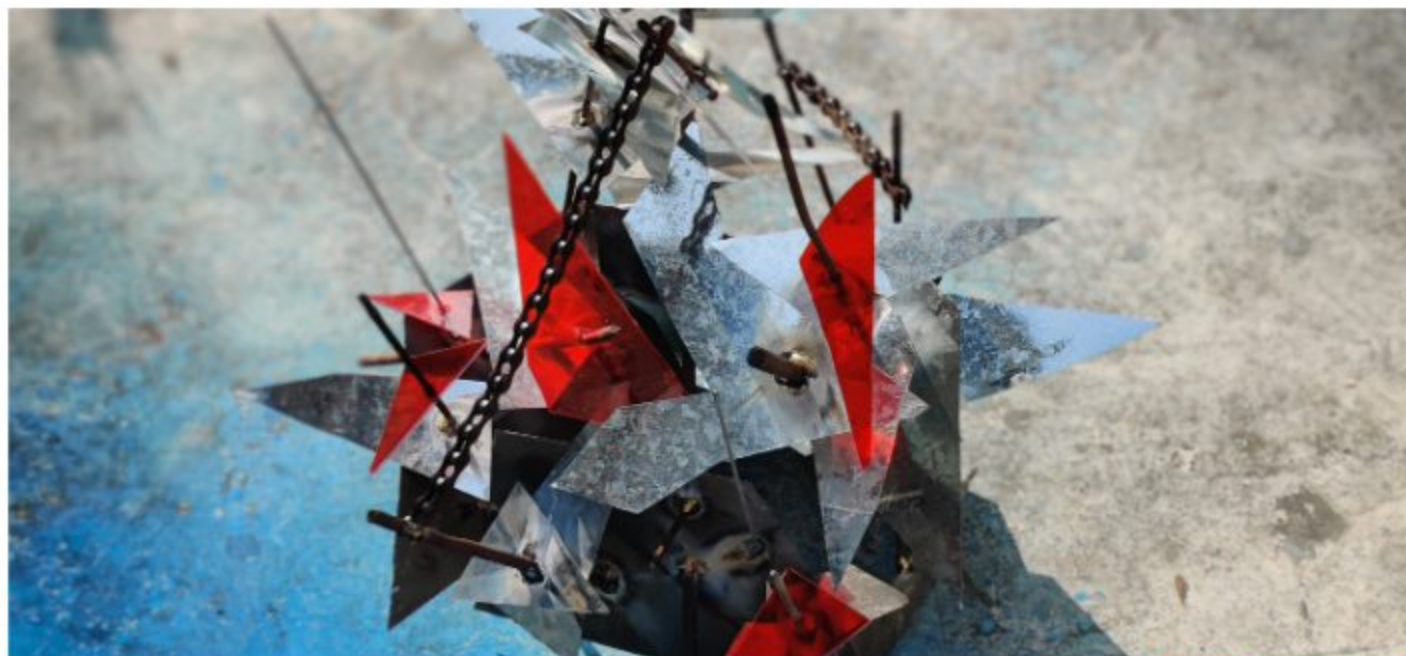
Arch 112

No of Credits: 3.00

Contact Hours: 6 Hrs/Week

Course Title: **Architectural Graphics-I**

Mechanical and freehand architectural presentation drawings. Lettering and graphic presentation symbols. Multiview drawings such as plan, section, and elevation. Single-view drawings such as axonometric, one, two- and three-point perspective.



Theory Core Courses

I Arch 141

No of Credits: 2.00
Contact Hours: 2 Hrs/Week
Course Title: **Architecture of Ancient Civilization**

Origin of Architecture in prehistoric times. History of architecture as a perceptual process of evolution through the ancient ages. Critical evaluation of ancient architecture from economic, social, political, cultural and religious viewpoints with reference to Egyptian, Mesopotamian (Sumerian and Assyrian), Persian, Meso-American, Aegean, Chinese, Japanese and Indian civilizations.

I Arch 151

No of Credits: 2.00
Contact Hours: 2 Hrs/Week
Course Title: **Design Theory**

Overview of basic theories and application of architectural form, space, scale, proportion, articulation, organization, and circulation. Theories explaining the complex cerebral activity involved in design process. Comparative study of traditional and contemporary design methods. Understanding design as an activity collectively addressing function and aesthetics, and purpose of aesthetics: The relationship of aesthetics with the architects; and the public. Introduction to the elements and principles of organizing elements of visual field in the realm of aesthetics.

I Arch 161

No of Credits: 2.00
Contact Hours: 2 Hrs/Week
Course Title: **Building and Finish Material**

Building materials: Cement, Sand, Concrete, Stone, brick, Timber, Bamboo, Steel etc., and understanding its preparation, manufacture, properties, uses and applications.

Finish materials: Glass, Plastic, Terrazzo, Plaster, Roofing, Paint, Insulation etc., and understanding its preparation, manufacture, properties, uses and applications.

I Math 151

No of Credits: 2.00
Contact Hours: 2 Hrs/Week
Course Title: **Mathematics**

Calculus: Definition of limit, continuity and differentiability, successive differentiation and Leibnitz's theorem, partial differentiation and Euler's theorem for homogeneous function, maxima and minima of functions of more than one variable. Indefinite integrals and definite integrals, area of plane curve in Cartesian co-ordinates.

Solid Geometry: System of co-ordinates, distance between two points. Section formulae. Direction ratio and direction cosines the plane, straight lines and Shortest distance the sphere.

I Phy 115

No of Credits: 3.00
Contact Hours: 3 Hrs/Week
Course Title: **Physics for Architects**

Sound: Simple harmonic motion, Differential equation of Simple harmonic oscillation, Energy of Simple harmonic oscillator, Damped oscillation and forced oscillation, Characteristics of mechanical waves, Equations of a travelling wave, Energy; Stationary waves, Physical qualities of sound, Reflection, Transmission and intensity of sound waves, Variations of sound intensity with distance, Doppler principle. Architectural acoustics, Reverberation and Sabine's formula, Requisites for good Acoustics.

Light: Theories of interference, Young's double slit experiment, Determination of thickness of a film. Diffraction; Diffraction due to a single slit. Polarization; Different methods of polarization, Intensity of polarized light.

Heat: Humidity, Vapor pressure, Temperature related humidity, Transmission of heat: Conduction: Conductivity, Rectilinear flow of heat, Determination of thermo-conductivity of good and bad conductors, Heat flow through compound walls. Convection: Free and forced convection, domestic and industrial applications; Ventilation.

Radiation: Different laws of radiation, Black body radiation, Radiation from surfaces, Solar radiation.

Level 01 Term II

Course No.	Course Title	Status	Contact Hour(s)	Credit
Arch 104	Design Studio-II	C	9	4.5
Arch 114	Architectural Graphics-II	C	6	3.0
			Total	7.0
Arch 133	Environment and Design-I: Climate and Design	C	2	2.0
Arch 143	Architecture of Indian Subcontinent	C	2	2.0
Arch 163	Construction Methods and Details	C	2	2.0
Hum 151	Sociology	C	2	2.0
Arch 153	Ergonomics	O	2	2.0
Arch 173	Art Appreciation	O	2	2.0
Arch 183	Music Appreciation	O	2	2.0
	C* =Core, o*=Optional		Total	14

Sessional Core Courses

Arch 104

No of Credits: 4.50

Contact Hours: 9 Hrs/Week

Course Title: Design Studio-II

Understanding nature in terms of forms. Exercises in three-dimensional composition in various media. Basic composition with color schemes; planes, cubes and other geometric forms. Study of order and balance, proportion, symmetry, asymmetry, movement, flexibility, harmony, shade and shadow through composition.

Arch 114

No of Credits: 3.00

Contact Hours: 6 Hrs/Week

Course Title: Architectural Graphics-II

Mechanical and free hand architectural rendering. Presentation drawings using various techniques in black & white and color. Complex perspective drawings exploring shade- shadow and reflection.

Theory Core Courses

Arch 133

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Environment and Design-I: Climate and Design

Study of external and internal climatic condition of built forms. Behavior and performance of built forms and its components as a climatic modifier to provide comfort and energy savings through climate and architectural design. Factors of climate, site climate, human comfort criteria and ranges. Thermal design criteria, principles of thermal design and natural ventilation and its application in architectural design.

The study of the changing meaning, intent, content, concept and context of Art across time. The general convention and bases of classifying art: western and non-western. Brief introduction to Art in the Ancient times, Middle ages, Renaissance, Modern and Contemporary period including Art History of Bangladesh.

Arch 143

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Architecture of Indian Subcontinent

Study of architecture in the Indian sub-continent with special emphasis on the styles of the Vedic, Buddhist, Hindu and Islamic periods extending up to the 17th century.



Theory Core Courses

Arch 163

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Construction Methods and Details

Understanding about different types of structures and their methods and techniques of construction. Foundations, Function and purpose of foundation, classification construction procedure, application of shallow and deep foundation, causes of failures of foundation and remedial measures. Brick Masonry, different types of brick bond and their construction procedure, supervision of brick work, typical structures in brick work. Damp proofing: Causes and effects of dampness. Methods of damp proofing: DPC treatment in buildings. Walls: load bearing walls- types & design consideration s: Cavity walls – general features & construction of cavity walls. Partition walls- brick, concrete glass, metal lath and timber partition walls- their use and construction techniques.

Roofs, classification and construction technique of roofs, stairs, types of stairs, stairs of different materials, requirement of good stair, technical terms. Doors and windows, classification of doors and windows, fixtures and fastening for doors and windows, Technical terms provision of joints in structure, construction technique of expansion joints isolation joints, isolation joints, sliding joints, contraction joints, and construction joints. Details of kitchen, bathroom, elevators and escalators.

Hum 151

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Sociology

Scope, Some Basic Concepts, Social evolution and techniques of production, culture and civilization. Social structure of Bangladesh, Population and world resources. Oriental and occidental societies. Industrial revolution, Family, Urbanization and Industrialization. Urban Ecology. Cooperative and Socialist movements. Rural sociology.

Theory Optional Courses

Arch 153

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Ergonomics

Introduction, historical overview, classifications and scopes. Human physiology, posture biomechanics and psychology. Anthropometry; principals, process and application in design. Human relationship with activity, space and form. Human performance under environmental factors.

Design for performance, comfort, health, safety and aesthetics. Cognitive ergonomics; principles and process of information design. Ergonomic design principles for different types of activity, space, building and interface elements.

Arch 173

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Art Appreciation

The study of the changing meaning, intent, content, concept and context of Art across time. The general convention and bases of classifying art, meaning of art, art as experience and expression, the language of visual art, typology of visual art, analysis of the work of art. Concept, perception and development of art in different context, characteristics of eastern and western art. Brief introduction to Art in the Ancient times, Middle ages, Renaissance, Modern and Contemporary period including Art History of Bangladesh.

Arch 183

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Music Appreciation

Musical forms. Ingredients of music- sound and time. Indian and western music- melody and harmony. Foundation of sub continental music- raga system: Dhrupad, Kheyal, Tappa and Thumri. Styles and presentation of vocal and instrumental music. The modern period of Bengali music- the five great composers: Rabindranath, Nazrul, Atul Prashad, D. L. Roy and Rajani Kanta. Introduction to western classical music and works of some European masters- Bach, Beethoven, Handel, Mozart, Tchaikovsky.

Level 02 Term I

Course No.	Course Title	Status	Contact Hour(s)	Credit
Arch 202	Design Studio-III	C	9	6.0
Arch 212	Architectural Graphics-III	C	3	1.5
Arch 222	Photography	O	3	1.5
Arch 224	Sculpture	O	3	1.5
			Total	9
Arch 231	Environment and Design-II: Visual and Sonic Environment	C	2	2.0
Arch 241	Architecture of Bengal	C	2	2.0
CE 217	Structure-I: Mechanics	C	2	2.0
CE 257	Building Services-I: Plumbing	C	2	2.0
Hum 251	English	O	2	2.0
Hum 253	Economics	O	2	2.0
Hum 259	Ecology	O	2	2.0
C* =Core, o*=Optional			Total	10

Sessional Core Courses

- Arch 202**
 No of Credits: 6.00
 Contact Hours: 9 Hrs/Week
 Course Title: Design Studio-III
 Development of awareness and perception of fundamentals of architecture: scale, proportion and space, the emphasis is on understanding man-space relationship, activity-space relationship and form-space relationship.
- Arch 212**
 No of Credits: 1.50
 Contact Hours: 3 Hrs/Week
 Course Title: Architectural Graphics-III
 Understanding of the technique and tools of freehand drawing. Studying varying environments and context; perceive them by drawing in different medias such as pencil, charcoal, pen and ink, brush and ink, pastel. Selection of presentation instruments, surfaces, typography, signage, graphic reproduction technique and the pros and cons of different systems to achieve the most effective outcome. Exercising through poster design, advertisement design, portfolio, product display, book cover. etc.

