

G C P Institute of Architecture Interior Design and Fine Arts

Veer Narmad South Gujarat University



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NAME OF THE DEPARTMENT

(GJ-09) Shri Gijubhai Chhaganbhai Patel, Institute of Architecture, Interior Design & Fine Arts.

Department of Architecture, Interior Design & Fine Arts.

Veer Narmad South Gujarat University, Surat

YEAR OF ESTABLISHMENT:

January 2011

PROGRAMS OFFERED:

Under **G**raduate Program

Bachelor of **A**rchitecture 05 years full time self finance degree program | since 2011-12

Post Graduate Programs

Master of Architecture (Landscape Design)
02 years full time self finance degree program | since 2019-20

Master of Urban and Regional Planning
02 years full time self finance degree program | since 2019-20



Admissions 2024-2025

Eligibility Criteria:

Under **G**raduate Program

Bachelor of **A**rchitecture Tuition Fees: 61,000 INR per annum



- 10+2 scheme of examination with at least 50% aggregate marks in Physics, Chemistry & Mathematics and also at least 50% marks in aggregate of the 10+2 level examination
- 10+3 Diploma Examination with Mathematics as compulsory subject with at least 50% marks in aggregate

Post Graduate Programs

Master of **Arch**itecture (**Landscape** Architecture) Tuition Fees: 73,500 INR per annum



 B.Arch with minimum 50% aggregate marks (open category) & 45% marks (SC/ST/SEBC categories) in qualifying examination

Master of Urban and Regional Planning Tution Fees: 73,500 INR per annum



- Under graduation degree from any of the below mentioned programs from a recognised University/Institution:
 - I. Bachelor of Architecture
 - II. B.E./B.Tech. (Civil Engineering) or
 - III. Bachelor of Planning
 - IV. Post Graduation in Geography or Economics or Sociology
- The candidate from general category shall have passed any of the abovementioned degree programs with minimum 50% aggregate marks (minimum 45% aggregate marks for SC/ST/SEBC/EWSs candidates



Doctoral Program:

Doctor of Philosophy (PhD)

Tuition Fees: 95,000 INR per annum



• B.Arch. and M.Arch., M.Tech., M.Plan. or equivalent Master Degree

· As per UGC norms and standards.

Proposed Programs

1. Diploma in Architecture

Tuition Fees: 50,000 INR per annum



Eligibility Criteria:

• A candidate shall be admitted to Diploma program after passing an examination at the end of the 10th Standard or its equivalent examination.

Note:

- 1. The program shall be operated as per the norms and standards laid down by the Council of Architecture.
- 2. Admissions shall be done by the Admission Committee for Professional Diploma Courses (ACPDC)

2. Diploma in Design

Tuition Fees: 50,000 INR per annum



Eligibility Criteria:

• A candidate shall be admitted to Diploma program after passing an examination at the end of the 10th Standard or its equivalent examination.

Note:

1. The program shall be operated as per the requirements from the industries/society especially in Diamond and Textile sectors.





Dr. Kishorsinh N. Chavda

OVERVIEW OF UNIVERSITY AND ITS INFRASTRUCTURE

- Veer Narmad South Gujarat University located at Surat city has a campus spread over 210 acres.
- The university was originally established under the South Gujarat University Act, 1965 passed by the Gujarat State Legislative Assembly.
- VNSGU has around 250 colleges in South Gujarat region.
- The University's jurisdiction extends to the seven districts of Surat, Navasari, Valsad, Narmada, Dangs, Bharuch and Tapi and the Union Territory of Daman and Dadra and Nagar Haveli. There are 25 Post Graduate Departments / Institutes on the University campus that offers 95 programmes with multiple specializations including 19 M.Phil and 19 Ph.D. programmes. The University has 34 Government, 59 Grant-in-aid and 190 Self-financed Colleges and 104 Post-graduate Teaching Centres (subject wise) attached to affiliated colleges.



Introduction of the Department

The department provides quality education and hone skills to students with respect to their area of interest within the domain of architecture by providing opportunity through flexible pedagogy.

The department is well-furnished, well-equipped and housed in Shri **G**ijubhai **C**hhaganbhai **P**atel **I**nstitute with modern technology.

The students are actively participated in the various co-curricular activities. Department provides the teaching through problems based learning and also vigorously involve to sensitize the students about architectural task, environmental issues, architecture graphic skills and socio-economic and cultural scenario.

History of the Department

To cater to the rising demand of design schools, V.N.S.G.U. conceptualized an Institute of Arts and Design under one roof envisaging a synergetic exchange between the two.

Contemporary development in the society has given rise to new social order and hence, expression and philosophy. The initiation of the Dept. of Architecture has been seen as a task to stimulate the society through arts, or object based solutions or comprehensive, all encompassing built environment.

With an offer of funding for an Architecture college from a private donor, V.N.S.G.U. decided to start by building a new structure for the same in a newly allotted piece of land within the campus.

The Department thus started in 2011 and has now completed 10 years. Five Batches have already completed the program successfully.



Vision of the institute:

To be an institute of excellence in higher and technical education segment, sensitive to its regional needs and changing global realities.

Mission:

Architecture is perceived as a manifestation of the **interrelationship** of man, society, technology and environment.

The Mission of the institute is thus, to **impart quality education** and **sharpen skills** of the students with respect to their area of interest within the domain of architecture by providing opportunity through **flexible pedagogy**.

Teaching **pedagogy:**

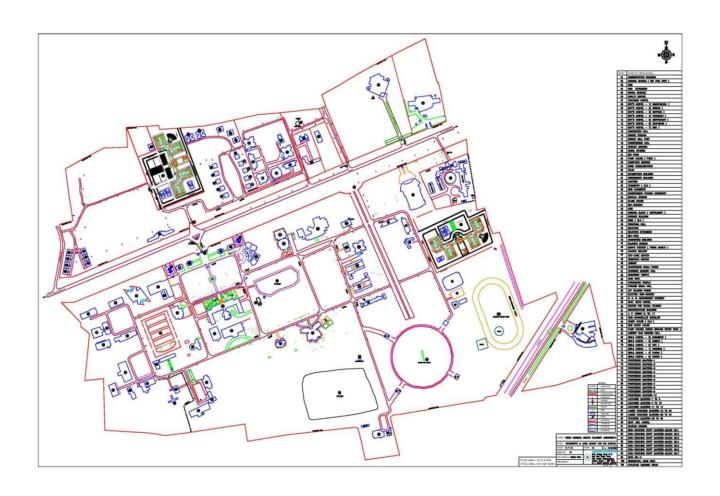
The under Graduate Program of Architecture is comprised of principally four areas of studies. Humanities technology design and communication. Study of humanities explains human as an individual group and as a society. It involves throughout understanding of human needs and aspirations comprehensively at all stages of life. This leads to determination of programmatic requirements for desired built environment.

While technology related subjects like structures, building construction, services and others explain the students how to actually build as per requirements, utilising materials and applying appropriate construction technology on site in order to achieve required structural strength and stability.

Learning of design is to understand the problem first, as a need for building and then to provide solution for the same. The process involves understanding programmatic requirements for desired building, choice of suitable materials and construction technology. Various permutations and compositions of built masses are explored to achieve the best built form to be constructed on site. Which is functional, visually appealing, affordable, safe and best suitable to be used for the given purpose.



VNSGU Campus: Master plan







INFRASTRUCTURE AT INSTITUTE CAMPUS

Studios
Workshops
Department Library
Computer lab
Material lab
Climatology lab
Engineering lab

Model making room
Seminar room
Boys' room
Girls' room
Amphitheatre
Construction Yard
NASA room

INFRASTRUCTURE AT UNIVERSITY CAMPUS

Amphitheatre
Art Gallery
Central Library
Convention hall
Health Center
Bank and ATM
Basketball Ground
Canteen
Cricket Ground
Employment Bureau
Guest House

Synthetic Athletic track
Football Ground
Boxing Ring
Multipurpose Hall
Hockey Ground
Indoor Swimming Pool
Boys' Hostel
Girls' Hostel
Indoor Sports Complex
Narmad Smruti Bhavan
Rcc Dome



DETAILS OF PHYSICAL **INFRA**STRUCTURE:

Studio Class room Labs and Workshops Computer Centre Art Court Multipurpose Hall Resource Centre Library Submission & Exam Room Girls' Common Room Boys' Common Room Staff Rooms / Cabins Staff Lounge Principal's Cabin Administrative Office Toilets Construction Yard Record Room Store Room	800 Sq.Mt. (08 Nos.) 629 Sq.Mt. (09 Nos.) 274 Sq.Mt. (05 Lab) 67 Sq.Mt. 557 Sq.Mt. 178 Sq.Mt. 104 Sq.Mt. 205 Sq.Mt. 167 Sq.Mt. 68 Sq.Mt. 67 Sq.Mt. 139 Sq.Mt. 139 Sq.Mt. 153 Sq.Mt. 72 Sq.Mt. (Boys-03, Girls-03) 192 Sq.Mt. 15 Sq.Mt. 15 Sq.Mt.
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Other Activity Spaces	1023 Sq.Mt.
Canteen (Sharing with M.Sc.I.T. Dept. in Campus)	

Total Built-up Area: 4824 Sq.Mt.

Parking facility for Students and Faculty

Stationary Shop





Library Facilities

- The Department Library is 205 Sq. mts. and is located within the building.
- Apart from the Librarian, the Department has given library management responsibilities to a team of faculty for constant monitoring and up gradation.
- Twice a year, display is held by various University approved book vendors so that both students as well as faculty can add to the library resources.
- The details of books, periodicals and text books are as follows:

Books and Text Books:

a) Books Titles : 2733 b) Books Volume : 3093

Journals:

a) International : 03 b) National : 12

c) E Journals : 6(5422)

d) Media Library : 357 e) Pc with Internet : 14



IT Infrastructure

- The Department has its own Computer Lab facility of 67
 Sq. mts. and is located within the building.
- The curriculum has lot of technical subjects which are software based and the classes are conducted in the Computer Lab itself, which has a projection facility as well to conduct lectures and seminars.
- Moreover, every faculty in the Department has their own computer at the desk, with networking as well as internet facility, provided by the University.
- Information Security: All the computers are connected via LAN connectivity and each single PC's has unique user name & password for access. In computer lab Online UPS inverter with 16 nos. Battery for power back-up & for controls any power fluctuation in Computer Lab.
- **Network Security:** Quick Heel Internet Security 2017 Antivirus installed in All PC's for network security. Assign each single computers unique user name & password.



