



#### Contact details:

GCPIA, VNSGU, Udhna Magdalla road, Surat. 395007 E-Mail id : gcpia.vnsgu@gmail.com Reception : +91 261 2203140





## NAME OF THE DEPARTMENT

(GJ-09) Shri Gijjubhai Chhaganbhai Patel Institute of Architecture, Interior Design & Fine Arts (GCPIAIF) Department of Architecture, Interior Design & Fine Arts, Veer Narmad South Gujarat University, Surat

## YEAR OF ESTABLISHMENT:

January 2011

## **PROGRAMS OFFERED:**

Under Graduate Program

- Bachelor of Architecture 05 years full-time self-finance degree program | since 2011-12
- Diploma in Architecture
   03 years full-time self-finance diploma program | since 2024-25

### 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 2025-2026

### Eligibility Criteria:

Under Graduate Program

**B**achelor of **A**rchitecture Tuition Fees:75,000 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 Architecture (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 Tuition Fees: 73,500 INR per annum



- Under graduation degree from any of the below mentioned programs from a recognized 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/EWS 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.

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)

### **Proposed Programs**

#### **1.** <u>Diploma in Design</u> TuitionFees:50,000 INR per annum

# 40 Intake

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







**Dr. Kishorsinh N. Chavda** Honorable Vice Chancellor Sir

## 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, Navsari, 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 34Government,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 Gijubhai Chhaganbhai Patel Institute with modern technology.

The students are actively participated in the various co-curricular activities. The department provides teaching through problem 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 14 years. Eight 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.

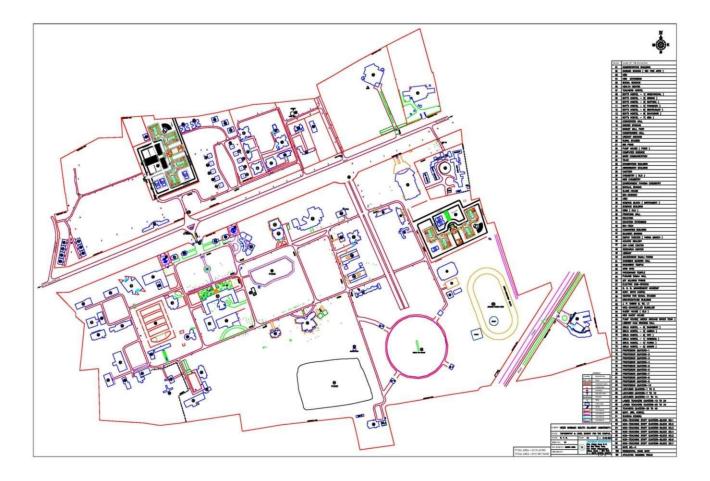
While technology related subjects like structures, building construction, services and others explain the students how to actually build as per requirements, utilizing materials and applying appropriate construction technology onsite in order to achieve required structural strength and stability.

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







## **INFRA**STRUCTURE 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

## **INFRA**STRUCTUREATUNIVERSITYCAMPUS

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 Rink Multipurpose Hall Hockey Ground Indoor Swimming Pool Boys' Hostel Girls' Hostel Indoor Sports Complex Narmad Smruti Bhavan Rcc Dome





## DETAILS OF PHYSICAL INFRASTRUCTURE:

Studio Classroom 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 Other Activity Spaces Canteen (Sharing with M.Sc.I.T. Dept. in Carr Stationary Shop	800Sq.Mt.(08Nos.) 629Sq.Mt.(09Nos.) 274Sq.Mt.(05Lab) 67Sq.Mt. 557Sq.Mt. 178Sq.Mt. 104Sq.Mt. 205Sq.Mt. 167Sq.Mt. 68Sq.Mt. 68Sq.Mt. 62Sq.Mt. 40Sq.Mt. 153Sq.Mt. 72Sq.Mt.(Boys-03,Girls-03) 192Sq.Mt. 15Sq.Mt. 12Sq.Mt. 1023Sq.Mt. 1023Sq.Mt.
Parking facility for Students and Faculty	

Total Built-up Area:4824 Sq.Mt.