Sessional Optional Courses

- Arch 222**
 No of Credits: 1.50
 Contact Hours: 3 Hrs/Week
 Course Title: Photography
 Development of awareness and perception of fundamentals of architecture: scale, proportion and space, the emphasis is on understanding man-space relationship, activity-space relationship and form-space relationship.
- Arch 224**
 No of Credits: 1.50
 Contact Hours: 3 Hrs/Week
 Course Title: Sculpture
 Understanding of the technique and tools of freehand drawing. Studying varying environments and context; perceive them by drawing in different medias such as pencil, charcoal, pen and ink, brush and ink, pastel. Selection of presentation instruments, surfaces, typography, signage, graphic reproduction technique and the pros and cons of different systems to achieve the most effective outcome. Exercising through poster design, advertisement design, portfolio, product display, book cover. etc.



Theory Core Courses

Arch 231

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Environment and Design-II:
Visual and Sonic Environment

Visual: The environment, physical nature of the lighting environment, human responses to environmental vision factors. Daylight in architecture, prediction tools and techniques of supplementary and artificial lighting, designing for daylight in the tropics. Sonic: The concepts and problems related to architectural acoustics; properties of sound; the fundamentals of sound perception, generation and propagation; behavior of sound in enclosed spaces. Principles of acoustic design of rooms for speech, music and multi-purpose use. The concept of noise and noise control; criteria for noise control design and acoustical measurements.

Arch 241

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Architecture of Bengal

Study of society, culture and architecture of Bengal through the ages: Mauryan, Pala, Sena, Sultanate, Mughal and colonial Periods. Typology of colonial buildings. Language custom, art and literature, and their relevance to architecture and planning.

CE 217

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Structure-I: Mechanics

Force; Equilibrium; Free body diagram; Resultants and components; Co-planner, co-current forces; Moments and parallel co-planner forces; Calculation of bar forces in simple trusses; frictions; Flexible chords; moment of inertia of areas centroid.

CE 257

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Building Services-I: Plumbing

Introduction to plumbing, water requirements, water sources; Water supply and distribution in building. Sewage and sewer system, building plumbing of multi-storied buildings; Rural sanitation programmes in Bangladesh.

Theory Optional Courses

Hum 251

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: English

English phonetics: the places and manners of articulation of the English sounds. Vocabulary. English grammar: construction of sentences; some grammatical problems. Comprehension. Composition on current affairs. Precise writing. Report writing. Commercial correspondence and tender documents. Short stories by classic writers.

Hum 253

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Economics

Definition of economics. Economics and engineering. Principles of Economics: Micro economics: The theory of demand and supply and their elasticity. Price determination. Nature of an economic theory, applicability of economic theories to the problems of developing countries. Indifference curve technique, Marginal analysis. Optimization. Market, production, production function, types of productivity, Rational region of production of an engineering firm. The short run and the long run. Fixed cost and variable cost. Internal and external economics and diseconomies. Macro economics: Savings, investment. National income analysis. Inflation. Monetary policy, fiscal policy and trade policy with reference to Bangladesh. Planning in Bangladesh

Hum 259

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Ecology

Introduction to basic principles of ecology and sustainable development. Human population history and growth, social mechanisms of population regulation, quality of life. Ecosystems and social systems as complex adaptive systems, co-adaptation, and comparison of natural, agricultural and urban ecosystems. Material cycling and energy flow. Unsustainable human – ecosystem interaction, New technologies and free market economy. Urbanization and alienation from nature. Sustainable human - ecosystem interaction.

Level 02 Term II

Course No.	Course Title	Status	Contact Hour(s)	Credit
Arch 204	Design Studio-IV	C	9	6.0
Arch 214	Digital Communication in Architecture - I	C	3	1.5
Arch 226	Interior Design Studio	O	3	1.5
Arch 228	Product Design Studio	O	3	1.5
			Total	9
Arch 243	Early Architecture of Western World	C	2	2.0
CE 219	Structure-II: Mechanics of Solids	C	3	3.0
ME 263	Building Services-II: Mechanical Equipment	C	2	2.0
Hum 255	Human Psychology and Environment	O	2	2.0
Hum 257	Logic and Philosophy	O	2	2.0
C* =Core, o*=Optional			Total	14

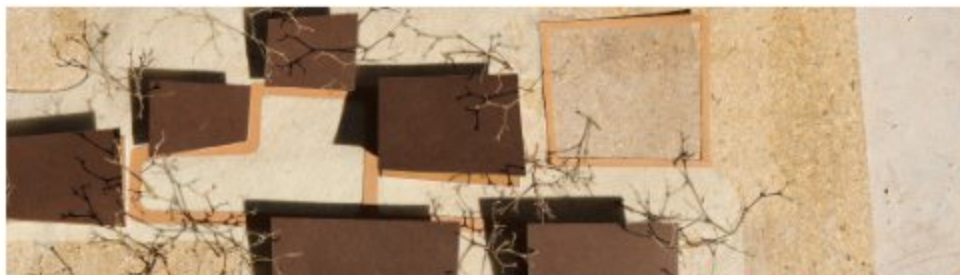
Sessional Core Courses

- Arch 204**
No of Credits: 6.00
Contact Hours: 9 Hrs/Week
Course Title: Design Studio- IV
Understanding function, form and structure. Principles of environmental performance of building, site and surrounding Analysis of site, circulation pattern and built form. Report writing based on literature survey and field studies. Design of buildings with simple functions.

- Arch 214**
No of Credits: 1.50
Contact Hours: 3 Hrs/Week
Course Title: Digital Communication in Architecture – I
Introduction to regular office work software (Microsoft office) and basic digital art. Exercise of widely used graphics software to express architectural drawing with ideas and imaginations (Photoshop/ Corel Draw/ Illustrator etc.). Experiencing dimension related computer-generated drawings (AutoCAD/ Revit/ BIM etc.).

Sessional Optional Courses

- Arch 226**
No of Credits: 1.50
Contact Hours: 3 Hrs/Week
Course Title: Interior Design Studio
Preparation of interior design drawings for different types of spaces such as office, studio, bank, restaurant, club and shop. Detailed specifications of finish materials for floor, ceiling and wall. Natural and artificial lighting and ventilation. Fixed and movable furniture, decorative element, upholstery, drapery, art work, interior plantation, fountain.
- Arch 228**
No of Credits: 1.50
Contact Hours: 3 Hrs/Week
Course Title: Product Design Studio
Understanding the designer's role as a mediator between the manufacturer and consumer. Extending beyond mere pragmatic solutions by a proper understanding of visual properties of materials, manufacturing mechanisms, technical support-together with cultural and contextual implications.





Theory Core Courses

I Arch 243

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Early Architecture of Western World

A critical evaluation of architecture of Europe studying its root in Etruscan, Greek and Roman period continuing through the ages of Early Christian, Byzantine, Romanesque and Gothic period and revival of classical thoughts in Renaissance periods. Climatic, geographic, social, technical, religious influences on architecture and a comparative study of different architectural styles of various regions of Europe in these periods.

I CE 219

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Structure-II: Mechanics of Solids

Fundamental concepts of stress & strain; Mechanical properties of materials; stresses and strain in members subjected to tension, compression, shear and temperature changes; Shear force and bending moment diagrams for statically determinate beams and frames. Flexural and shearing stresses in beams; Double integration and area moment method for calculating slopes and deflections in statically determinate beams.

I ME 263

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Building Services-II: Mechanical Equipment

Review of basic concepts and definitions. Introduction to basic modes of heat transfer. Application of air-conditioning. Psychrometry. Cooling load calculation, air-conditioning systems, air handling and distribution, design of ducts. Air-conditioning equipment's. Fire hazards, firefighting methods. Vertical transportation: types of elevators, determination of size and quantity of elevators, incoming and outgoing traffic handling. Escalators and moving ramps. Introduction to basic modes of heat transfer.

Theory Optional Courses

I Hum 255

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Human Psychology and Environment

Introduction to Psychology: Definition, goals; different sub-fields and major perspectives of psychology. Sensation and Perception: Definitions of sensation, perception, stimulus, and thresholds; Weber's Law; Perceptual organization; Color, depth and motion perception; Perceptual illusions. Motivation, Frustration, and Emotion: Definitions and their approaches, sources, functions, and theories. Learning, Memory, and Forgetting: Definition and theories, Effective study strategy; model of memory; Causes of forgetting; How to improve memory. Intelligence and Personality: Definition measurement (IQ Tests), and types of intelligence; Definition and theories of personality; Personality tests. Introduction to Environmental Psychology: Definition and characteristics of environmental psychology; Man, environment, and behavior relationship; Concern for ecological balance and global change in environment; Behavioral solutions to environmental problems. New technologies and free market economy. Urbanization and alienation from nature. Sustainable human - ecosystem interaction

I Hum 257

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Logic and Philosophy

Introduction to Deductive Logic: Definition and scope of deductive logic; terms and predicable; proposition and opposition of propositions; inference and syllogism. Introduction to inductive Logic: Definition and scope of inductive logic; nature, characteristics and bases of scientific induction; methods of scientific induction; nature of hypothesis; inference and analogy. Introduction to Philosophy: Nature and scope of philosophy; relation of philosophy to other sciences, methods of philosophical inquiries, epistemology, metaphysics. Ideas of great philosophers.

Level 03 Term I

Course No.	Course Title	Status	Contact Hour(s)	Credit
Arch 302	Design Studio-V	C	12	8.0
Arch 312	Working Drawing	C	6	3.0
			Total	11
Arch 331	Landscape Design	C	2	2.0
Arch 341	Architecture of Modern Period	C	2	2.0
CE 325	Structure-III: Steel and Timber Structure	C	2	2.0
EEE 373	Building Services III: Electrical Equipment	C	2	2.0
Arch 371	Building Technology	O	2	2.0
Arch 391	Fire Safety Design	O	2	2.0
Arch 393	Interior Design	O	2	2.0
	C* =Core, o*=Optional		Total	10

Sessional Core Courses

Arch 302

No of Credits: 8.00

Contact Hours: 12 Hrs/Week

Course Title: Design Studio-V

Design exercises on buildings with simple functional and technical requirements, emphasizing imaginative concepts for expressing form and functional relationship, spatial quality, indoor- outdoor relationship and structural systems.

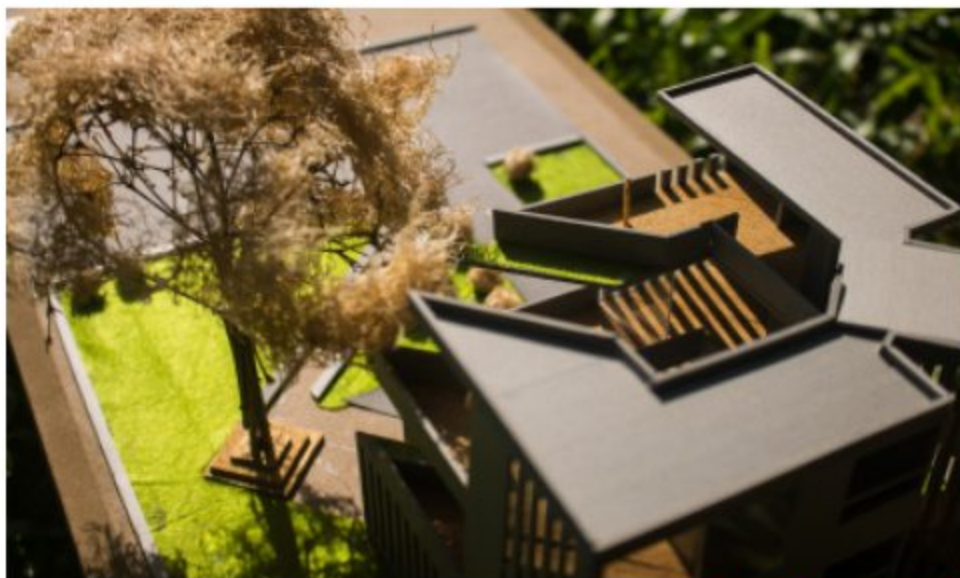
Arch 312

No of Credits: 3.00

Contact Hours: 6 Hrs/Week

Course Title: Working Drawing

Design and Drawings specifying materials and instructions for construction. Understanding construction process and techniques. Understanding manufacturing process to generate creative design. The working drawing will include preparation of working and detail drawing of all building components. Details of drainage, damp proofing and insulation. Bathroom and kitchen layouts. Designing with variety of materials and manufacturing process of a range of building components like door, window, lift, escalator, fittings and fixtures of functional and decorative structure etc.