IT Infrastructure

IT Service Management

- IBM PC Server- 01
- Acer PC Server 01
- Lenovo PC 50
- Acer PC 25
- Brother Printer 02
- Aficio MP C 2030 Ricoh Printer 01
- HP LaserJet Printer 03
- Projector 09
- IP Camera Dlink 02
- IP Camera Hick Vision 02
- Projector Screen 01
- Canon Printer 01
- Ethernet Switch 18 ports-01, 24 Ports-01, 24 Port 01
- External Hard Drive Toshiba 1
- Network Router 01
- CCTV Camera 45
- Arvi make 75 KVA192 V DC Online UPS System 01
- UPS APC 27
- Sound System with 02 no's wireless Microphone 01
- Web Camera 26
- Head Phone Acer 26
- Router TP Link 01
- Router E 300 D Link 01



IT Infrastructure

Software Asset Management

- Quick Heal Total Internet Security 2017 -50,
- Infblinet Soul Software for Library,
- Zen E TDS Software TDS Return File,
- Microsoft Window-7,
- Microsoft Office-2007,
- Tally Account , Software,
- Revit Program Software,
- E Time link Attendance Software,
- Auto cad Software,
- Adobe Photoshop Software,
- Coral Draw Software,
- Student Enrolment Software

Risk Management

Fire extinguisher cylinders fitted in Admin office, Computer Lab, Library for cover fire related risk. We used UPS inverter with 16 nos. battery for control any power fluctuation in Computer Lab.



DEPARTMENT OF ARCHITECTURE (SF)TEAM OF **FACULTIES**

Ar. Rajesh Mehta **Principal**

Ar. Rajesh Mehta is one of the most renowned architects and Academicians in India, having professional Experience of more than 25 years and recipient of numerous Awards of National and International recognition for his work. His professional body of work involves international Projects with Commonwealth Local Government Forum (CLGF) and projects of national recognition with Government bodies and MNCs. He is appointed as member of national committees of Board of Architectural Education and Board of Examination by The Indian Institute of Architects (IIA) He is serving VNSGU as the Principal of GCPIA, Dean of faculty of Architecture and design, Chairman of Board of Studies (BOS), Member of Board of Teachers (BUT) and other committees and subcommittees of the university departmental works.





Dr. **Dharmesh** Jurmalani Professor



Associate Professor

He graduated from BVBCET, Karnataka and his inclination towards Urbanism instigated him to undertake Master's degree in Urban Design from the Centre for Environmental Planning and Technology (CEPT), Ahmedabad, India. Further, his increasing fetish to explore urbanism beyond its material and design aesthetics prompted him to pursue MSc in City Design and Social Science (Cities Program) from London School of Economics, UK.

DEPARTMENT OF ARCHITECTURE (SF)TEAM OF FACULTIES



Ar. **Nirav** Shah B.Arch, M.Arch Landscape **Associate Professor**

Ar. Nirav Shah, Associate Professor, is a Permanent core Faculty at the institute since 2015. Have secured his graduation from SCET, Surat in 2000 and completed his Master in Landscape Architecture from CEPT, Ahmedabad in 2003. Before joining academics, he has won several national level awards for his works. He is an associate member of ISOLA and various other professional institutes.



Ar. **Anand** Kapadia M.Tech., PGDSS, IGNOU **Associate Professor**

Anand Kapadia is an Associate professor in the department of Architecture at VNSGU. He also serves as Coordinator for Master of Urban and Regional Planning PG program at the same department. He has been imparting his service in teaching for last 10 years. He has also been a visiting faculty at various design institutes. Apart from teaching he has variety of experience in the field of Architecture, Urban Planning and transportation Planning. He has keen interest for research in the area of Sustainable Urban Planning.



Ar. **Birva** Gandhi B. Arch, M. Arch. (City design) **Associate Professor**

Birva Gandhi is an Architect and a city designer having keen interest in architectural research and literature; as well as urban Housing and its dynamic components. She is serving VNSGU as an Associate professor, as well as VNSGU recognised PG teacher for the masters program of Urban and Regional Planning, Having professional experience of 2 years and teaching experience of more than 10 years.



DEPARTMENT OF ARCHITECTURE (SF)TEAM OF FACULTIES



Dr. **Aditya** Contractor B.E., R.E.C., M.Tech, Ph.D. **Assistant Professor**

Dr. Aditya N Contractor[B E CIVIL, M TECH (S.M.F.E.), EMBA (Construction Management), MSc (Real Estate Valuation), PhD in Civil Engineering] is VNSGU recognized UG Teacher for Bachelor of Architecture And PG Teacher for "Landscape Architecture" and "Urban & Regional Planning". Member of Board of Studies(BOS) of Faculty of Architecture and Design, VNSGU. He has approximately 13 Years of Teaching and Professional Experience and also associated with professional bodies like ICEA, ISTE, etc.



Ar. **Heta** Patel B.Arch., M. Arch. Landscape, UK **Assistant Professor**

Ar. Heta Patel, has been associated with the department of Architecture since 2011, as a permanent Assistant Professor. She has done her Bachelor in Architecture from SCET, Surat in 2007 and completed Master in Landscape Architecture from UEL, London in 2010. She has an experience of 14 years in the field of Architecture and Landscape. She has a keen interest in exploring innovative Art techniques and is Founder and Instructor of 'Vinyasa' (Kinesics), since 2016.



DEPARTMENT OF ARCHITECTURE (SF)TEAM OF FACULTIES



Ar. **Darsin** Patel B.Arch **Assistant Professor**

Darsin Patel is an architect, specialized in sustainable systems and climate responsive architectural design solutions with inclination towards application of ecofriendly materials and innovative construction technology.

Darsin is an assistant professor at GCPIA and VNSGU recognized UG teacher, having more

than 7 years Teaching Experience.



Ar. **Harsh** Patel B.Arch **Assistant Professor**

Harsh is an architect, having keen interest in the field of design, architecture and education with focus on product, element and interface design. While studying at CEPT University (India) he developed his interest in design and making with material exploration and application. He engaged himself in to research and evolution of flexible, adaptable and portable systems, while studying at AKBILD (Institute for Art and Architecture, Academy of Fine Arts Vienna). He is furthering his inclination by taking deep interest towards computational design and digital fabrication, and its application in the field of design and education.



Ar. **Bharat** Prajapati B.Arch, M.Arch (Urban Design) **Assistant Professor**

Ar Bharat Prajapati is an Assistant Professor and VNSGU recognized PG teacher for Master in Urban and Regional Planning Course. He has more than 3 years of Professiona and 5 years of Teaching Experience.





DEPARTMENT OF ARCHITECTURE (SF)TEAM OF FACULTIES

ACADEMIC RESOURCE POOL

Fulltime Contract Based Faculty

- 1. Ar. Kiran Pandya (Dip. Arch) | **Design Chair**
- 2. Ar. Krunal Biskitwala (B.Arch, M.Arch (City Design)
- 3. Ar. Himani Vashi (B.Arch.)
- 4. Ms. Dipti Batlawala (M.V.A. (Graphic Arts/Print Making))
- 5. Ar. Chintan Shah (B.Arch, M.Arch(City Design)
- 6. Ar. Dhruvita Mahida (B.arch, M.arch)
- 7. Ar. Sonal Bubna (B.arch, M.arch)
- 8. Ar. Chandni Patel (B.arch, M.arch)
- 9. Mr. Vivert Parekh
- 10. Er. Dhruti Nanavati (B.E.)



DEPARTMENT OF **ARCH**ITECTURE (SF) TEAM OF **FACULTIES**

Visiting Faculty

- 1. Dr. Leena Garg (B.Arch, M. Plan, Ph.D)
- 2. Ar. Mahendra Gusain (B.Arch)
- 3. Ar. Viren Mahida (B.Arch)
- 4. Mr. Mehul Patel (M.V.A/Sculpture, B.V.A)
- 5. Ar. Neha Panchal (B. Arch, M.Arch)
- 6. Ar. Diggaj Shah (B.Arch)
- 7. Er. Aditya Bhatt (B.Tech)
- 8. Ms. Hetashri Kalyani
- 9. Ar. Prashant Manani (B.arch)
- 10. Dr. Kavita Sharma (Ph.D)
- 11. Ar. Gira Vyas (B.Arch, M.Arch)

Non Teaching Staff

- 1. Chaudhari Trupti Rameshbhai Administrative Personnel
- 2. Desai Ketan Kanjibhai Administrative Personnel
- 3. Patel Rakesh Ratilal Administrative Personnel
- 4. Patel Rinkesh Napinbhai Administrative Personnel
- 5. Solanki Nilesh Kiritbhai Librarian
- 6. Dharmendra Maganbhai Valavi Peon
- 7. Patel Divyang Narendrabhai Peon
- 8. Gouda Prabhakar Gardener





DEPARTMENT OF **ARCH**ITECTURE (SF) **CURRICULUM** ASPECTS

The college ensures effective curriculum delivery and development on the curriculum provided by the university and facilitates the grooming of higher order cognitive skills such as critical analysis, problem-solving, evaluation and synthesis by:

- Preparing Academic Calendar and Schedule of work
- By integrating Hands-on work experience in almost all the practical subjects
- Organizing Industrial Visits
- Assigning projects
- Holding national and international seminars
- Organizing workshops
- Organizing Guest Lecture
- Panel discussions on issues of regional, national and global significance
- Organizing interdisciplinary and interdepartmental programmes

Moreover, the Regular formal Board of Studies meetings conducted by the University and informal departmental meetings throughout the academic sessions help the faculty to keep themselves abreast of the latest trends in their fields of study.