## 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 textbooks are as follows:

### **Books and Text Books:**

a)	Books Titles	:2867

b) Books Volume :3253

## Journals:

a) International	:	03
b) National	:	12
c) E Journals	:	6(5422)
d) Media Library	:	499
e) Pc with Internet	:	10





## 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 username & 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 2017Antivirus installed in All PC's for network security. Assign each single computer a 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 MPC2030 RicohPrinter-01
- HP Laser Jet 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
- Arvimake 75KVA192VDC Online UPS System-01
- UPSAPC- 27
- Sound System with 02 no's wireless Microphone-01
- Web Camera-26
- Head Phone Acer-26
- Router TPLink-01
- Router E300 DLink-01





## IT Infrastructure

#### Software Asset Management

- Quick Heal Total Internet Security 2017-50,
- Infblinet Soul Software for Library,
- Zen ETDS Software TDS Return File,
- Microsoft Window-7,
- Microsoft Office-2007,
- Tally Account, Software,
- Revit Program Software,
- E Time link Attendance Software,
- Autocad 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 use UPS inverter with 16nos. battery for control any power fluctuation in Computer Lab.





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

# Rajesh Mehta cipal

ion for his work. essional body of work involves international Projects with nwealth Local Government Forum (CLGF) and projects of national ion with Government bodies and MNCs. pointed as member of national committees of Board of Architectural on and Board of Examination by The Indian Institute of Architects is serving VNSGU as the Principal of GCPIA, Dean of faculty of ture and design, Chairman of Board of Studies (BOS), Member of Teachers (BUT) and other committees and subcommittees of protividepartmentalworks





## Dr. Dharmesh Jurmalani Professor



# **Associate Professor**





#### DEPARTMENTOFARCHITECTURE(SF)T EAMOFFACULTIES



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

av Shah, Associate Professor, is a Permanent core Faculty at the institute since ave secured his graduation from SCET, Surat in 2000 and completed his Master scape Architecture from CEPT, Ahmedabadin2003.Beforejoiningacademics, he has veral national level awards for his works. He is an associate member of ISOLA and other professional institutes.

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

Anand KapadiaisanAssociateprofessorinthedepartmentofArchitectureatVNSGU.Healso serves as Coordinator for Master of Urban and Regional Planning PG program at hese edepartment.Hehasbeenimpartinghisserviceinteachingforlast10years.Hehasalso visiting faculty at various design institutes. Apart from teaching he has variety of ince in the field of Architecture, lanningandtransportationPlanning.HehaskeeninterestforresearchintheareaofSustain hele IrbanPlanning

#### Ar.**Birva** Gandhi 3.Arch,M.Arch.(Citydesign) **Associate Professor**



handhi is an Architect and a city designer having keen interest in architectural h and literature; as well as urban Housing and its dynamic components. She is VNSGU as an Associate professor, as well as VNSGU recognised PG teacher for sters program of Urban and Regional Planning, Having professional experience of indteachingexperienceofmorethan10years.





#### DEPARTMENTOFARCHITECTURE(SF)T EAMOFFACULTIES



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

a N Contractor [BECIVIL, MTECH(S.M.F.E.),EMBA(Construction Management), MS state Valuation),PhD in Civil Engineering]is VNSGU recognized UG Teacher for r of Architecture And PG Teacher for "Landscape Architecture" and "Urban & Planning". Member of Board of Studies (BOS) of Faculty of Architecture and VNSGU. He has approximately 13 Years of Teaching and Professional Experience o associated with professional bodie slike! CEA, ISTE, etc.

#### Ar.**fieta** Pater 3.Arch.,M.Arch.Landscape,UK **Assistant Professor**



#### Patel, has been associated with the department of

uresince2011,asapermanentAssistantProfessor.ShehasdoneherBachelorinArchitectur ET,Suratin2007andcompletedMaster in Landscape Architecture from UEL, Londonin ehasanexperienceof 14yearsinthefieldof Architecture and Landscape. She has a keen n exploring innovative Art techniques and is Founder and Instructor of (Kinesics),since2016.