Theory Core Courses

- I Arch 331**
No of Credits: 2.00
Contact Hours: 2 Hrs/Week
Course Title: Landscape Design
- Introduction to principles and elements of landscape design. Its relationship with architecture, urban design and regional planning. Worldwide historical references, rules regulation and practice. Vernacular and contemporary landscape architecture. Organization of various outdoor spaces. Environment and design. Site analysis and development for landscape design. Location and sequence of outdoor activity. Circulation and linkages. Plant selection, planting and gardening. Utility, services and maintenance.
- I Arch 341**
No of Credits: 2.00
Contact Hours: 2 Hrs/Week
Course Title: Architecture of Modern Period
- Understanding modernism, modernity, modernization as different facets of major socio-political and technical shift in the post renaissance Europe. Tracing the proliferation of architectural theories and practice in Neo-Classical French tradition, in the works of Perrault, Laugier, Viollet-le-Duc, Boullée, Ledoux and Labroust. Development of steel and glass architecture in France and England. Introduction to Art nouveau. Significance of Chicago school and Bauhaus. Introduction to the works of modern masters such as Le Corbusier, Frank Lloyd Wright, Mies Van Der Rohe and Alvar Alto.
- I CE 325**
No of Credits: 2.00
Contact Hours: 2 Hrs/Week
Course Title: Structure-III: Steel and Timber Structure
- Steel structures; Introduction; allowable stresses; different types of trusses; wind and static load analysis of trusses; Design of truss sections; Design of steel beams, columns; Timber structures.
- I EEE 373**
No of Credits: 2.00
Contact Hours: 2 Hrs/Week
Course Title: Building Services III: Electrical Equipment
- Introduction to Electricity: Basic principles of Electricity, Units and standards, Branch circuits, circuits theorem for DC and AC
Electrical Wiring Design: Safety rules for electrical wiring, electricity distribution in buildings, service wires, meter boards, switch boards, introduction to electrical wiring diagram and conduit layout (just elaboration)
Illumination: Lighting fundamentals, Light sources, lighting design process, electric lighting design and applications.
Signal Equipment: Security systems like CCTV, burglar alarm, smoke detector, fire alarm and sprinkler system.
Communication System: Television cables/intercom. Wi-Fi, WLAN.

Theory Optional Courses

- I Arch 371**
No of Credits: 2.00
Contact Hours: 2 Hrs/Week
Course Title: Building Technology
- Definitions, types, preparation, manufacture, properties, uses, and applications of stone, metal, reconstructed wood, plastic and rubber. Modular co-ordination. Prefabrication Techniques of building components. Construction techniques of special forms: dome, vault, shell, space frame and metal structure. Techniques of construction with indigenous materials.
- I Arch 391**
No of Credits: 2.00
Contact Hours: 2 Hrs/Week
Course Title: Fire Safety Design
- Fire in history, Advancement of fire-fighting, Fire-related legislation and code, Fire pattern, Capacity and occupant load, Fire load, Fire resistance criteria, Compartmentation, Service core, Fireman's lift and Fire-fighting lift, Pressurization system, Means of Escape, Assembly point, Refuge cell, Fire classification, Fire extinguishing agents and tools, Fire-fighting equipment, Alarm system, Sprinkler system, Emergency lighting, Fire Services and Civil Defence, Mega fires.
- I Arch 393**
No of Credits: 2.00
Contact Hours: 2 Hrs/Week
Course Title: Interior Design
- Principles of interior design. Design of various interior spaces in relation to occupancy and environmental factors. Functional separation of spaces and interior furniture. Color schemes. Artificial lighting and mechanized ventilation. Use of non-Structural materials such as false ceiling. Wall paneling and floor finishes. Interior plantation.

Level 03 Term II

Course No.	Course Title	Status	Contact Hour(s)	Credit
Arch 304	Design Studio-VI	C	12.0	8.0
Arch 314	Specification and Cost Estimate	C	3.0	1.50
Arch 324	Digital Communication in Architecture-II	O	3.0	1.50
CE 328	Construction Practice	O	3.0	1.50
			Total	11
Arch 353	Fundamentals of Urban Design	C	2.0	2.0
Arch 373	Survey Technique and Analytical Methods	C	2.0	2.0
CE 327	Structure-IV: Reinforced Concrete Design-I	C	2.0	2.0
Arch 383	Environment and Design-III: Design in the Tropics	O	2.0	2.0
Arch 395	Educational Facilities Planning and Design	O	2.0	2.0
CE 357	Introduction to Environmental and Disaster Engineering	O	2.0	2.0
C* =Core, o*=Optional			Total	8

Sessional Core Courses

- Arch 304**
No of Credits: 8.00
Contact Hours: 12 Hrs/Week
Course Title: Design Studio-VI
Understanding function, form and structure. Principles of environmental performance of building, site and surrounding Analysis of site, circulation pattern and built form. Report writing based on literature survey and field studies. Design of buildings with simple functions.

- Arch 314**
No of Credits: 1.50
Contact Hours: 3 Hrs/Week
Course Title: Specification and Cost Estimate
Drawing and Specifications relationship. Specification Language, Sections, Paragraphs. Specification of Material – scope, method, method of construction/application, precaution. Market Survey, Cost Analysis, Preparation of Schedule and BOQ. Rules, Regulations, Obligations and Preparation of Tender Document.

Sessional Optional Courses

- Arch 324**
No of Credits: 1.50
Contact Hours: 3 Hrs/Week
Course Title: Digital Communication in Architecture-II
Introduction to basic 3D drawings and modeling. Exercise of modeling of complex shapes, forms and geometry, learn about lighting, material, mapping, basic rendering and visualization (BIM/ Sketch up/ 3D max/ Rhino etc.). Experiencing basic video editing and 3D animation (Adobe premiere, After effect, Lumion, Cinema 4D, Blender, etc.).
- CE 328**
No of Credits: 1.50
Contact Hours: 3 Hrs/Week
Course Title: Construction Practice
Practical recognition of different building materials; simple tests for buildings materials and ingredients; site visits to acquaint with construction techniques and site supervision. Submission of a model showing details of structural system using carpentry/metal works/RCC works/Brick Masonry/composite works, introduction to multistoried building structural elements.

Theory Core Courses

Arch 353

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Fundamentals of Urban Design

Background & context: Development of urban spaces through history (Origin of Urban Space and Heritage of Urban Design in Ancient, Medieval and Renaissance period). Modern concepts in urban Design; Urban renewal, redevelopment, conservation etc. Development control.

Concepts & methods, principles and techniques of Urban design. Elements of Urban Design: Urban Space, Urban Mass, Urban Activities and Circulation. Principles of Urban Design. Best practice cases of Livable Urban area/cities. Analysis of Urban physical pattern, Framework for development, Development context, Institutional framework, Financial context; contemporary concept & trends. Urban aesthetics.

Arch 373

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Survey Technique and Analytical Methods

Introduction to research in design, purpose and goal. Discussion on design methodology, design evaluation, problem identification & selection, research, design, its types & approach. Variables and universal, selection of methods. Design of questionnaire, pretest, pilot survey. Data collection and sampling, processing, analyzing & forecasting, data presentation. Selection of a research topic related to architectural design issues/problems.

Introduction; principles and techniques of physical and socio-economic survey, Brief description of engineering survey methods (e.g., chain survey, traverse survey, plane table survey, levels and leveling, contours and layout surveys).

CE 327

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Structure-IV: Reinforced Concrete Design-I

Fundamental of reinforced concrete design, stress design, ultimate (USD) method analysis of reinforced concrete beams by USD design of one way and two ways by USD method. Preliminary analysis of flat slabs, flat plate, waffle slabs, ribbed slabs, shear and diagonal tension in beams; Design of a square footing.

Theory Optional Courses

Arch 383

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Environment and Design - III: Design in the Tropics

Study of the relationships between architecture and the climatic characteristics of tropical regions. Investigation of the problem and understanding the mechanism of air and moisture movement, surface condensation, rain penetration. Means of wetness control and passive cooling in buildings. Comparison of alternative solutions and understanding the secondary implications of environmental control decisions.

Arch 395

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Educational Facilities Planning and Design

Historical development of educational facilities. Elements of education and classification of educational institutions. Socio-economical, cultural and environmental aspects influencing educational facilities design. Components of institutions: grouping and organization of spaces. Design criteria: forms, modifiers and standards. Furniture design. Case studies.

CE 357

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Introduction to Environmental and Disaster Engineering

Waste water & ETP, Environmental assessment; Water sources and quality, water pollution & its consequences, solid waste management, environmental management, sustainable development, industrial pollution. Introduction to Earthquake, wind/cyclone, flood engineering, land slide & its mitigation, disaster management & challenges.

Level 04 Term I

Course No.	Course Title	Status	Contact Hour(s)	Credit
Arch 402	Design Studio-VII	C	15	10.0
Arch 422	Environmental Simulation	O	3	1.50
Arch 424	Digital Communication in Architecture-III	O	3	1.50
			Total	11.5
Arch 451	Housing	C	2	2.0
CE 427	Structure-V: Reinforced Concrete Design-II	C	2	2.0
URP 411	Basic Planning	C	2	2.0
Arch 471	Society, Culture and Architecture	O	2	2.0
Arch 481	Theories and Practice of Urban Design	O	2	2.0
Arch 483	Health Facilities Planning and Design	O	2	2.0
C* =Core, o*=Optional			Total	8

Sessional Core Courses

Arch 402

No of Credits: 10.00

Contact Hours: 15 Hrs/Week

Course Title: Design Studio-VII

Understanding of projects in urban and regional context. Urban design and master planning. Design of building complexes with reference to socio-cultural aspects associated with the use and user.

Sessional Optional Courses

Arch 422

No of Credits: 1.50

Contact Hours: 3 Hrs/Week

Course Title: Environmental Simulation

Introduction to the computer-based tools and techniques to assess and critically evaluate a design regarding its climatic environmental factors. The focus of this exercise is to analyze the thermal, visual and acoustical performances of a built form, site planning analysis, evaluation of energy efficiency etc.

Arch 424

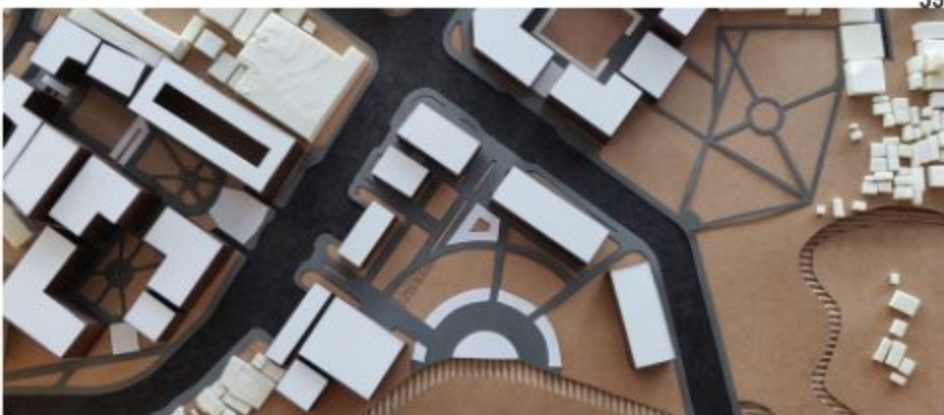
No of Credits: 1.50

Contact Hours: 3 Hrs/Week

Course Title: Digital Communication in Architecture-III

Introduction, concepts and functionality of spatial analysis. Introduce spatial analysis tools and simulation softwares (e.g., ArchGIS, ArchGIS Urban, QGIS, CityEngine, Envi, Envi-Met, Space Syntax, Urban Footprint, etc.). Exercise of spatial modeling through individual or group projects for Urban Design and Landscape Design, (e.g., Land Use/Land Cover change analysis, Environmental Impact analysis, and Vegetation/Forestry mapping from outside free sources/RS/GIS data).





Theory Core Courses

Arch 451

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Housing

A Generalized course on housing. Provides an overview on housing development and existing situation in the country. Introduces major policies, reforms legislation and movements. Compare traditional and contemporary housing. Examines mass housing problems with emphasis on housing for low- and middle income groups. Outline the problems of housing in our local context with reference to others in the developing world. Housing development by Real estate sector.

CE 427

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Structure-V: Reinforced Concrete Design-II

Reinforced concrete columns, stocky and long. Preliminary analysis of column section in multistoried buildings; Grids, approximate analysis. Approximate analysis of multistoried building for gravity and lateral loads. Introduction to shear-walls- preliminary design, introduction and preliminary design of arches, domes and shells. Folded plates. Vierendeel truss.

URP 411

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Basic Planning

Origin and evolution of settlements and cities. City planning during ancient, classical medieval, neo-classical and modern periods. Industrial revolution and changes in the character of cities. New thoughts and ideas in planning after the industrial revolution. The spatial structure of cities: concentric zone theory, sector theory, multiple nuclei theory, Christaller theory of size, spacing and distribution of central places. Rank-size rule.

Theory Optional Courses

Arch 471

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Society, Culture and Architecture

The cultural history of human development in different regions of the world as depicted in architecture. Vernacular architecture and social interaction in local and regional perspective. The evolution of 'society - power structure - architecture'. The influence of the various art, and cultural movements in the different context.