DEPARTMENT OF **ARCH**ITECTURE (SF) **B**ACHELOR OF **ARCH**ITECTURE, CURRICULLUM & STUDENTS' WORK

First Year

SEMESTER I

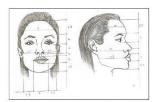
- Architectural Design Studio I
- Architectural Graphics Skills I
- Building Material and Construction Technology I
- Structural Design and System I
- History Of Culture I
- Climatology and Environmental Studies
- Communication Skills
- **Ele**ctive **I**
 - I. Traditional and Contemporary Crafts
 - II. **Sculpture** and **Ceramic** Workshop

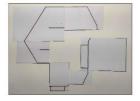
SEMESTER II

- Architectural Design Studio II
- Architectural Graphics Skills II
- Building Material and Construction Technology II
- Structural Design and System II
- History Of Culture II
- · Surveying and Leveling
- Photography
- **Ele**ctive **II**
 - I. Communication Skills
 - II. Performing Arts

SEMESTER I | Architectural Design Studio













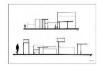
























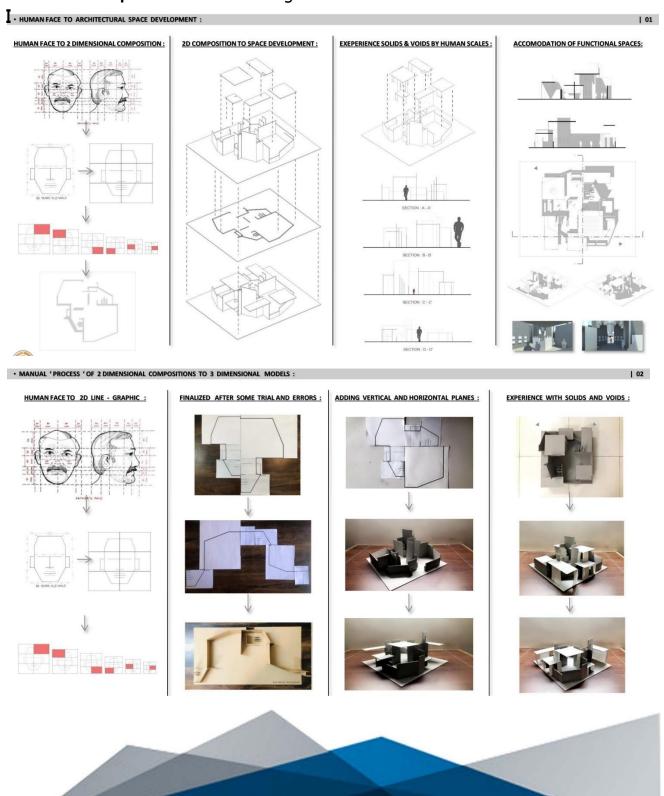






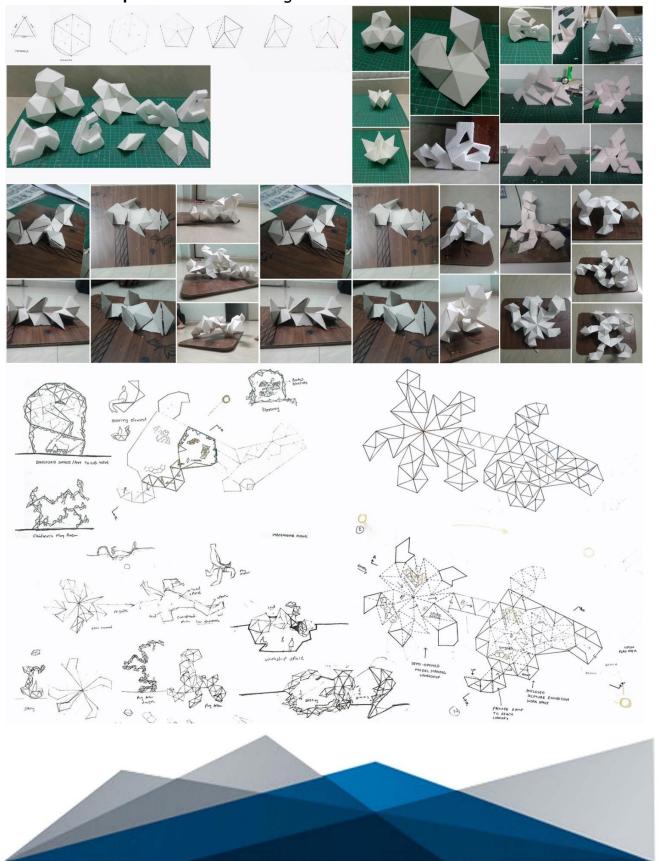


SEMESTER I | Architectural Design Studio





SEMESTER II | Architectural Design Studio II

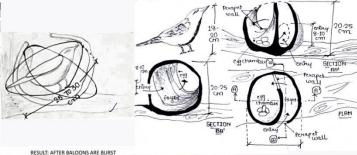




SEMESTER II | Architectural Design Studio



















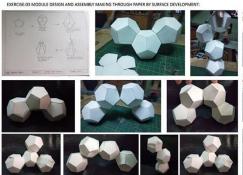








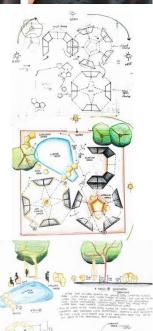
















DEPARTMENT OF **ARCH**ITECTURE (SF) **B**ACHELOR OF **ARCH**ITECTURE, CURRICULLUM & STUDENTS' WORK

Second Year

SEMESTER **III**

- Architectural Design Studio III
- · Architectural Graphics Skills III
- Building Material and Construction Technology III
- Structural Design and System III
- History Of Culture III
- History Of Architecture I
- Building Services and Equipment I
- Elective III
 - ${\bf I}.$ History of ${\bf Arts}$ and ${\bf Literature}$
 - II. Advance Graphics

SEMESTER IV

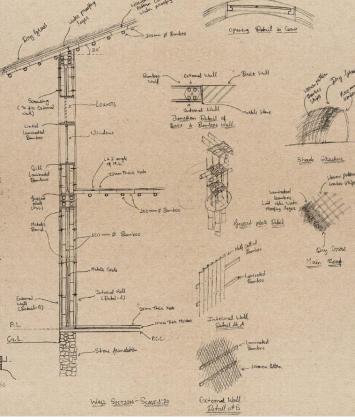
- Architectural Design Studio IV
- Architectural Graphics Skills IV
- Building Material and Construction Technology IV
- Structural Design and System IV
- History Of Architecture II
- Building Services and Equipment II
- Interior Design
- Elective IV
 - I. **Sustainable** Architecture (PSA)
 - II. Traditional Architecture

SEMESTER III | Architectural Design Studio III







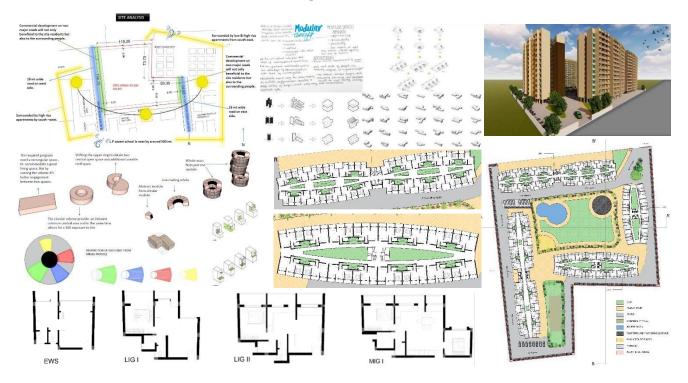




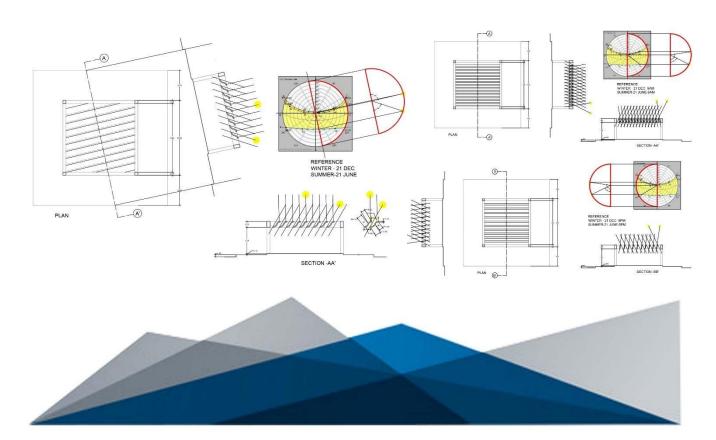




SEMESTER IV | Architectural Design Studio IV



SEMESTER IV | Architectural Graphic Skills IV





DEPARTMENT OF **ARCH**ITECTURE (SF) **B**ACHELOR OF **ARCH**ITECTURE, CURRICULLUM AND STUDENTS' WORK

Third Year

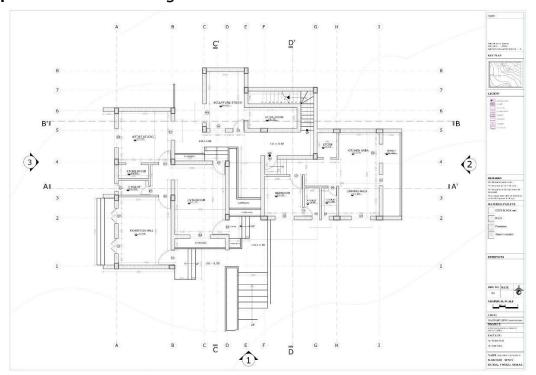
SEMESTER V

- Architectural Design Studio V
- Building Material and Construction Technology V
- Structural Design and System V
- Building Services and Equipment III
- History Of Architecture III
- Estimation Costing and Specifications
- Research Methodology
- Elective V
 - I. Furniture and Product Design
 - II. Garden Landscape and Street Furniture