Arch 481

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Theories and Practice of Urban Design

Problems and goals of modern urban design. Understanding urban space: scale, contexts, meaning, and perceptions; activities in outdoor space; urban outdoor spaces in South Asia. Theories and practice of designing urban space: urban realities and critique; empiricism and rationalism in urban design. Urban design and the development process.

Arch 483

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Health Facilities Planning and Design

Approaches to health facilities planning and design. Philosophy, policies and processes within comparative and historical perspective. Fundamentals of programming, planning and design of health care facilities.

Level 04 Term II

Course No.	Course Title	Status	Contact Hour(s)	Credit
Arch 404	Design Studio-VIII	C	15	10.0
Arch 414	Landscape Design Studio	C	3	1.50
			Total	11.5
Arch 443	Architecture of Contemporary World	C	2	2.0
Hum 453	Principle of Accounting	C	2	2.0
Arch 441	Architectural Theory	O	2	2.0
Arch 473	Architectural Conservation	O	2	2.0
Arch 491	Tourism and Architecture	O	2	2.0
			Total	8

C* =Core, o*=Optional

Sessional Core Courses

Arch 404

No of Credits: 10.00

Contact Hours: 15 Hrs/Week

Course Title: Design Studio-VIII

Projects focusing on urban renewal-regeneration, conservation, redevelopment and rehabilitation of city blocks. Investigation, analysis and design of housing/ communities with specific themes and their impact on the immediate environment. Architecture of spiritual and emotional content.

Arch 414

No of Credits: 1.50

Contact Hours: 3 Hrs/Week

Course Title: Landscape Design Studio

Study and analysis of landscape elements emphasizing on local plant materials: Application of the principles and techniques of landscape design through design exercises of site planning and area development of different scale. Study of the environmental relationship highlighting Eco-system to attain sustainable landscape development.





Theory Core Courses

Arch 443

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Architecture of Contemporary World

Post Modern historicist architecture of Ventury, Graves and others in response to crisis of alienation in modern architecture. Late Modern technological exploration of "Hi-Tech" by Foster, Rogers, Piano and others. Influence of Poststructuralist ideas in the avant-garde works of Eisenmann, Gehry, Hadid, Libeskind and others. Rise of self-conscious modernism in Indian subcontinent through the works of Mazharul Islam, Doshi and Correa. Redefining contextually in the regionalism of Fathy, Bawa and Baragan. Unique south Asian sensibility in the works of Tange, Ando, Kerry Hill and Ken Yeang. Ecological consciousness and issues of sustainability in the works of Glenn Murcutt. Taking architecture to the poor; enhanced participation and hope in the architecture of Grameen Bank.

Hum 453

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Principle of Accounting

Introduction: Definitions of bookkeeping, Costing and accounting, objectives and advantages of bookkeeping, principles of double entry systems of bookkeeping, Accounting concepts and conventions, Transaction, Definition of business transaction, Nature of business transactions. Accounting Cycle: Journal, Ledger, Trial Balance & Financial statement.

Depreciation: Definition, objectives and types of depreciation, Methods of providing depreciation, classifying revenue and expenditure.

Cost Accounting: Definition, Objectives and advantages of cost accounting, Elements of cost, Statement of cost.

Store ledger: Store ledger & Bin card, Level of stock, EOQ, Different methods of pricing of materials. Overhead allocation: Definition, Classification of overhead, Methods of overhead allocation.

Managerial costing: C-V-P analysis, Computation of break-even-point, Construction costing, Budget & budgetary control.

Theory Optional Courses

Arch 441

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Architectural Theory

Vitruvius and architectural theory in European Antiquity. Ancient architectural theories in different cultures such as Vastu Shastra, Feng Shui etc. Continuity of Vitruvian tradition in the middle ages and in the Renaissance. New wave of radical architectural theories from French tradition. Theories of modern architecture by Le Corbusier, Adolf Loos, Sigfried Giedion, Walter Gropius and others. Post Modern Historicist, regionalist, utopian and avant gard theories of late twentieth century by Ventury, Norberg-Schulz, Frampton, Rossi, Tchumi, Koolhaas and others.

Arch 473

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Architectural Conservation

Conservation, its meaning, nature, scope and principles, Preservation, restoration, reconstruction, adaptation, area conservation. History of conservation. Conservation laws and practices. Issues of conservation, legislation, finance, regulating bodies, the role of government and public. Conservation of areas and buildings, Planning controls. Case studies.

Arch 491

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Tourism and Architecture

Understanding the overview and history of tourism, its definition, purpose and basic form of tourism. Sustainable tourism practice: eco-tourism, low carbon tourism, responsible tourism, local experience-based tourism, cultural tourism, community-based tourism, agro-tourism, creative tourism, etc. Hospitality and Tourism. Tourism Economy, Culture & Society, and Environment.

The role of Architecture in tourism development and practice. Relationship between architecture and sustainable tourism. Basic principles of hotel/resort/cottage design and management. Tourism product development (global and local perspective). Tourism law in global context: UNESCO World heritage site, Ramsar site, Ecological Conservation Area, MAN, etc. Tourism development and practice in Bangladesh.

Level 05 Term I

Course No.	Course Title	Status	Contact Hour(s)	Credit
Arch 502	Design Studio-IX	C	15	12.0
Arch 500	Professional Training	C	3	3.0
Arch 522	Seminar	O	3	1.50
			Total	8
Hum 524	English Language Lab	O	3	1.50
Hum 551	Management for Architects	C	2	2.0
Arch 533	Sustainable Architecture	O	2	2.0
Arch 573	Urban Anthropology	O	2	2.0
Arch 593	Commercial and Industrial Buildings Planning and Design	O	2	2.0
			Total	4

C = Core, o* = Optional*

Sessional Core Courses

Arch 502

No of Credits: 12.00

Contact Hours: 15 Hrs/Week

Course Title: Design Studio-IX

Identifying design tasks to specific realistic problems in an assigned setting. The assignment will include all design phases from formulation of architectural programme to preparation of preliminary working drawings. Emphasis will be laid on design quality in terms of formal, functional and structural aspects to attain professional level of achievement, within the given socio- economic context.

Arch 414

No of Credits: 1.50

Contact Hours: 3 Hrs/Week

Course Title: Landscape Design Studio

Study and analysis of landscape elements emphasizing on local plant materials: Application of the principles and techniques of landscape design through design exercises of site planning and area development of different scale. Study of the environmental relationship highlighting Eco-system to attain sustainable landscape development.

Core Course (Training)

Arch 500

Prerequisite: Level- 3 sessional courses

No of Credits: 3.00

Contact Hours: 320 Hrs (8 weeks)

Course Title: Professional Training

The aim of this course is to provide students with the opportunity to acquire basic knowledge and skill in the practice of architecture and to familiarize with professional working environment. This would also provide insights into the duties and responsibilities of a practicing architect. The focus areas will include Project and Office Management, Design and Design Documentation, Construction Documentation and Contract Administration. The student will work under the direct supervision of an experienced and registered architect (Full member of IAB) of the host firm or an office. Concerned teachers of that course will monitor progress and advice on relevant issues. Students will be required to complete a detailed Professional Training Record log book for tasks undertaken at the office. At the end of the training period, students will submit the completed and duly signed Professional Training Record Log Book and the Portfolio of their jobs done in the office/firm during training period for evaluation in an oral examination where the student will be expected to demonstrate adequate professional knowledge. The duration of training will be of 8 weeks (320 working hours); which will commence after the termination of regular Class and to be completed within the given Term time. Students will not be allowed to register in any theory course along with this course in a specific term.

Arch 522

No of Credits: 1.5

Contact Hours: 3 Hrs/Week

Overview of current development in research related to art and architecture. Preparation of research papers including literature search, writing skills and referencing. Verbal and written presentation skills and techniques.

Hum 524

No of Credits: 1.5

Contact Hours: 3 Hrs/Week

Course Title: English Language Lab

Tense, Article, Preposition, Subject Verb Agreement, Clause, Conditional and Sentence Structure, Vocabulary Building: Correct and Precise Diction, Affixes, Level of Appropriateness, Colloquial and Standard, Informal and Formal. Reading Skill: Strategies of Reading, Skimming, Scanning Prediction, Inferencing; Analyzing and Interpreting Variety of Texts. Writing Skill: Sentences, Sentence Variety, Generating Sentences, Clarity and Correctness of Sentences, Linking Sentences to form Paragraphs, writing paragraphs, Essays, Reports, Formal and Informal Letters. Listening Skill and Note Taking: Listening to Recorded Texts and Class Lectures and Learning to Take useful Notes Based on Listening. Speaking skill: Oral Skill Including Communicative Expressions for Personal Identification, Giving Advice and Opinion, Requests, Complaints, Apologies, Describing People and Places, Narrating Events.

Theory Core Courses

Hum 551

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Management for Architects

Introduction: Definition, Objectives, Principles, Management theories, Administration, Level of Management, Qualities and skills of good manager; functions of management: Planning: Its definition, classification, nature, Conditions advantages & dis-advantages; Organizing, Staffing & Motivating: Morale and motivation; Theories of motivation; Controlling: Technique; Steps.

Organization Structure: Type of organization; line of command and response; span of control; centralization and de-centralization; authority and responsibility, Committee.

Personal Management: Manpower planning; recruitment and development; discipline; leadership; Type of leading; communication skills; reaction to frustration; job rotation; enlargement and enrichment.

Performance Appraisal and Compensation: Job evaluation; Merit rating; Salary, wages; incentive, plans, productivity.

Marketing management: Marketing concepts, 4P of marketing, sales promotion.

Theory Optional Courses

Arch 533

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Sustainable Architecture

Concept of sustainable architecture, definitions and theoretical background; climate change and ecological issues; management of natural resources, Environment, Equity and Economic, and relationship with them. Sustainable design technique and tools: green building code and approach, carbon foot-print, life-cycle assessment and considerations, environmental assessment and applications, social sustainability, site sustainability, passive and low-energy architecture, zero energy architecture. Architectural design consideration response to water and rain water use. Resilience architecture and its design approach. Understanding of local and regional perspective on sustainable design practice in Bangladesh.

Arch 573

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Urban Anthropology

Origin and development of social anthropology: ethnography and ethnology. Tools of anthropological research and their applications in architectural studies and analysis. Mutual interaction of people and their built environment. Impact of social stratification. Pluralism in complex societies.

Arch 593

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Commercial and Industrial Buildings Planning and Design

Commercial building: Introduction to commercial building as occupancy and building type. Structural system and space articulation. Service, maintenance and fire protection standards. Natural and mechanized ventilation and lighting. Safety and security. Design criteria for commercial buildings. Case studies.

Industrial building: Historical development and classification of industrial buildings; site development and master planning; environmental impact assessment; working conditions; criteria for overall design; machinery layout; environmental control; services; fire protection; security and safety measures; signs and symbols; legislation and codes. Case studies.

Level 05 Term II

Course No.	Course Title	Status	Contact Hour(s)	Credit
Arch 504	Design Studio-X	C	15	12.0
Arch 514	Dissertation	O	3	1.50
			Total	13.5
Arch 553	Professional Practice	C	2	2.0
URP 511	Theory and Practice of Planning	O	2	2.0
URP 521	Rural Planning	O	2	2.0
URP 543	Traffic and Transportation	O	2	2.0
			Total	4

C* =Core, o*=Optional

Sessional Core Courses

Arch 504

No of Credits: 12.00

Contact Hours: 15 Hrs/Week

Course Title: Design Studio-X

Thesis: Identification of viable projects of significance as thesis projects. Preparation of complete design solution based on investigation and analysis of the physical and contextual aspects of the problem, and on the understanding of design considerations of material, structure and form. Stress is given on the objective analysis of the related factors and in transforming them into a tangible architectural solution of professionally acceptable quality.

Project: Design exercises of realistic complexities emphasizing professional level of achievement. Formulation of architectural programmes for given projects. Preparation of design solution and development through the various phases.

Arch 514

No of Credits: 1.50

Contact Hours: 3 Hrs/Week

Course Title: Dissertation

Approach to report writing. Preparation of report to supplement the various aspects of the thesis/ project of Design Studio X. For thesis the report should reflect the student's research in areas related of the thesis- comparative analysis, case studies and design proposal. For project the report should reflect the student's project program analysis, case studies, design proposal and constution documents. This should lead to the formation of criteria and conceptual approaches to the design of the thesis/project in Arch 504: Design Studio X.



URP 511

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Theory and Practice of Planning

The role of the architect in the building industry and process; duties, responsibilities and obligations of the architect; general conditions of contract; owner -architect relationship; architectural services; the architect and the public; legal responsibilities of the architect; the architect's office; administration of construction; the architect and his consultants; official correspondence; professional organizations: local and international.