SEMESTER VI

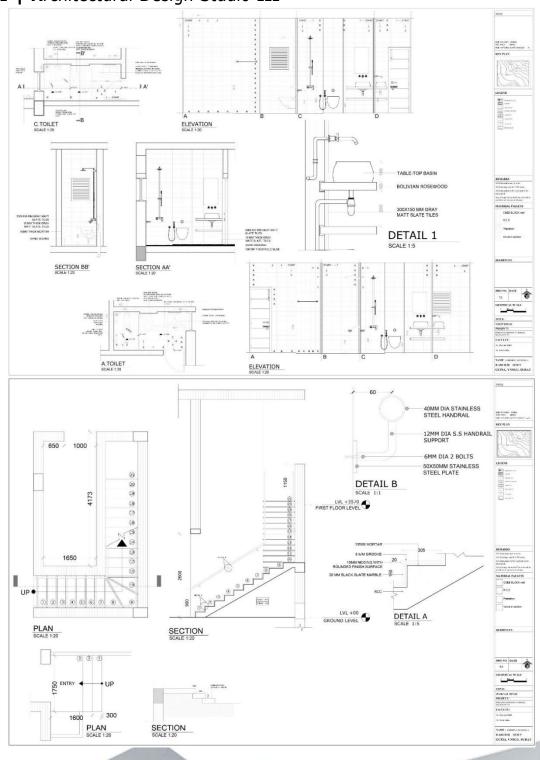
- Architectural Design Studio VI
- Building Material and Construction Technology VI
- Structural Design and System VI
- History Of Architecture IV
- · Landscape Design
- Basics of Construction Management
- Housing and Community Planning
- Elective VI
 - I. Architecture Journalism
 - II. Art in Architecture

SEMESTER V | Architectural Design Studio V



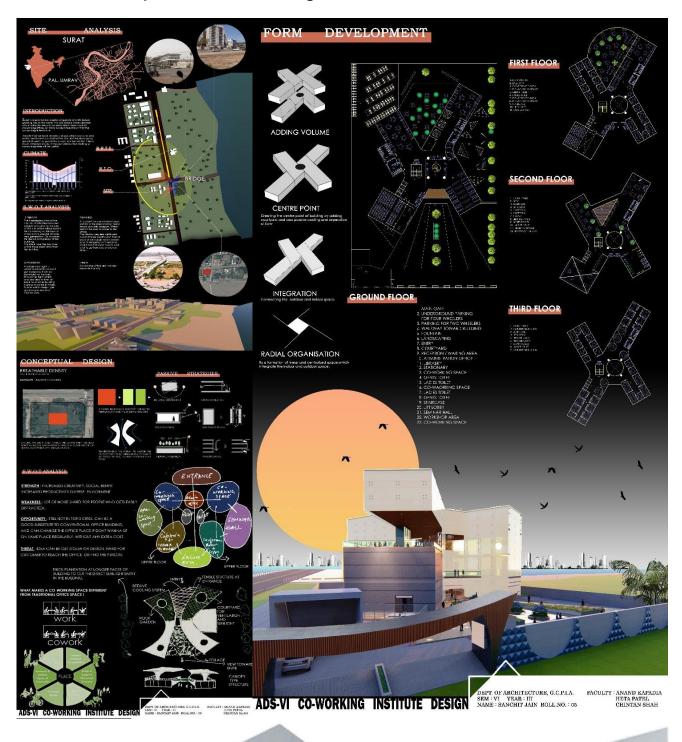


SEMESTER III | Architectural Design Studio III





SEMESTER VI | Architectural Design Studio VI





DEPARTMENT OF **ARCH**ITECTURE (SF) **B**ACHELOR OF **ARCH**ITECTURE, CURRICULLUM & STUDENTS' WORK

Fourth Year

SEMESTER **VII**

- Architectural Design Studio VII
- Building Material and Construction Technology VII
- Advanced Structural Design and System
- Advanced Services
- Research Skills and Project Introduction
- Urban and Regional Planning
- **Ele**ctive VII
 - I. Disaster Management
 - II. Intelligent Buildings

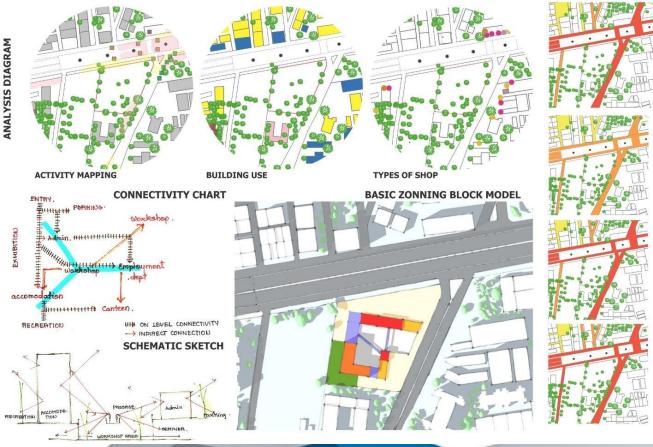
SEMESTER **VIII**

Professional Training

(For semester VII compulsory training of 17 weeks required under a COA registered Architect in India or equivalent in foreign countries. Submission of 17 weeks work in form of a portfolio is mandatory along with Architect's certificate at the time of Vivavoce, to continue the IX th semester Training)

TRAFFIC ANALYSIS

SEMESTER VII | Architectural Design Studio VII





SEMESTER VI | Architectural Design Studio VI



MASSING ON SITE WAS DONE IN A WAY THAT THE CLEAR VISION IS AVAILABLE FROM EVERY PERSPECTIVE ONE CAN GET VISUALLY INVOLVED FROM FLYOVERS AND SIDE ROADS.

OTHER IS MAXIMUM SHADED PORTION IS AVAILABLE TO CARRY OUT

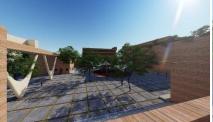


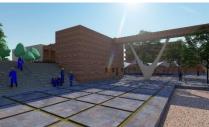
















DEPARTMENT OF ARCHITECTURE (SF) BACHELOR OF ARCHITECTURE, CURRICULLUM & STUDENTS' WORK

Fifth Year

SEMESTER IX

- Architectural Design Studio XI (Research Thesis)
- **Professional Practice**
- Universal Design
- Elective
- **Building Science** I.
- II. Social Science and Architecture
- III. **Humanities** and Architecture
- IV. Art and Design

SEMESTER X

- Architectural Design Studio X (Design Thesis)
- **Professional Practice**
- Elective VIII
- I. **Architectural Conservation**
- II. **Urban** Design

SEMESTER IX | Architectural Design Studio IX (Research Thesis)

UNDERSTANDING THE ROLE OF ARCHITECTURE AND PLANNING TO APPROACH RURAL DEVELOPMENT IN INDIA:

A study to understand and uplift the socio-economic aspects of the rural areas -A step towards the better future.

- This research identifies and considers ways in which architecture can play its role and thus act towards community sustainability.
- Leading to upliftment of mankind and thus the country.

AIM:

Also, to incorporate different criteria by which one can actually analyse and understand the current scenario and its impact on planning and architecture.

TRADITIONAL WAY OF LIVING TO PROGRESSIVE WAY OF LIVING

- India lives in its villages, and while the cities have grown immensely over the last 20 years, rural areas have not seen that kind of development.

 For India's economy to be strong, the rural economy needs to grow.

 Rural areas are still plagued by problems of maliourishment, illiteracy, unemployment and lack of basic infrastructure little exchode, edges, hospitals, sanistion, etc. This has led to youth moving out of villages to out in cities.

 Hence this leads to migration, leading to issues like over population in different urban areas of the

METHODOLOGY:

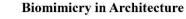
- Literature books and articles
 Statistical data analysis
- Literature case studies
 Virtual communication

QUESTIONS TO CONSIDER:

- Why rising disconnect between cities and villages?
 What is the impact of urbanism on rural development?

- Why lack of opportunities?
 Why lack of opportunities?
 Why rural areas lag behind cities in growth?
 Why the socio-economic conditions of rural areas are not developing?

G.C.P.I.A.I.F. B.Arch 2020. Research thesis | Rural development Planning & Architecture | Chapter 1 Introduction



"Biomimicry is the imitation of the models, systems, and elements of nature for the purpose of solving complex human problems; biomimicry in architecture and manufacturing is the practice of designing buildings and products that simulate or co-opt processes that occur in nature."

"The term Biomimetic architecture refers to the study and application of construction principles which are found in natural environments and species, and are translated into the design of sustainable solutions for architecture.

Living beings have adapted to a constantly changing environment during evolution through mutation, recombination, and selection. The core idea of the biomimetic philosophy is that nature's inhabitants including animals, plants, and microbes have the most experience in solving problems and have already found the most appropriate ways to last on planet Earth. Similarly, biomimetic architecture seeks solutions for building sustainability present in nature, not only by replicating their natural forms, but also by understanding the rules governing those forms.

governing those forms.

The 21st century has seen a ubiquitous waste of energy due to inefficient building designs, in addition to the over-utilization of energy during the operational phase of its life cycle. In addition to the over-utilization of energy during the operational phase of its life cycle in parallel, recent advancements in fibrication techniques, computational imaging, and simulation tools have opened up new possibilities to mimic nature across different architectural scales. As a result, there has been a rapid growth in devising innovative design approaches and solutions to counter energy problems. Biomimetic architecture is one of these multi-disciplinary approaches to sustainable design that follows a set of principles rather than stylistic codes, going beyond using nature as inspiration for the aesthetic components of built form, but instead seeking to use nature to solve problems of the building's functioning and saving energy."