Theory Optional Courses

URP 511

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Theory and Practice of Planning

Meaning, scope and significance of planning. Objectives and Principles of urban planning in the new millennium, Development planning, sectoral and spatial approaches; need for integration. The relationship between policies, plans, programs and projects, Planning theories; normative versus positive; blue print vs process planning; procedural versus substantive. Traditional planning theories: incremental versus comprehensive; Types of development plans; Master plan and zonal plans; Components of the master plan, Critical planning issues in master plan, Drawbacks of master plan based on land-use zoning, Modern planning process/ cyclical planning: strategic approach, structure, local and action plans. Systems approach, decision theory and conflict management; Role of government and planners in planning process, Advocacy and corporate planning. Public participation in planning process, The ladder of public participation, Practical problems in participation, Spatial elements in urban planning; Development control; Regulatory measures, Planning regulations, land use compositions of development plan, Development incentives, Eco-sensitive urban planning and design; Innovative land management techniques, Neighborhood design variables and climate change, Planning practices in Bangladesh: Master plan of Chittagong 1961, Chittagong metropolitan master plan 1995, Detailed Area Plan 2009, and further future plan.

URP 521

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Rural Planning

Introduction to Rural Planning: Defining Rural Planning, Rural, Rural Development, Rural Development; Characteristics of rural people, Basic goal of rural development, Why rural planning, Macro or general planning.

Major Approaches during Pakistan and Bangladesh: Village Aid Programme, Comilla Model, Integrated Rural Development Programme, Swanirvar (Self-reliance) Bangladesh and Ideal Village Project & Present Government & Non-Government Organisations' Approaches of Rural Development. Rural Growth Centre Planning: Rural planning norms and standards, Concept of rural growth centre, Systems of rural centres, Thresholds, Development process of rural growth centre, Hierarchy of rural growth centre, Role and influence of rural growth centre.

Determinants of rural development: Types of determinants, role of determinants for rural development. Measures of development: Need for quantities measures of development, types of different quantities measures-concepts, advantages and limitations, physical quality life index, human development index.

Measures of poverty: Concept, Calculation, Procedure, Advantage and limitations of Head Count Index (HCI), Poverty Gap Index (PGI) and Housing Index, Calculation of Head Count Index (HCI), Poverty Gap Index (PGI) etc.

Planning for Rural Development: Basic steps in rural planning, Functions of planning at different levels (Micro, Meso and Macro), Integration of planning among different levels.

Sustainable rural development: Key elements of sustainability, indicators of non-sustainable development, Element of new strategy for sustainable development etc.

URP 543

No of Credits: 2.00

Contact Hours: 2 Hrs/Week

Course Title: Traffic and Transportation

Elements of transportation system. The Land use and transport interaction. Fundamentals of land use-transport planning. Overview on different types of traffic survey. Characteristics of different modes. Theory of Flow (Speed, flow & Density relationship), Concept of roadway capacity. Hierarchy of roads. Concept of environmental area: Pedestrian traffic. Cross sectional elements of road way: Parking. Planning standards for physical facilities. Intersection and interchange design



Dr. Khandaker Shabbir Ahmed from the Department of Architecture, BUET in a studio discussion session at CUET



CUET Graduate won at the KSRM AWARDS FOR FUTURE ARCHITECTS 2023-24

Thesis/Project for Arch 504

The final design project undertaken by students of Level-5 Term-II in partial fulfillment of the requirement of the Degree of Bachelor of Architecture is termed as Thesis/ Project. Each student needs to defend the thesis/project in a Final Jury who will decide the acceptability of the thesis. Also, a student needs to acquire at least 45% of the assigned 1200 marks.

The Thesis/Project enables students to fully articulate their concepts and understanding of architecture as a discipline. It provides them the scope to reflect on understanding of the pattern of life, culture, and the sense of history. At the same time the thesis/project enable the examiners to assess the maturity, competence and the ability of the students to handle projects independently.

The student prepares and submits a thesis/project proposal for approval of the Department. On approval, a detailed design programme is prepared. The individual student is to ensure that the programme is followed through, from the conceptual to the final design stages. The design should reflect a minimum standard of professional competence. The thesis/project is supported by a dissertation which draws upon the existing body of knowledge and rationalizes the parameters and standards of design, and defines the programme.

Report and design stages, these two components of the thesis/project are interlinked to each other and their progress proceed simultaneously. To assist and guide the process from initiation to the final design of a thesis/project, a student is assigned a supervisor by the Department (based on expertise of faculty members and student's choice of subject area) for the duration of a thesis/project.

In addition to the assigned studio teacher and supervisor the student is encouraged to discuss the thesis project with other teachers, architects, and relevant professionals to integrate inputs from all quarters and thus to enrich the output. Such discussions will have to be arranged on the personal initiative of the student.

Submission Rules:

General rules for design and sessional courses

Date of submission of the sessional class project will be declared at the time of the introduction of the project. There will be no late submission for class projects.

In cases where a student requires special consideration, the respective Course Tutor can make necessary adjustments only after having approval from the Head of the Department. If the classes of the University could not be held due to an accident, calamity or in situation beyond the control of students/ teachers, with the permission from the respective Course Tutor and the Head of the Department the submission will take place in the next working day. All submissions, evaluation and jury will take place before the preparatory leave.

Class Organisation:

Class Organisation:

The Department may divide classes into two or three sections to facilitate teacher-student contact. In such cases each section will have independent jurisdiction regarding project selection, supervision, submission, jury, grade distribution etc.

AWARDS AND ACHIEVEMENTS

Following its recent accreditation by the Institute of Architects Bangladesh (IAB), the students and alumni of the Department of Architecture at CUET have achieved both national and international recognition. A key milestone was the consecutive winning of the KSRM Award for Future Architects in association with IAB. This landmark has brought this department into the limelight of architectural practice in Bangladesh.

01

Event Name	Category A DOT Student Design Award 25th Cycle, Issue 03: Vol 09
Organizer	DOT
Event Type	National Competition
Winner	01. Faria Sanjida (Winner) 02. Munsurunnabi Rudra (Commendation Award)
Date	July-September 2024



A New Take-off, Breathing New Life into a World War II Abandoned Airship as a Visitor Centre



FARIA MATIN
ID: 1706011



MD MUNSURUN NABI RUDRA
ID: 1705006

02

Event Name **KSRM Awards for Future Architects 2025 6th Cycle**

Organizer IAB

Event Type National Competition

Winner 01. Rifat Al Ebrahim (Winner)
02. Khandakar Ashikur Rahman (Commendation Award)

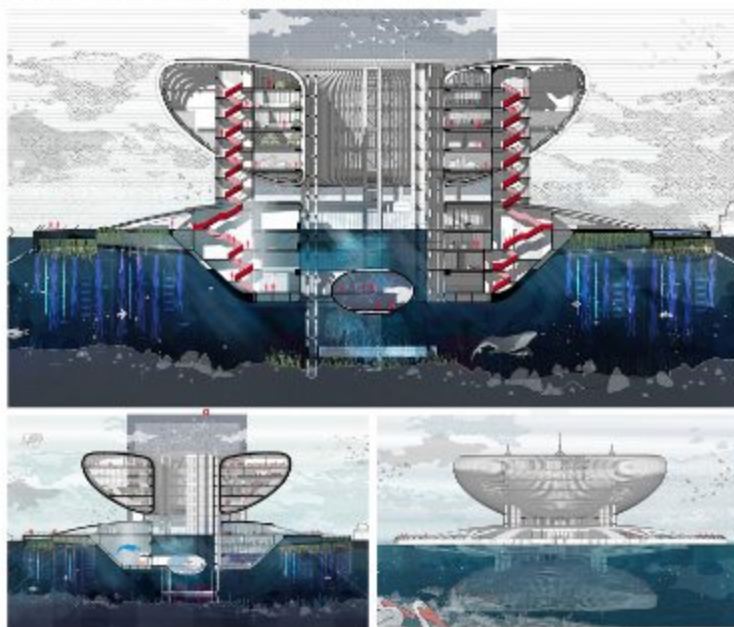
Date Date: 29 April 2025

**FIRST PRIZE**

RIFAT AL EBRAHIM
ID: 1706013



FLOAT WAVE NEXUS:
A SEAWEED RESEARCH AND EXPLORATION CENTER

**COMMENDATION AWARD**

KHANDAKAR MAHATY
ID: 1706007



AWARDS AND ACHIEVEMENTS

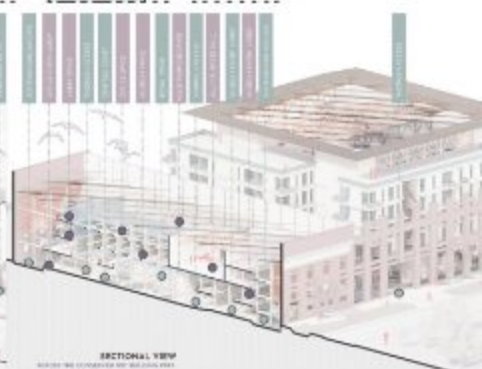
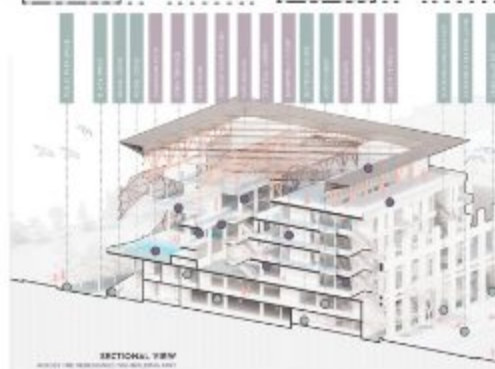
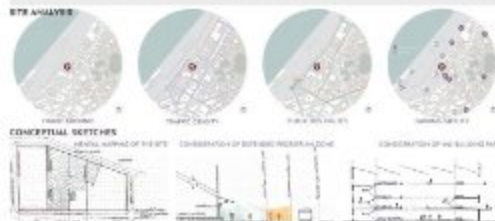
03

Event Name **Buchan Student Prize**

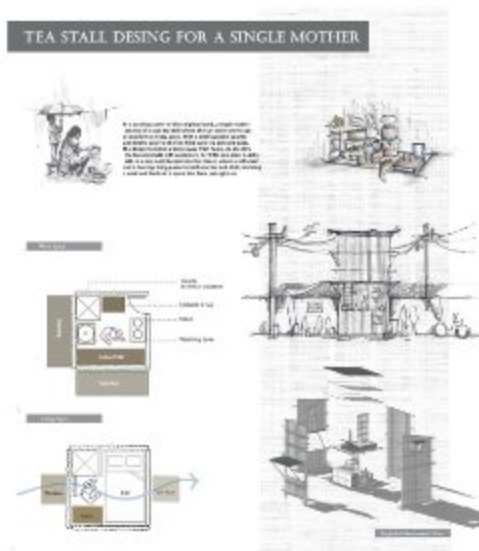
Organizer Architecture firm, Buchan
Event Type International Competition

Winner Asif Ahmedul Haque Siam

Date 22 March 2025



04

Event Name **AYDA Awards 2024**Organizer Nippon
Event Type International CompetitionWinner 01. Rudra Munsurunnabi
(First Prize/Gold Award in the
Architecture Category)
02. Mahdia Rahman Rinijhini
(First Prize/Gold Award in the
Interior Design Category)
Date 3rd March 2025

AWARDS AND ACHIEVEMENTS

05

Event Name **World Architecture Community Award (49th Cycle)**

Organizer World Architecture Community
Event Type International Competition

Winner Nusrat Nasrin Ananna

Date 10 February 2025



W World Architecture Community

won World Architecture Community Award in the category Architecture: S+U+D&T 49th cycle

NUSRAT NASRIN ANANNA
ID:1704023



06

Event Name **7th International Conference on Smart Villages and Rural Development**

Organizer COSVARD
Event Type International Conference

Winner 01. Mantaka Junnurain Adrito
02. Anika Tahsin
03. Swarna Banik Papiya

Date 13 December 2024



Mantaka Junnurain Adrito
19 Batch



Anika Tahsin
19 Batch



Swarna Banik Papiya
19 Batch

07

Event Name **Korail 2100: Speculative
Fantasies/ Lived Realities**

Organizer Paraa
Event Type Korail Design Festival 2024
National Competition

Winner 01. Jannatul Ferdous
02. Nabanita Ghose
03. Md Munsurun Nabi

Date 11 December 2024



08

Event Name **eVolo 2024
Skyscraper Competition**

Organizer eVolo Magazine
Event Type International Competition

Winner 01. Fahim Ashab Farooque
(Batch'16) (Honourable Men-
tion)
02. Mahir Aritro (Batch'14)
(Honourable Mention)

Date 17 June 2024



11

Event Name **5th Cycle of KSRM Awards for Future Architects 2023**

Organizer KSRM
Event Type National Competition

Winner Fahim Ashab Farooquees's ('16 Batch) (First prize)

Date 17 February 2024



12

Event Name **ARCASIA Thesis of the Year 2023 (TOY ARCASIA 2023)**

Organizer ARCASIA
Event Type International Competition

Winner Fahim Ashab Farooquees (Silver Award)

Date 21 September 2023



AWARDS AND ACHIEVEMENTS

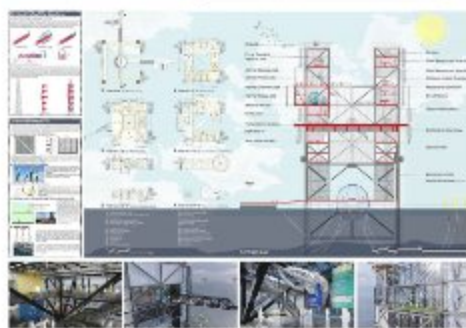
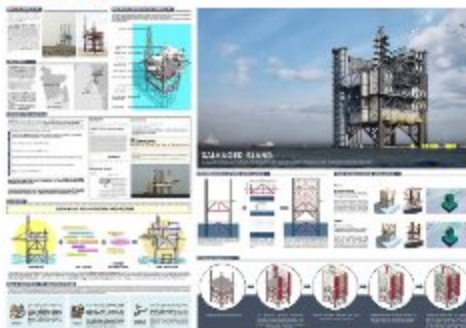
13

Event Name **KSRM Awards for Future Architects 2022**

Organizer KSRM
Event Type National Competition

Winner 01. Mahir Aritro (2nd Prize)
02. Md Nasif Sadman (Commendation Award)

Date 19 November 2022



Mahir Aritro
ARCHITECTURE '14



Md. Nasif Sadman
ARCHITECTURE '15



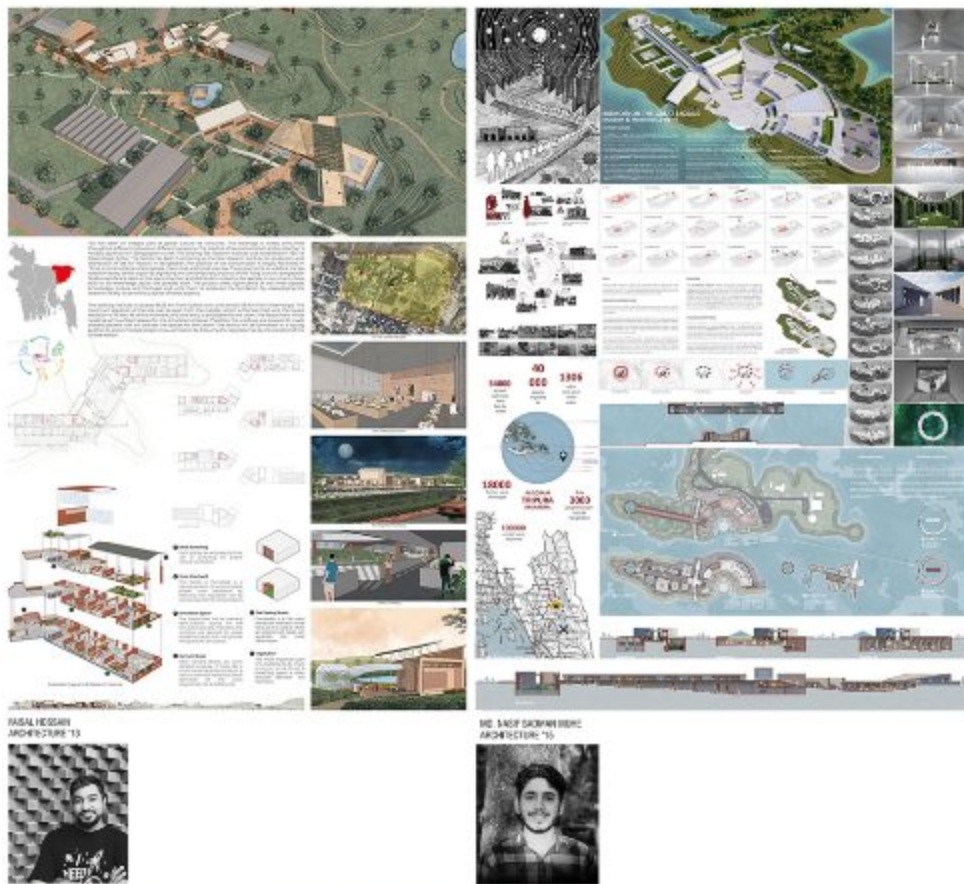
14

Event Name **Architecture Thesis of The Year ATY 2022**

Organizer The Charette
Event Type International Competition

Winner 01. Faisal Hossain (Top 30)
02. Md Nasif Sadman (Top 30)

Date 16 November 2022



15

Event Name **Connect with Creativity**

Organizer ArchTwist
Event Type National Competition

Winner Mantaka Jannurain Adrito

Date 12 March 2021



Mantaka Jannurain Adrito
Architecture 15 Batch



AWARDS AND ACHIEVEMENTS

16

Event Name **Award for Excellence in Architectural Design 2021-22**

Organizer archiDots
Event Type International Competition

Winner Oishi Nur
(Outstanding Project Award)

Date 9 November 2022



17

Event Name **Student Project Award (SPA 2021)**

Organizer Archi Hacks
Event Type International Competition

Winner 01. Faisal Hossain
(editor's choice award)
02. Rubaiat Jannat
(people's choice award)

Date 13 February 2022



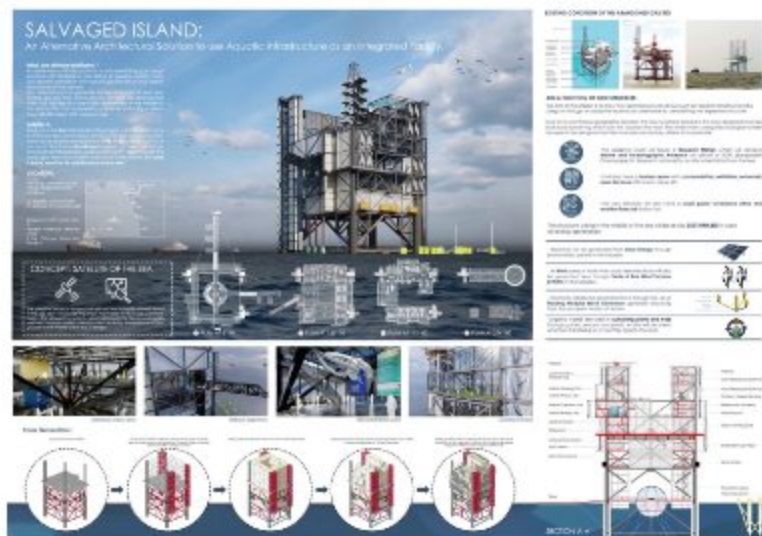
18

Event Name **Archi THESIS OF THE YEAR
ATY 2021**

Organizer The Charette
Event Type International Competition

Winner Mahir Anitro

Date 1 February 2022



19

Event Name **SHAH Cement DOT Student
Design Award**

Organizer DOT
Event Type National Competition

Winner Farhan Arif Rahman,
Md. Faisal Hossain

Date 11 June 2021



FARHAN ARIF RAHMAN



MR. FAISAL HOSSAIN



AWARDS AND ACHIEVEMENTS

20

Event Name **Archiprix International
Hunter Douglas Award 2017**

Organizer Archiprix International,
Netherlands
Event Type International Competition

Winner **Amit Imtiaz, Nominated for
Archiprix International
Hunter Douglas Award 2017**
23 Project around the globe
The only project nominated
from Bangladesh since Archi-
prix Started.

Date 10th September 2017

HunterDouglas Awards

ARCHI PRIX

WORLD BEST GRADUATION PROJECTS

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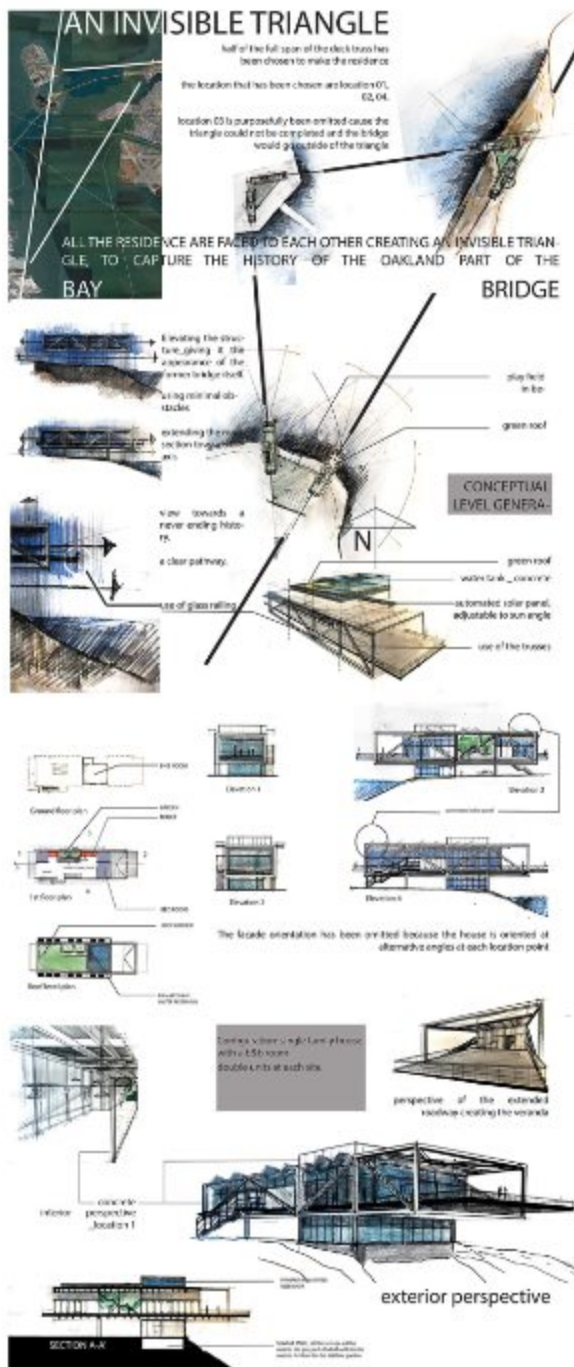


NOMINATION FOR HUNTER DOUGLAS AWARD
ARCHIPRIX INTERNATIONAL 2017

**BREATHING
HYDROLOGICAL
INFRASTRUCTURE**



Date 01 December, 2013



Event Name **1st National Conference
Resilient Architecture Towards
Sustainable Bangladesh**

Organizer **DoA, CUET**
Event Type **National Conference**

Venue **Chittagong University of
Engineering & Technology
(CUET)**

Date **20 December, 2024**

1st National Conference **Resilient Architecture Towards Sustainable Bangladesh 2024**

NAUGURATION CEREMONY



CHIEF GUEST
GUEST OF HONOR
SPECIAL GUEST

KEYNOTE SPEAKER

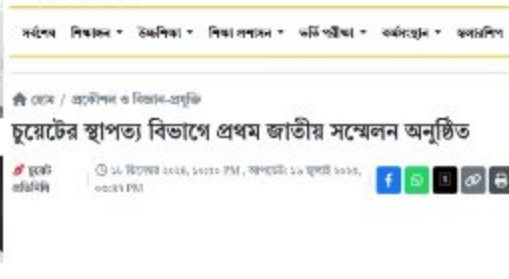
INVITED SPEAKER
CONFERENCER

Professor Dr. Mohammad Tazimuddin Khan Honorable Member, UGC, Bangladesh
Prof. Dr. Mahmud Abdul Karim Bhuiyan Vice-Chancellor, CUET
Prof. Dr. Sheikh Muhammad Humayun Kabir Registrar, CUET
Prof. Dr. Muhammad Rashidul Hasan Dean, Faculty of Architecture & Planning, CUET
Prof. Dr. Khandaker Shabbir Ahmed Department of Architecture, BUET
Prof. Dr. Abu Sayeed M. Ahmed Department of Architecture, UAP
Prof. Dr. Md. Akter Mahmud Department of Urban & Regional Planning, JU
Mr. Tapas Ranjan Chakrabarty Senior Program Manager, Climate Change Programme, BRAC
Prof. Dr. Md. Ashikur Rahman Reader, Department of Architecture, BUET
Dr. Sajal Chowdhury M.A. 2024, Department of Architecture, CUET



Organized By

Department of Architecture
Chittagong University of Engineering and Technology (CUET)



CONDUCT OF ACADEMIC PROGRAMS
Undergraduate Program

1.0 Definitions

In this rules and regulations, unless the context otherwise requires:

- 1.1 "University" means the Chittagong University of Engineering & Technology abbreviated as CUET;
- 1.2 "Rules and Regulations" means Academic rules and regulations;
- 1.3 "Syndicate" means the Syndicate of the University;
- 1.4 "Academic Council" means the Academic Council of the University;
- 1.5 "Academic Committee" means Academic Committee for the Undergraduate Studies of Degree Awarding Departments as provided in Article 26 of the Act as well as Article (3) of the First Statutes;
- 1.6 "Vice-Chancellor" means the Vice-Chancellor of the University;
- 1.7 "Dean" means the Head of a Faculty of the University;
- 1.8 "Registrar" means the Registrar of the University;
- 1.9 "Department" means concerned Academic Department of the University;
- 1.10 "Head" means the Head of the Academic Department;
- 1.11 "Chairman" means the Chairman of the Examination Committee of a department of the University;
- 1.12 "Controller" means the Controller of Examinations of the University;
- 1.13 "Equivalence Committee" means the Equivalence Committee of the University;
- 1.14 "Level" means an academic year, consisting of Term-I and Term-II.
- 1.15 "Term" means Term-I or Term-II consisting of 18 weeks in each Term.
- 1.16 "Self Study Examination" means an examination is given for conducting examination of failed course (s) after one week of Term-II final examination results.
- 1.17 "Student" means a student admitted in any Degree awarding Department of the University.
- 1.18 "Course system" means pass or fail on course basis.
- 1.19 "Failed courses" means the courses registered but not appearing at the examination or not passed after appearing at the examination.
- 1.20 "Discontinuity" means failure to appear in all courses (theory and sessional) in a particular semester/level.