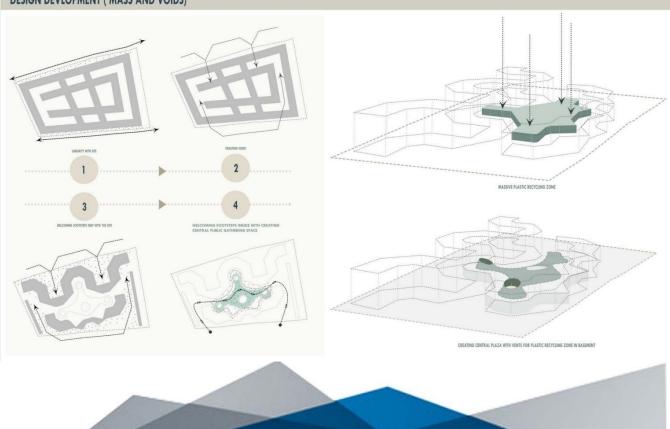


GCPIAIF | B. Arch Nov - 2020 | Research Thesis | Biomimicry & Contemporary Parametricism | Biomimicry in Architecture





DESIGN DEVLOPMENT (MASS AND VOIDS)





SEMESTER X | Architectural Design **Studio** X





Related Study Programs:

2012 Rural settlements of Dediyapada
2013 Rural settlements of Gir national park
2013 Old town of Udaipur
2014 Old town of Maheshwar
2014 Ghats and streets of Ujjain
2014 Monuments and streets of Bhopal
2014 Calcutta
2014 Delhi
2015 Rural settlements of Karwar
2015 Old town of, Gokarna
2015 Rural settlements and old town ,Udupi
2015 Goa
2016 Dutch cemetery, Surat (As part of AGS III)
2017 Jaisalmer
2018 Pondicherry
2019 Varanasi
2020 Rural settlements of Wankan, Dang
2020 Jaipur



RSP - Wankan, Dang Introduction

Related Study Programme for the 1st year includes visit and documenting a place for understanding the basics of architecture which includes climatic and cultural study of the particular place. Its includes documentation, measure draw and photography. This year the students visited Wankan, Dang district to study the lifestyle of people and surrounding environment. The houses there are made by the people themselves according to their need and using the natural and local materials. The students were given a chance to explore the lifestyle by living there with the people and sharing their life values. The documentation were transferred into the form of drawings later.



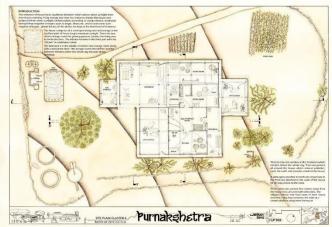


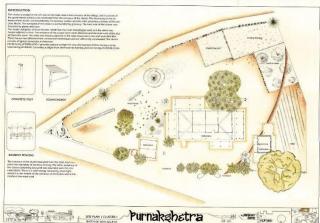


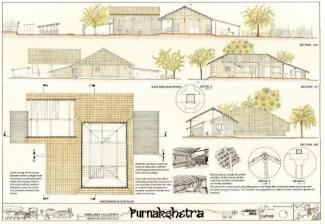


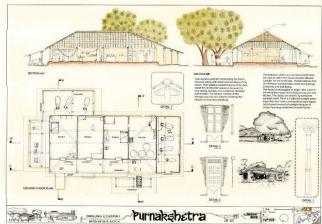


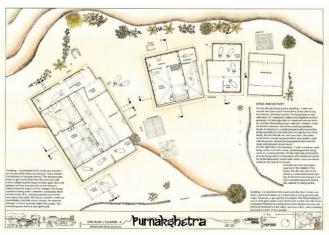
RSP - Wankan, Dang

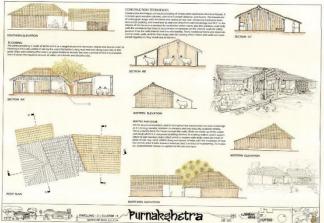








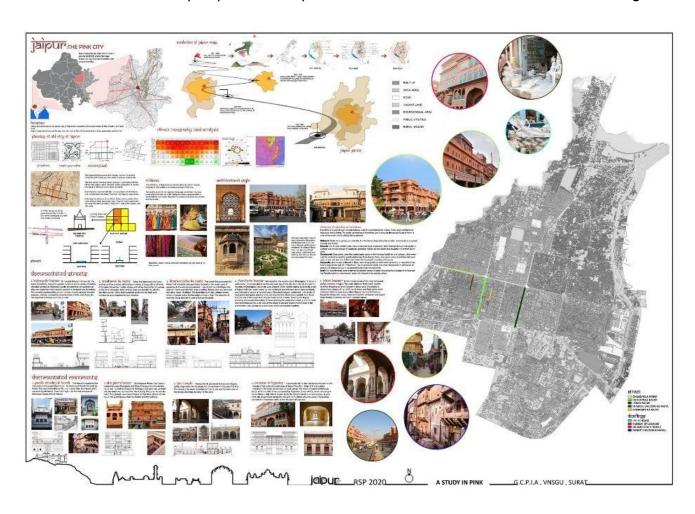






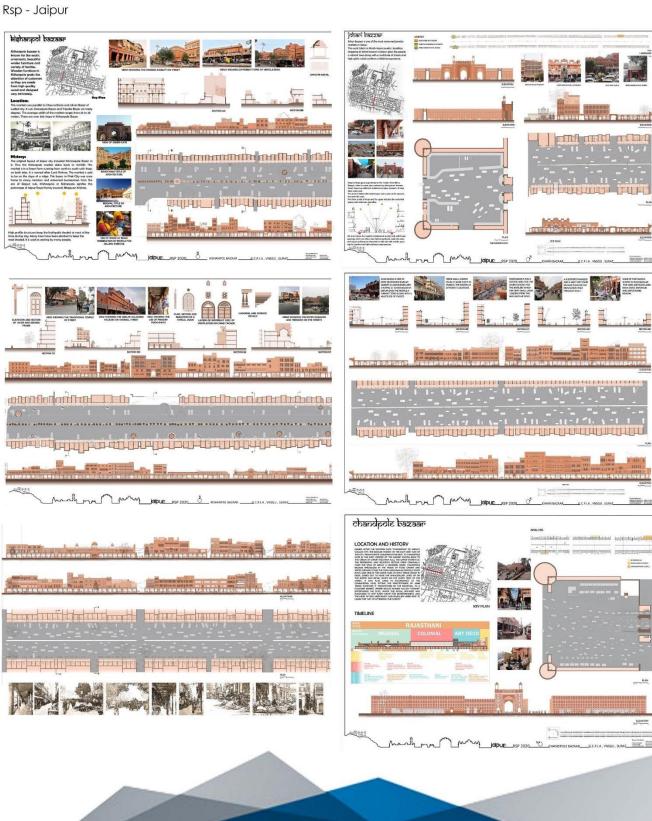
RSP - Jaipur

Related Study Programme, a part of academic curriculum includes visiting a place to study the vernacular architecture, construction techniques, climatic as well as cultural study through documentation, measure draw and photography. RSP – 2020 included students of second and third yeah who visited Jaipur which is one of the UNESCO heritage City. The students studied Jaipur in terms of Urban Planning and also the climatic responsive buildings there. They had measure drawn the streets of pre planned city and later transformed it in form of drawings.











DEPARTMENT OF **ARCH**ITECTURE (SF) MASTER IN **ARCH**ITECTURE (LANDSCAPE ARCHITECTURE), CURRICULLUM & STUDENTS' WORK

First Year

SEMESTER I

- Landscape Architecture Studio I
- Plants Systematics, Plant Processes and Field Study
- Theory of Landscape Architecture I
- Site Planning and Landscape Engineering I
- Environmental Legislation and EIA
- Sustainability and Energy Conservation in Landscape Architecture

SEMESTER **II**

- Landscape Architecture Studio II
- Plants and Design
- Theory of Landscape Architecture II
- Site Planning and Landscape Engineering
 II
- Urban Governance
- Geo-informatics for Landscape Architecture

SEMESTER I | Plants Systematics, Plant Processes



Identification of Physiological Characteristics: Case study M. S. University Botanical Garden



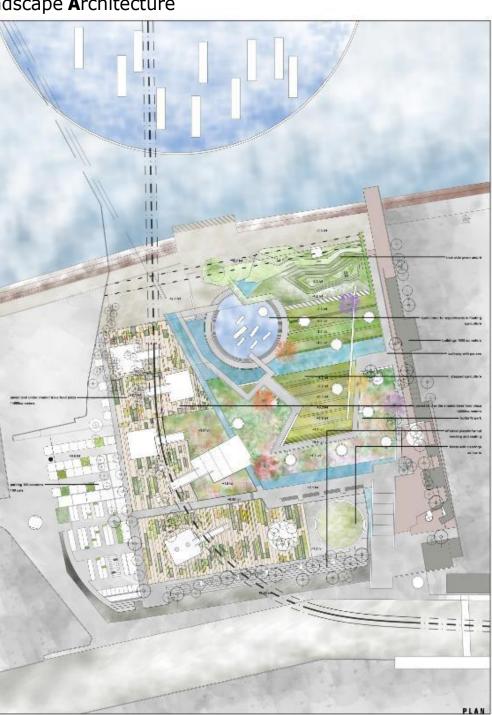
SEMESTER **I** | Landscape Architecture





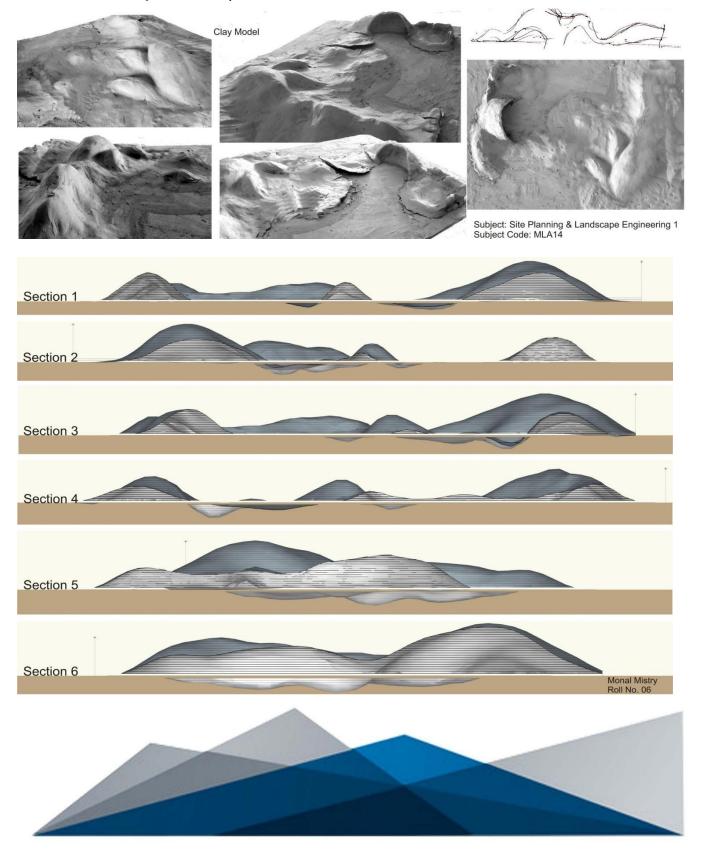






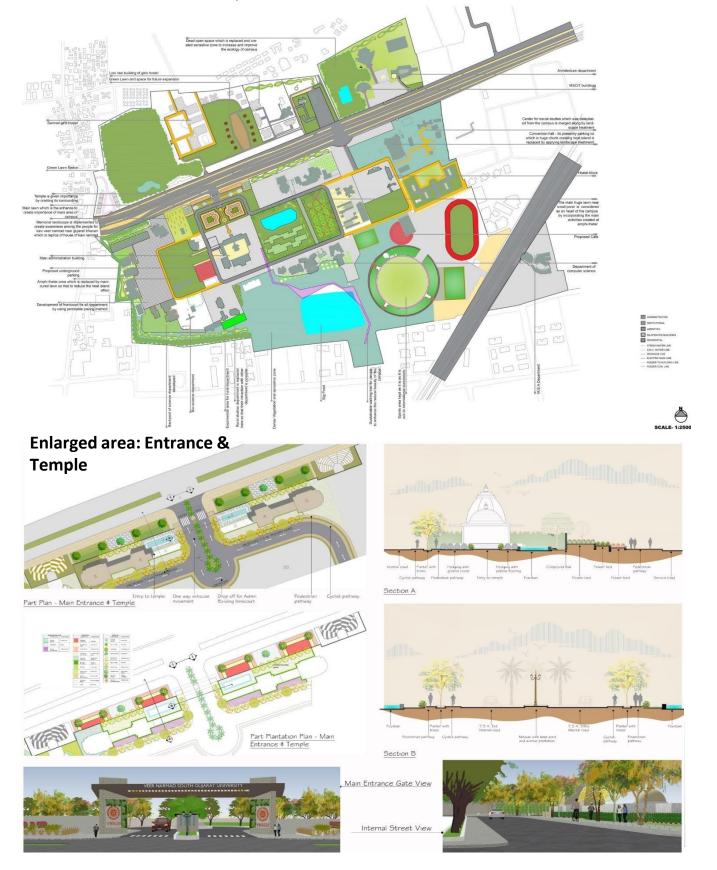


SEMESTER I | Landscape Architecture Studio I





SEMESTER II | Landscape Architecture Studio II





SEMESTER II | Landscape Architecture Studio II







DEPARTMENT OF **ARCH**ITECTURE (SF) MASTER IN **ARCH**ITECTURE (LANDSCAPE ARCHITECTURE), CURRICULLUM & STUDENTS' WORK

Second Year

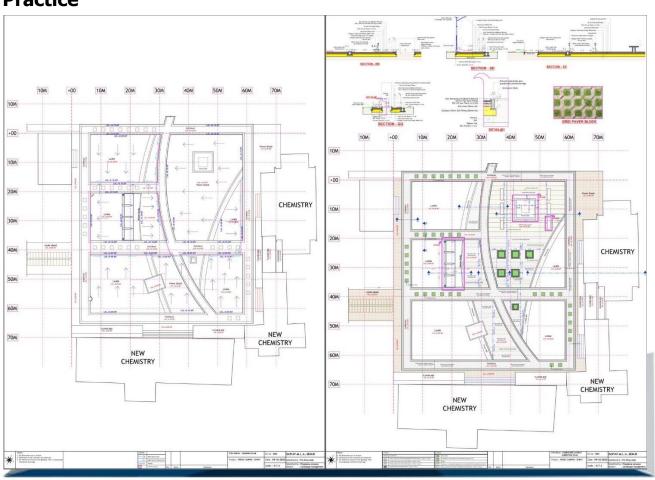
SEMESTER **III**

- Landscape Architecture Studio III
- Landscape Project Management and Professional Practice
- Geology & Edaphic parameters
- Ecology and Ecosystem Analysis
- Landscape Economics Management and horticultural practice
- · Research Methodology

SEMESTER IV

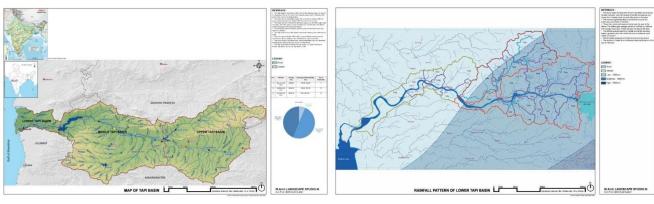
- Thesis
 - Landscape Architecture thesis will consist of **two** parts:
 - (a) Research oriented towards establishing a strong theoretical background for the chosen subject.
 - **(b) Application** to a Landscape Planning or Landscape Design proposal with appropriate details.

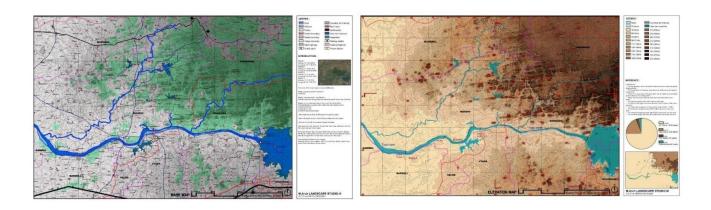
SEMESTER III | Landscape Project Management and Professional Practice

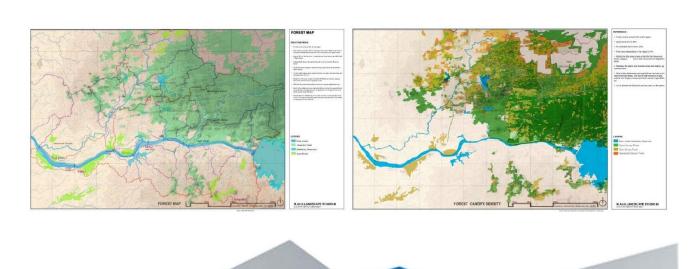




SEMESTER III | Landscape Architecture Studio III



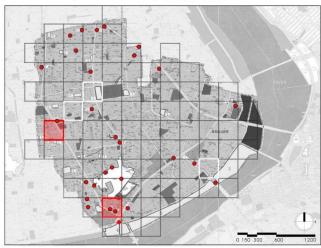






SEMESTER **IV | Thesis**

Model Tot-Lot (ADAJAN WARD NO 27)



Model Tot-Lot

- Size 50sqm 125sqm
 Distance at 300m
 Density 6 to 15 nos. every neighbourhood; total 750sqm minimum
 Guidelines/Standards Existing URDPFI standard of 20nos. tot lots for 5000 population

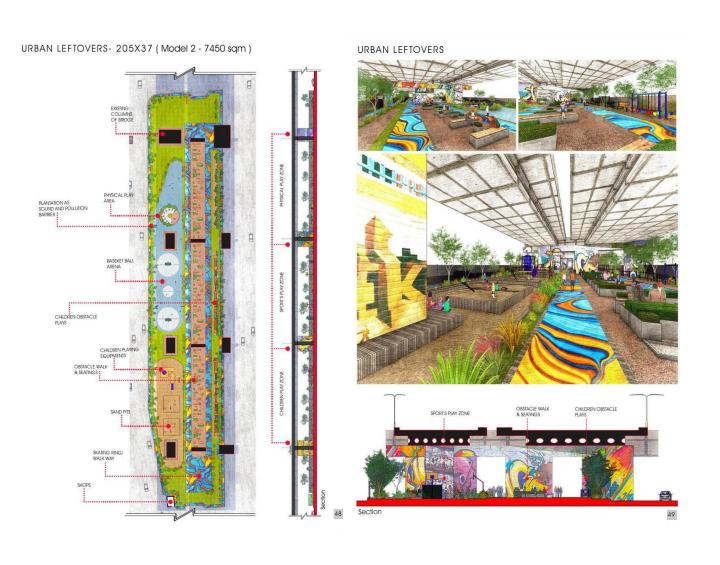
- Must have: Accessible footpaths \ Natural ground / Soft surface play area Resting equipment / Shade / Fencing / Green / planting area
- · Should have: Play equipment / Lighting
- Good to have: Visually porous fencing / Special play equipment / Plants Toilets / Lactation Booth







SEMESTER IV | Thesis





SEMESTER **IV | Thesis**





DEPARTMENT OF **ARCH**ITECTURE (SF) MASTER OF **U**RBAN AND **R**EGIONAL **P**LANNING CURRICULLUM & STUDENTS' WORK

First Year

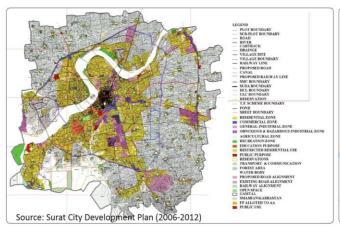
SEMESTER I

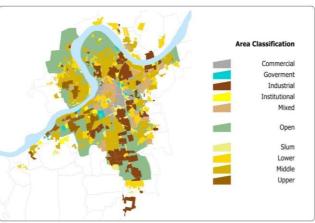
- Urban & Regional Planning Studio I
- Planning History and Theory I
- Socio-economic basis for Planning
- Planning Techniques
- Development Finance
- Planning for Tourism

SEMESTER **II**

- Urban & Regional Planning Studio II
- Infrastructure & Transportation Planning
- Housing & Environmental Planning
- Advanced Planning Techniques
- Policies and Planning
- Inclusive Urban Planning