2.1 Degree Awarding Departments (According to Department Code)

The University shall have the following Degree Awarding Departments:

- (i) Department of Civil Engineering (01);
- (ii) Department of Electrical & Electronic Engineering (02);
- (iii) Department of Mechanical Engineering (03);
- (iv) Department of Computer Science & Engineering (04);
- (v) Department of Urban and Regional Planning (05);
- (vi) Department of Architecture (06);
- (vii) Department of Petroleum and Mining Engineering (07);
- (viii) Department of Electronics and Telecommunication Engineering (08);
- (ix) Any other Department to be instituted by the Syndicate on the recommendation of the Academic Council.

2.2 Teaching Departments

The University shall have the following Teaching Departments:

- (i) Department of Architecture;
- (ii) Department of Chemistry;
- (iii) Department of Civil Engineering;
- (iv) Department of Computer Science & Engineering;
- (v) Department of Electrical and Electronic Engineering;
- (vi) Department of Electronics and Telecommunication Engineering;
- (vii) Department of Humanities;
- (viii) Department of Mathematics;
- (ix) Department of Mechanical Engineering;
- (x) Department of Petroleum and Mining Engineering;
- (xi) Department of Physics;
- (xii) Department of Urban and Regional Planning;
- (xiii) Any other Department to be instituted by the Syndicate on the recommendation of the Academic Council.

2.3 Degrees to be Offered

The University shall offer courses leading to the award of the following degrees:

- i) Bachelor of Science in Civil Engineering, abbreviated as B. Sc. Engineering (Civil Engineering).
- ii) Bachelor of Science in Computer Science & Engineering, abbreviated as B. Sc. Engineering (Computer Science & Engineering).
- iii) Bachelor of Science in Electrical & Electronic Engineering, abbreviated as B. Sc. Engineering (Electrical & Electronic Engineering).
- iv) Bachelor of Science in Mechanical Engineering, abbreviated as B. Sc. Engineering (Mechanical Engineering).
- v) Bachelor of Architecture, abbreviated as B. Arch.
- vi) Bachelor of Urban and Regional Planning, abbreviated as BURP.
- vii) Bachelor of Science in Petroleum and Mining Engineering, abbreviated as B. Sc. Engineering (Petroleum and Mining Engineering).
- viii) Bachelor of Science in Electronics and Telecommunication Engineering, abbreviated as B. Sc. Engineering (Electronics and Telecommunication Engineering).
- ix) Any other degree that may be awarded by a Department on the approval of the Syndicate upon the recommendation of the Academic Council.

8.0 Student Admission, Equivalence and Admission on Transfer:

3.1 The four academic years of study for the degree of B. Sc. Engineering and BURP shall be designated as Level-1 class, Level-2 class, Level-3 class and Level-4 class in succeeding higher Levels of study. The five academic years of study for the degree of B. Arch shall be designated as Level-1 class, Level-2 class, Level-3 class, Level-4, and Level-5 class in succeeding higher Levels of study. Students shall be admitted into the Level-1 class.

3.2 An Admission Committee shall be formed in each academic session by the Academic Council for admission into Level-1 B. Sc. Engineering, BURP and B. Arch class, vide Article 42 of the University Act.

3.3 According to Article 42(2) of this University Act, candidate for admission into the Level-1 class must have passed the H.S.C. Examination from a Higher Secondary Education Board in Bangladesh (after 12 years of schooling) with Physics, Chemistry and Mathematics as his/her subjects of Examination or any examination in Higher Secondary Level of examination recognised as Equivalent there to, and must also fulfil all other requirements as may be prescribed by the Admission Committee.

3.4 As specified in Article 42(1) of this University Act, the rules and conditions for admission into various courses of studies of Departments shall be framed by the Academic Council on the recommendation of the Admission Committee.

3.5 All candidates for admission into the courses of B. Sc. Engineering, BURP and B. Arch. must be the citizens of Bangladesh unless the candidature is against the seats which are reserved for foreign students. Candidates for all seats, except the reserved ones, if any, shall be selected on the basis of merit. The rules for admission into the reserved seats (for foreign students & tribal), if any, shall be framed by the Academic Council on the recommendation of the Admission Committee.

3.6 No candidate shall be admitted in the Level-1 class after the beginning of the corresponding session, i.e., when the classes start.

3.7 List of newly admitted students shall be notified in the University notice Board as well as in the University Website before commencement of the classes.

3.8 If any newly admitted student fails to register the courses and to attend the classes within the first two weeks time after the start of classes, he/she will not be allowed to attend his/her classes at Level-1 course(s) but his/her admission into the Level-1 of the respective academic session will remain valid up to six weeks.

3.9 If any student fails to report within the first six weeks time after the start of classes, his/her admission shall be cancelled.



4.0 Method of offering**Course and Instruction:**

The undergraduate curricula of this university are based on course system. The salient features of course system are:

- 4.1 The Number of regular theoretical courses and the related examination papers shall not exceed six in each Term.
- 4.2 Provision for Continuous evaluation of student's performance, through attendance, class test, sessional class, etc.
- 4.3 Evaluation of the performance of course/courses by using Letter Grades and Grade Points instead of numerical marks;
- 4.4 Provisions for Optional/Elective courses may be available at any Level of B. Sc. Engineering, BURP and B. Arch. Courses.
- 4.5 In the curriculum, besides the professional courses pertaining to each discipline, there is an emphasis on acquiring knowledge in basic sciences, humanities and social sciences. Emphasis shall be given to introduce courses dealing with professional practices, project planning and management, socio-economic and environmental aspects of development projects, communication skills, etc.

5.0 Academic Calendar:

- 5.1 Number of Terms in an Academic Year (Level):

There shall be Two Terms (Term-I, Term-II) in an academic year (designated as Level). In addition, Self Study examination will be held for conducting examinations of failed course(s). The Self Study examination will be held after one week of Term-II results publication. Notification of the examination will be circulated before two weeks of the Self Study examination.

- 5.2 Eligibility for Self Study Examination:

A student shall be eligible for appearing at the Self Study examination if he/she attends at least 60% classes of a particular course.

- 5.3 Duration of Terms and Rules for Conducting Course(s):

The duration of each of the Term-I and Term-II will be a maximum of 19 weeks, which will be used as follows:

A. Term I

Classes	13 weeks
Mid Term Break (Generally after 50% of the Term duration)	1 weeks
*Preparatory Leave for Examination	2 weeks
*Term Final Examination Period	2 weeks
	18 weeks
** Inter Term Break	1 weeks

B. Term II

Classes	13 weeks
Mid Term Break (Generally after 50% of the Term duration)	1 weeks
*Preparatory Leave for Examination	2 weeks
*Term Final Examination Period	2 weeks
	18 weeks
Inter level break including publication of Results & course registration of Self Study Examination	3 weeks
C. Ramadan, Eid, Puja and other Vacation throughout the Level	9 weeks
D. Compensatory Class (es)	1 weeks
	50 weeks

(Maximum 52 weeks for Departments offering 6 courses/Term)

*2 weeks + 3 days/excess course

**Term-I result is to be published by 4 weeks after the Term-I final examination.

5.4 A student shall be allowed to appear at Self Study examination for a maximum of 5 (five) failed course(s) retaining his/her previous attendance and class test marks of a particular course.

5.5 The maximum grade obtainable in any course by a student in the Self Study examination shall be 'B'.

5.6 A student shall not be allowed to register courses of Level-3, unless he/she passes all the prescribed courses of Level-1 for B .Sc. Engineering and BURP. Similarly, a student shall not be allowed to register courses of higher Levels (Term I and Term II), unless he/she passes all the prescribed design Studio (I-X) courses of different Levels for B. Arch.

5.7 A student not eligible/not intended for appearing at the Self Study Examination shall have to register the failed course (s) in regular Term. He/she shall repeat the course(s) like a regular student with prior application to the Head of the Department concerned. In that case, the maximum grade obtainable in any course by the student shall be 'B'.

5.8 The Head of the Department will propose through Dean of the respective Faculty an academic schedule for all academic Levels to the Academic Council for approval and will announce the same before the starting of the classes.

5.9 In case a student fails in sessional course(s) he/she shall have to register the same as a regular student. In that case, the maximum grade obtainable in any course by the student shall be 'B'.

6.0 Duration of Course

and Course Structure:

6.1 The B. Sc. Engineering and BURP courses shall extend over a period of four academic Levels, however, the B. Arch. courses shall extend over a period of five academic years.

6.2 The curricula of the B. Sc. Engineering, BURP and B. Arch. degree in the different Departments shall be, as proposed by the Academic Committee for Undergraduate Studies and approved by the Syndicate on recommendation of the Academic Council.

6.3 The Academic Committee for Undergraduate Studies shall review the curricula at least once in every academic Level and put forward the recommendations to the Academic Council.

6.4 Contact hour(s) of the teaching load(s) shall have to counted according to the following guidelines:

SL. No.	Nature of Course	Contact Period (in a Term)	No. of Credits
1		1 hour per week	1.00
2	(i) Laboratory (ii) Sessional (iii) Design (iv) Design Studio (for B. Arch)	3/2 hours per week 2 hours per week 3 hours per week 2 hours per week for Level-1 1.5 hours per week for level-2, 3 & 4 1.25 hours per week for level-5	0.75 1.00 1.50 1.00 1.00 1.00
3	Project and Thesis	3/2 hours per week 3 hours per week 6 hours per week	0.75 1.50 3.00
4	Field work	2 weeks of field work (Survey)	1.00
5	Industrial training	2 weeks	1.00
6	Professional Training (for BURP)	4 weeks	Non credit
7	Professional Training (for B. Arch.)	8 weeks	Non credit

6.5 Field work (Survey)/Industrial Training/ Professional Training should be completed within the time allowed for the Term. For that, if necessary, rescheduling of classes can be done in consultation with Dean of the respective Faculty.

6.6 Minimum credit hour requirements for the awards of bachelor's degree in Engineering, URP and Architecture will be decided by Academic Committee subject to the approval of Academic Council. However, at least 155 credit hours for B. Sc. Engineering, 159 credit hours for BURP, and 191 credit hours for B. Arch. must be earned to be eligible for graduation.

6.7 The total number of credit hours for which a student can register in each regular Term shall be around 25.

6.8 The total contact period for students including lecture and lab/sessional shall be between 25 and 35 periods per week, each period being of 50 minutes duration. Normally, there shall be five working days in a week and the working days will be counted as per the calendar days.

6.9 In each degree awarding Department, a teacher to be nominated by the Head of the Department shall act as Course Co-ordinator in each Level. The Course Coordinator of Level-4/ level-5 shall also be the Member Secretary to the Academic Committee.

6.10 A course plan for each course showing the details of lectures is to be announced by the concerned teacher at the beginning of the Term.

6.11 Credit in any theory subject/course shall not exceed 4 and in sessional/laboratory/design-subject/course it shall not exceed 1.5 for B.Sc. Engineering. However, for B. Arch and BURP the Credit in any theory subject/course shall not exceed 4 Credit and the credit in sessional/design studio courses shall be as specified by the Academic Curricula.

6.12 Project and Thesis is to be done in Level-4 as compulsory course. The total number of credits and distribution of credits for project and thesis in two terms of Level-4 will be as incorporated in approved curriculum for B. Sc. Engineering and BURP; however, for B. Arch., Project and Thesis is to be done in Level-5 as compulsory course. The total number of credits and distribution of credits for project and thesis in two terms of Level-5 will be as incorporated in approved curriculum.

6.13 The assessment in laboratory/sessional courses shall be made through observation of the student at work in class, viva-voce, quiz/ jury board (for Design Studio), etc. Assessment of result of each sessional class shall be posted to the sessional card as well as to the Display Board before the next class.

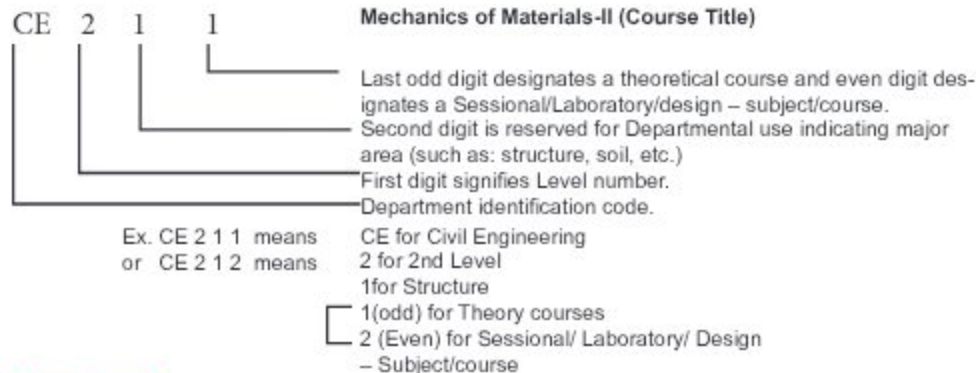
7.0 Course Designation and Numbering System:

Each course shall be designated by a two to four letter word identifying the Department which offers it followed by a three digit number with the following criteria.

7.1 The first digit shall represent the Level in which the course is taken by the students.

7.2 The second digit shall be reserved for Departmental use for such things as to identify different areas within a Department.

7.3 The last digit shall represent a theoretical course when it is an odd digit and a Sessional/ Laboratory/Design-Subject/course when it is even. The course designation system is illustrated by one example as shown below:



REGULATIONS

8.0 Course Offering and Instruction

The medium of instructions is English. The compulsory and optional courses at different Levels shall be offered according to the approved curricula. The optional course(s) shall have to be registered with the prior approval by the Head of the Department.

9.0 Registration Requirements

Every regular student, if he/she wants to study, shall have to register the course(s) before the beginning of the class of each term of each level.

9.1 Registration/Form Fill up Procedure for Regular and Self Study Students:

9.1 Registration/Form Fill up Procedure for Regular and Self Study Students:

a) The Registration and Form fill up of examination shall have to be conducted by the Department. Each student needs to fill up his/her form to appear at the examination. The date, time and venue for filling up the forms to appear at the examination will be announced in advance by the Office of the Controller of Examinations and the date, time and venue for course registration will be announced by the Registrar's Office. A student shall have to pay fine as described below for late registration beyond the time/schedule as declared by the Office of the Registrar:

i) A student shall be allowed to register course(s) up to one week after starting classes of the Term with a late fine of Tk. 500.00.

ii) For a period of more than one week but less than/equal to two weeks after starting classes of the Term, a student shall be allowed to register course(s) with a late fine of Tk. 1000.00.

iii) A fine of Tk. 2000.00 shall have to be paid by a student who will be registering course(s) in the period of more than two weeks but less than/equal to 40% of the Term duration.

iv) A student shall not be allowed for registration of any course after 40% of the Term period elapsed. But, this may be relaxed for students completing Level 4 Term-II for B. Sc. Engineering and BURP, and Level 5 Term-II for B. Arch. final examination with recommendation from the Adviser and the Head of the Department, and a late fine of Tk. 5000.00 for each such registration.

b) If a student of Level-1 fails in all theory courses registered by him/her and obtains "F" grade in each of the courses and fails to earn any credit against theory courses but may/may not earn credit against sessional course/courses, he/she shall have to register the same theory/sessional course(s) in Level-1 of the next Academic Session. The maximum grade obtainable by a student in any re-registered theory course will be "B". However grade obtained in sessional course/courses will be retained. For the re-registration of these courses an elapse of time for previous Academic Year equivalent to one Academic Year will be considered and this period will be deducted from the total period of time allowed for the completion of B. Sc. Engineering, BURP and B. Arch. degrees as mentioned in article 13.0 of the Academic Ordinance.

c) Registration for Self Study Students:

A student shall register course(s) to appear at the Self Study examination at least two days before starting of the examination of a particular course. The maximum number of courses to be registered by a student shall be Five (5). The maximum duration of the self Study examination shall be two weeks. The date, time and venue for filling up the forms to appear at the examination will be announced in advance by the Office of the Controller of Examinations and the date, time and venue for course registration will be announced by the Registrar's Office.

9.3 Limits on Credit Hours:

One adviser will be appointed for each student by the Department who will advise the student about the courses to be registered by the student. The adviser will discuss with the students about his academic program and then decide the number and nature of courses for which he can register. However, it is the student's responsibility to keep contact with his adviser who will review and eventually approve the student's specific plan of study and check on subsequent progress. The number of students under each adviser will be decided by the Head of the Department concerned.

9.3 Limits on Credit Hours:

A student must be enrolled for the requisite number of credits as mentioned in article 6.6 and 6.7

9.4. Withdrawal from a Semester:

If a student is unable to complete any Term (Term-I &/or Term-II) due to illness, accident or any other valid reason etc., he/she may apply to the Registrar through the concerned Head of the department for total withdrawal from the Term before the start of Term Final Examination.

9.5. Striking off the Names:

The names of the students shall be struck off and removed from the rolls of the university on the following grounds:

9.5.1 Withdrawal of names from the rolls of the University after having cleared all University fees, Hall and other dues to the University.

9.5.2 Failure to earn required credits for graduations as outlined in the respective curriculum and/or to earn CGPA requirement as per 11.4 within the maximum allowed time of seven (7) academic years for B.Sc. Engineering and BURP and eight (8) academic years for B. Arch.

9.5.3 Admission of a newly admitted student in the Level-1 class will be cancelled, if he/she fails to report within first six consecutive weeks after the beginning of the class.

10.0. Grading System:

Numerical grade	Letter grade	Letter grade
80% or above	A+ (A Plus)	4.00
75% to less than 80%	A (A Regular)	3.75
70% to less than 75%	A- (A Minus)	3.50
65% to less than 70%	B+ (B Plus)	3.25
60% to less than 65%	B (B Regular)	3.00
55% to less than 60%	B- (B Minus)	2.75
50% to less than 55%	C+ (C Plus)	2.50
45% to less than 50%	C (C Regular)	2.25
40% to less than 45%	D	2.00
Less than 40%	F	0
Not registered in the Registration.	I	-

A grade 'X' shall be awarded for courses (like project/Thesis, design, etc.) in the Term-I, which will continue through to the next Term-II.

10.2 The minimum passing grade in a theory course shall be D and the minimum passing grade in a Laboratory/Sessional/Project/Thesis, field work course/Industrial Training (henceforth referred to as sessional course) will be C.

10.3 Calculation of GPA:

Grade Point Average (GPA) is the weighted average of the grade points obtained in all the courses passed/completed by a student in a Term. 'F' grades will not be counted for GPA calculation. GPA of a Term will be calculated as follows:

$$GPA = \frac{\sum_{i=1}^n C_i G_i}{\sum_{i=1}^n C_i}$$

where, n is the number of courses passed by the student; C_i is the number of credits assigned to a particular course i; And G_i is the grade point corresponding to the grade awarded for i-th course.

The Cumulative Grade Point Average (CGPA) gives the cumulative performance of the student from first Term up to any other Term to which it refers and is computed by dividing the total grade points ($\sum C_i G_i$) accumulated up to the date by the total credit hours ($\sum C_i$).

$$GPA = \frac{\sum_{i=1}^n C_i G_i}{\sum_{i=1}^n C_i} \quad \text{Both GPA and CGPA will be rounded off to the second place of decimal for reporting.}$$

10.4 Distribution of marks for a given course will be as follows:

(i) Theory courses:

Class participation and attendance	Letter grade
Class tests/Class assessment	10
Term Final Examination	3.75
(3 hours duration)	3.50
Total	3.25

(ii) Laboratory/Sessional/Design–subject/work courses:

a) B.Sc Engineering

Class participation and attendance	Letter grade
Class tests/Class assessment	10
Term Final Examination	3.75
(3 hours duration)	3.50
Total	3.25

b) BURP

Quizzes/ Drawing Evaluation /Presentation	15%
Viva-voce	15%
Class performance including reports	60%
Attendance	10%
Total	100%

c) B. Arch.

Attendance	10%
Jury (report, preliminary Jury and final Jury)	90%
Total	100%

(iii) Project/Thesis:

a) B. Sc. Engineering and BURP:

Viva-voce	30%
External examiner	20%
Supervisor (internal examiner)	50%
Total	100%

b) B. Arch.:

Attendance	10%
Jury (report, preliminary Jury and final Jury)	90%
Total	100%

Attendance	Marks
90% and above	10%
85% to less than 90%	9%
80% to less than 85%	8%
75% to less than 80%	7%
70% to less than 75%	6%
65% to less than 70%	5%
60% to less than 65%	4%
To less than 60%	0%

10.6 Class Tests:

10.6.1 The number of Class Tests of a course shall be 'n+1', where 'n' is the number of credits of the course. Evaluation of the performance in the class test will be on the basis of the best 'n' number of class tests.

10.6.2 Duration of each Class Test shall not be exceed 20 minutes.

10.6.3 For convenience of conducting the Class Tests a half an hour time slot should be kept at the beginning of each working day.

10.6.4 The dates for the Class Tests shall be fixed by the Course Co-ordinator and shall be announced accordingly.

10.6.5 All Class Tests shall be of equal value. The result of each individual Class Test shall be posted to Display Board for information of the students before the next Class Test is held.

10.6.6 The marks of the Class Tests shall be submitted to the Head of the Department before beginning of preparatory leave.

10.7 A student will be given "F" grade in any course if he/she fails in final examination

11.0 Earned Minimum CGPA for awarding Degree:

11.1 The courses in which a student has obtained 'D' or a higher in theory and 'C' or higher in sessional/laboratory/Project/ Thesis/ Field work/ Industrial Training Grade will be counted as credits earned by him/her. Any course in which a student has obtained 'F' grade will not be counted towards his/her earned credits.

11.2 A student, who obtains an 'F' grade in any course(s) in any Term, will have to repeat the course(s). If a student obtains an 'F' in an optional course(s), he/she may choose to repeat the course(s) or take substitute course(s), if available.

11.3 'F' grades will not be counted for GPA calculation. 'F' grades shall not be reflected in Transcript.

11.4 The minimum CGPA requirement for the award of Bachelor of Engineering and URP Degrees is 2.25 and that for Bachelor of Architecture is 2.20. Candidates for Bachelor's degree in Engineering, URP and Architecture shall be awarded Honors if he/she obtained CGPA 3.75 or higher.

12.0 Awards for Academic Excellence:

12.1 Chancellor's Award

Candidates for Bachelor's degree in Engineering, URP and Architecture shall be awarded the Chancellor's Award if their CGPA is 4.0.

12.2 Dean's Award

Candidates for Bachelor's degree in Engineering, URP and Architecture shall be awarded the Dean's Award if their CGPA is 3.75 or higher.

REGULATIONS

13.0 Time Limits for the Completion of Bachelor's

A student must complete all requirements for the fulfillment of degree within a maximum period of seven academic years for B. Sc. Engineering and BURP and eight academic years for B. Arch. This includes discontinuity due to any cause (fail, expulsion, not appearing in the examination etc). But, exception may be done only for those students who have passed all prescribed Sessional courses. In such cases, a prior approval of the Academic Council with recommendation from the Head of the department concerned shall be needed. In this connection, a student shall have to pay the registration fee as prescribed by the Academic Council.

14.0 Industrial/ Professional Training Requirements

Depending on each Department's own requirement a student shall have to complete a prescribed number of days of industrial/professional training in addition to minimum credit and other requirements, to the satisfaction of the Department.

15.0 Publication of Results Degree:

15.1 A student who successfully complete the prescribed courses of all the Terms and all academic requirements for fulfillment of degrees of Bachelor's will have to apply to the Controller of Examinations through the Head of the Department for Graduation.

15.2 The Controller of Examinations shall publish the result.

15.3 Provisional degree will be awarded on completion of credit and CGPA requirement, by the Academic Council.

15.4 Students of regular batch who have completed their all courses in regular Level-4/ Level-5 Term-II examination or in respective Level-4/ Level-5 Self Study examination, will be eligible to be included in the merit list of concerned academic session, provided that they must have completed and passed their project/thesis course within 45 days from the last day of Level-4/ level-5 Self Study examination. The irregular or included students from the previous academic rules and regulations shall not be considered as regular students.