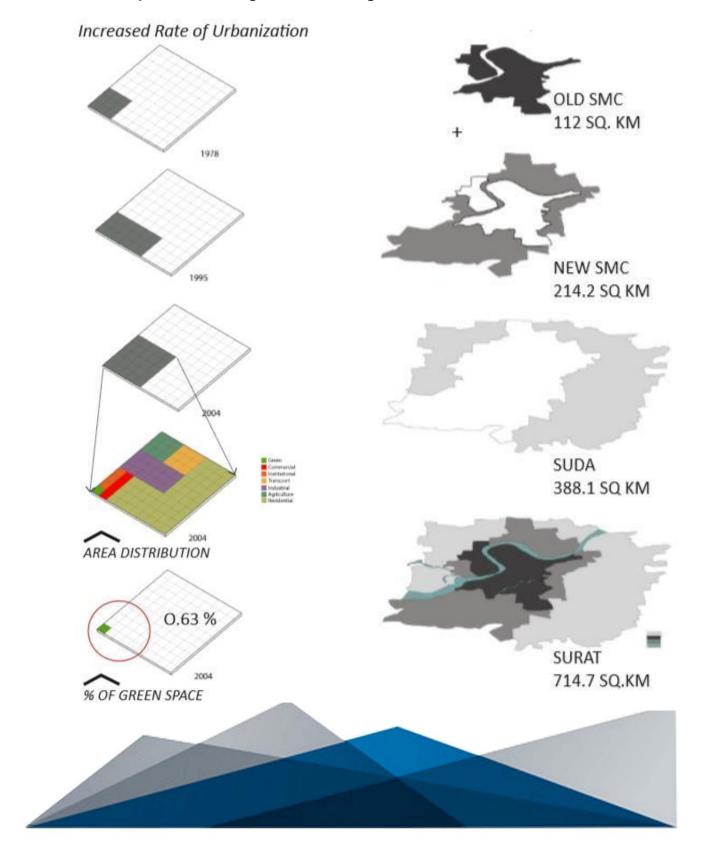
SEMESTER I | Urban & Regional Planning Studio I





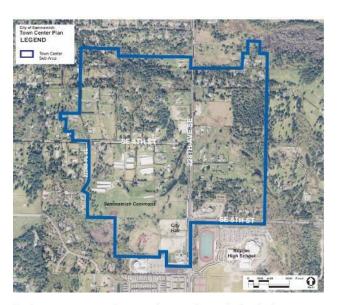


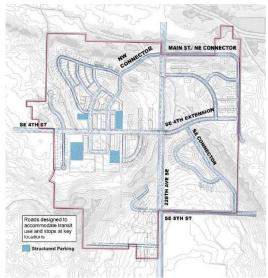
SEMESTER I | Urban & Regional Planning Studio I





SEMESTER II | Advanced Planning Techniques





lybrid = Designs

a. & trught

Guideline

Guideline

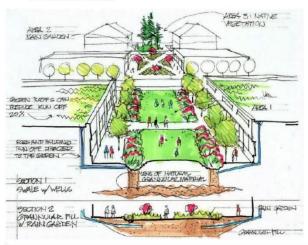
Creating

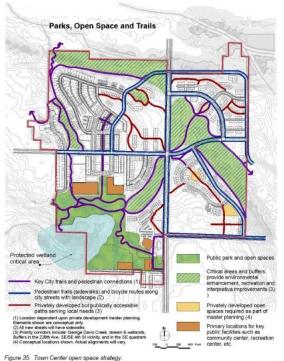
Free Types

Free Types

Below are various elements related to open spaces taken into consideration

- · "Green Spine"
- Plazas and Open Spaces in the Northeast and Southeast Quadrants
- · Residential Courts, Greens, and Gardens
- Trails and Pedestrian Walkways
- Civic Facilities
- Natural Areas





HYBRID ZONING

ADVANCED PLANNING TECHNIQUES M.PLAN., SEM-2, G.C.P.I.A., V.N.S.G.U.





DEPARTMENT OF **ARCH**ITECTURE (SF) **M**ASTER OF **U**RBAN AND **R**EGIONAL **P**LANNING CURRICULLUM & STUDENTS' WORK

Second Year

SEMESTER **III**

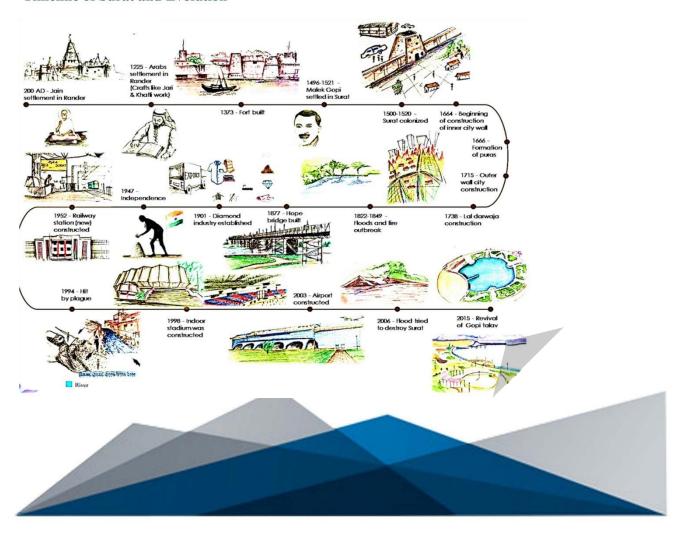
- Urban & Regional Planning Studio III
- City & Metropolitan Planning
- Urban Heritage Conservation
- Infrastructure Planning
- Urban Development Management
- Energy, Climate change & Development

SEMESTER IV

- Thesis
- · Project Planning & Management
- Legal issues & Professional Practice

SEMESTER **III** | Urban **Heritage Conservation**

Timeline of Surat and Evolution





SEMESTER **III** | Urban **Heritage Conservation**

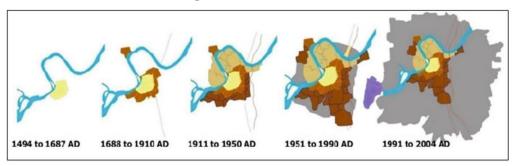


Figure 3.6 Evolution of Surat

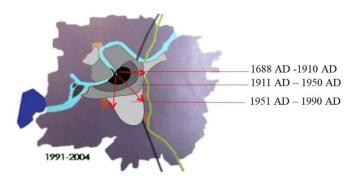
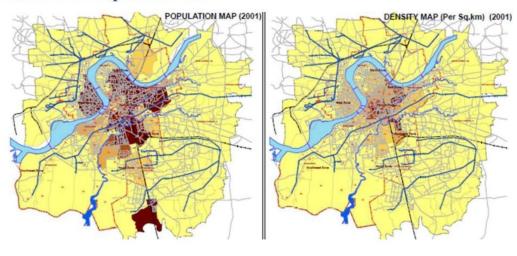


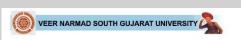
Figure 3.7 Evolution of Surat city

Surat Development Plan





SEMESTER IV | Thesis



"Urban Green Space provision in a peri-urban area of Surat"

A Dissertation submitted to
Shri Gijubhai Chhaganbhai Patel Institute of Architecture,
Interior Design and Fine Arts,
Veer Narmad South Gujarat University, Surat
for partial completion of

Master of Urban and Regional Planning

By Chaudhary Monali Manilal Enrollment No: R19120030020310002

Under the supervision of Prof. Ar. Rajesh Mehta

DECEMBER-JUNE 2021



A STUDY OF MODAL SHIFT BEHAVIOUR
TOWARDS METRO RAIL IN SOUTH-WEST ZONE,
SURAT

A Dissertation submitted to

Shri Gijubhai Chhaganbhai Patel Institute of Architecture,

Interior Design and Fine Arts,

Veer Narmad South Gujarat University, Surat

for partial completion of

Master of Urban and Regional Planning

By (BAVADIYA JAINESH SURESHBHAI) (R19120030020310001)

Under the supervision of (PROF. (DR.) ADITYA N. CONTRACTOR)

MAY-JUNE 2021



A FEASIBILITY STUDY OF THE PUBLIC BICYCLE SHARING SYSTEM IN ATHWA ZONE OF THE SURAT

A Dissertation submitted to

Shri Gijubhai Chhaganbhai Patel Institute of Architecture,
Interior Design and Fine Arts,

Veer Narmad South Gujarat University, Surat

for partial completion of

Master of Urban and Regional Planning

(HALA AKSHAYKUMAR HEMATBHAI)

(Reg.no. R19120030020310009)

Under the supervision of (PROF. (DR.) ADITYA CONTRACTOR)

MAY-JUNE 2021



"PLANNING PROPOSAL FOR ROAD SAFETY
THROUGH IRAP METHODOLOGY", A STRETCH IN
NORTH – EAST ZONE OF SURAT CITY

A Dissertation submitted to Shri Gijubhai Chhaganbhai Patel Institute of Architecture,

Interior Design and Fine Arts,

Veer Narmad South Gujarat University, Surat

for completion of

Master of Urban and Regional Planning

Priya G. Goyani
Enrollment No:
R19120030020310008

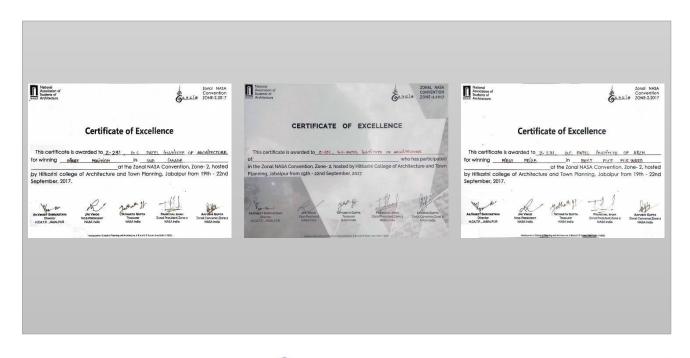
Under the supervision of (Prof. Ar. Birva Gandhi)

DECEMBER-JUNE 2021



Academic achievements





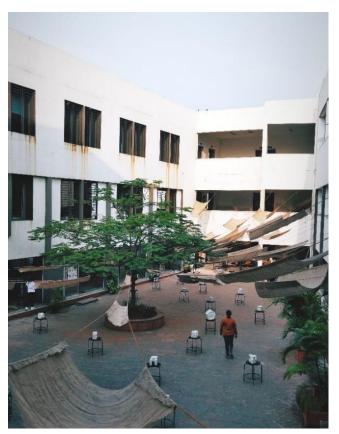


Academic achievements





Co-curricular activities









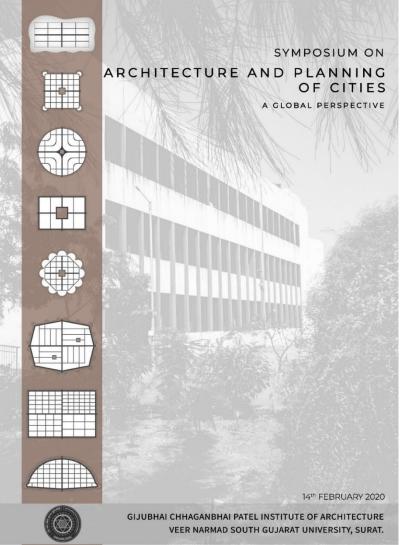


Construction workshops





Academic symposium





Prof. Neelkanth Chhaya



Prof. Utpal Sharma



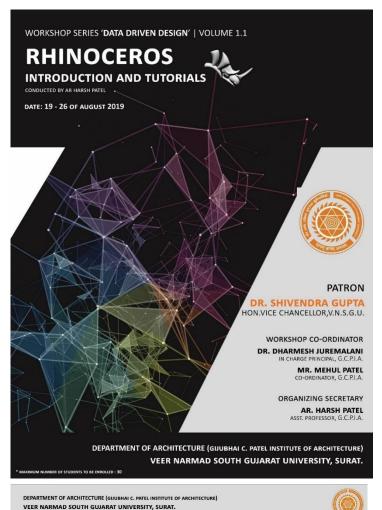
Prof. Alok Ranjan











Workshops on a**dvanced tools** & their applications in design







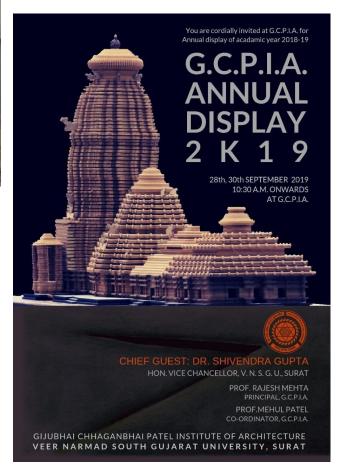






INVITING ALL THE STUDENTS AND PARENTS OF THE **GCPIA FAMILY** FOR THE NEW **ACADEMIC YEAR ORIENTATION AND EXHIBITION OF** ACADEMIC WORK ORIENTATION 2K19 CHIEF GUEST: DR. SHIVENDRA GUPTA HON. VICE CHANCELLOR, V. N. S. G. U., SURAT PROF.RAJESH MEHTA PROF.MEHUL PATEL TIME: 9:30 AM ONWARDS VENUE: G. C. PATEL INSTITUTE OF ARCHITECTURE, V. N. S. G. U., SURAT. GIJUBHAI CHHAGANBHAI PATEL INSTITUTE OF ARCHITECTURE VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

Orientation events for Fresh students



annual exhibitions



Webinars



DEPARTMENT OF ARCHITECTURE (GIJUBHAI C. PATEL INSTITUTE OF ARCHITECTURE)

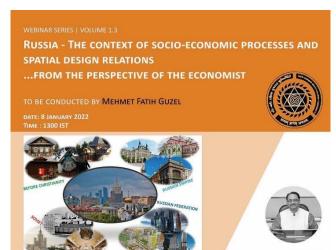
VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT.

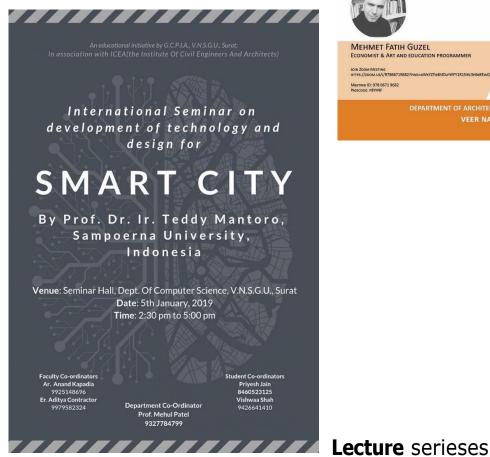
AR. HARSH PATEL ASST. PROFESSOR, G.C.P.I.A.





Webinars





VICE CHANCELLOR, V.N.S.G.U. AR. RAJESH MEHTA PRINCIPAL, G.C.P.I.A. AR. HARSH PATEL ASST. PROFESSOR, G.C.P.I.A. ECONOMIST & ART AND EDUCATION PROGRAMMER CO CONVENER MEETING ID: 978 6671 9682 PASSCODE: PBYFNF AR. HIMANI VASHI ASST. PROFESSOR, G.C.P.I.A.



Artijan























Extra curricular activities

Tree **plantation** events:







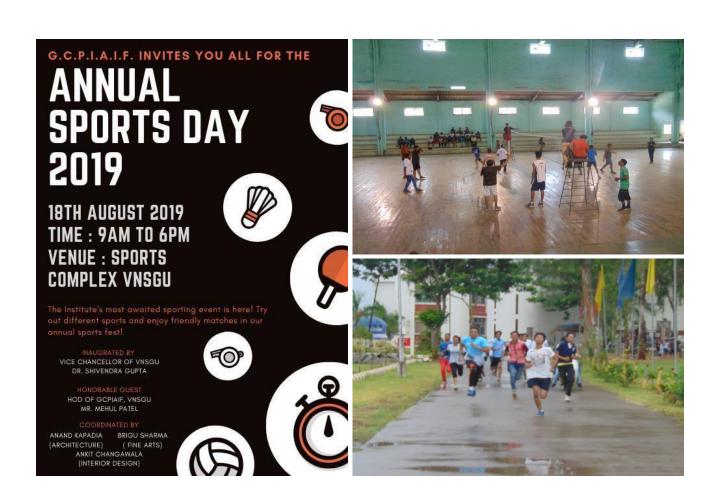








Sports events



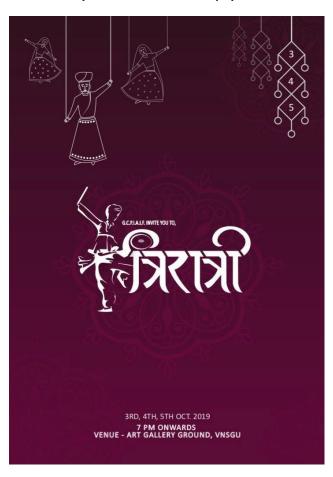


Cultural celebrations:

Triratri as a known garba festival organized by GCPIAIF every year









STUDENT **SUPPORT AND PROGRESSION**

- Anti ragging Cell: The Department has taken utmost care to ensure there is no ragging conducted on campus as well as in the hostel facilities.
- Women Development and Sexual Harassment Cell: Department has duly registered with the same and ensures the safety and security of the female students at every step.
- **Support to differently-abled students**: The Department has wheel chair facility to support and provide equal opportunity to any differently abled student that may get enrolled.
- **Students Council:** The students have themselves formed a student body in order to interact more formally with the department and faculty, regarding any issues that they may be facing. General body meetings are held few times in the year where the voice of the students is duly heard and actions are taken.
- **IQAC**: Through IQAC, socio-cultural and quality improvement programmes university is encouraging all the departments to nurture creativity and learning.
- **Grievance cell:** It has been formulated at the department to coordinate with the university exam section to help students deal with any issues related to results.
- **Extra Curricular Activities**: Students participate in various events including Navratri, Sports Day, Environmental Day etc. on a regular basis, which are organized also be them so that they develop a sense of belonging towards the department and cherish the time spent on campus.





STUDENT SUPPORT AND PROGRESSION

- The **Right to Information Act** 2005 Seminar organised by Rohit Chaudhari, VNSGU & total 33 students participated in it.
- In Powering Youth Building India's organised Youth Conclave in associated with V.N.S.G.U., Southern Gujarat Chambers of Commerce & Industries, G.D.Goenka International School & Gujarat Mitra Press. In this Workshop Ms.Anar Patel, Ms.Dipika Malik, Mr.Krishnakant Mane and Ms.Rujuta Devika conducted workshop & 10 architecture students including Mr.Mehul U.Patel (Asst.Professor) were participated.
- In association with Women Development Cell (WDC), V.N.S.G.U. Mr. Mohanbhai Patel organised Karate & Taekwondo Training Programme at University Campus and our department students participated in this Programme.
- **Swine Flue Campaign** organised by Dr. Kashyap Kharachiya and C.D. Pachhigar Homeopathic College associated with V.N.S.G.U. on 25th to 27the Feb 2015. All 250 students, Faculty members and administrative staffs participated in this awareness programme.
- MBA Department, VNSGU organised **Blood Donation Camp** at VNSGU Campus & more than 50 students (Maximum nos. of students of our department) had participated for the event.





STUDENT SUPPORT AND PROGRESSION

- Our department associated with Nature Club for catching snakes. For this purpose we organised snakes shows at our campus.
- In order to spread Environmental Awareness, the Department has planted different trees, fruits & ayurvedic vegetables on campus in the past 5 years. The department is planting 150 more trees in order to aim at a greener campus in the subsequent years.
- The department has tied up with Aruna Careing Street Animal Hospital because our campus is large and lots of dogs stay here.
 For safety of students & staffs these institute provide these dogs antibiotics.
- Promoting Sports Facilities: As a part of the sports budget, the
 Department has currently purchased 05 Cricket bats, 30 Tennis
 balls, 02 Volleyball, 06 Chess Boards, 02 Carom Boards, 02 Foot
 balls, 06 Badminton Rackets, pair of Volleyball poles, Volleyball
 net etc..
- Department participate in seminars & conferences conducted by SMC heritage cell & INTACH, New Delhi Surat chapter.



STUDENT **SUPPORT AND PROGRESSION**

SCHOLARSHIPS:

GCPIAIF being a department of VNSGU which is a state university; students studying at GCPIAIF can take benefit of following scholarship schemes:

- BCK-6.1 | Post Matric Scholarship of Government of India for SC students
- BCK-81A | Post Matric Scholarship of Government of India for OBC students
- VYK 156 | Post Matric Scholarship of Government of India for ST Girls students having annual family income more than 2.50 Lakh
- Merit Cum Means Scholarship For Professional and Technical Courses CS, of Government of India for students belonging to minority communities
- MYSY | Mukhyamantri Yuva Swavalamban Yojana

Please visit following website for further details of the scholarships:

https://www.minorityaffairs.gov.in/en/schemesperformance/scholarship-schemes

https://mysy.quj.nic.in/