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



## Ar. Darsin Patel **Assistant Professor**

# Ar. Harsh Patel





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# **Assistant Professor**





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

## ACADEMIC RESOURCE POOL

#### **Full-time Contract Based Faculty**

- 1. Ar. Kiran Pandya (Dip. Arch) | Design Chair
- 2. Ar.Himani Vashi (B.Arch.)
- 3. Ms.Dipti Batlawala (M.V.A.(GraphicArts/PrintMaking))
- 4. Ar.Dhruvita Mahida (B.arch, M.arch)
- 5. Ar.Chandni Patel (B.arch, M.arch)
- 6. Ar. Diggaj Shah(B.Arch.)
- 7.
- 8.
- 9.
- 10.





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

## Visiting Faculty

- 1. Dr.Leena Garg (B.Arch., M.Plan, Ph.D)
- 2. Ar. Maharshikumar Vimawala (B.Arch.,LLB)
- 3. Ar.Viren Mahida (B.Arch)
- 4. Mr.Mehul Patel (M.V.A/Sculpture,B.V.A)
- 5. Er.Aditya Bhatt (B.Tech)
- 6. Dr.Kavita Sharma (Ph.D)
- 7. Ar.Jemish Lathiya (B.Arch., MURP)
- 8. Ar.Sheetal Thakur (B.Arch.)
- 9. Ar.Jaysheel Shah (B.Arch., M.Arch.)
- 10. Er.Nilesh Shah
- 11. Mr. Gajendra Majithiya (Dip. in Fine Arts)
- 12. Ar.Bhavini Patel(B.Arch., MURP)
- 13. Prof.Alka Mehta
- 14. Ar.Hetal Chauhan (B.Arch.)
- 15. Dr.Jetendra Sinh Parmar (MA Eng.)

## Non Teaching Staff

- 1. Kosambia Nishi Shailendrabhai-Lab Assistant
- 2. Chaudhari Trupti Rameshbhai-Administrative Personnel
- 3. Desai Ketan Kanjibhai-Administrative Personnel
- 4. Patel Rinkesh Napinbhai-Administrative Personnel
- 5. Solanki Nilesh Kiritbhai-Librarian
- 6. Dharmendra Maganbhai Vasava-Peon
- 7. Patel Divyang Narendrabhai Peon
- 8 Gouda Prabhakar–Gardener
- 9 Solanki Ajay Kanubhai- Sweeper



#### 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.





G C P Institute of Architecture, Interior Design and Fine Arts

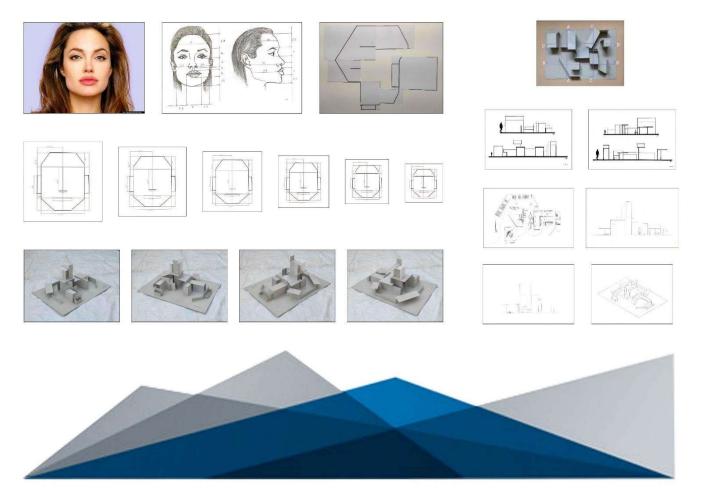
Veer Narmad South Gujarat University

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

First Year

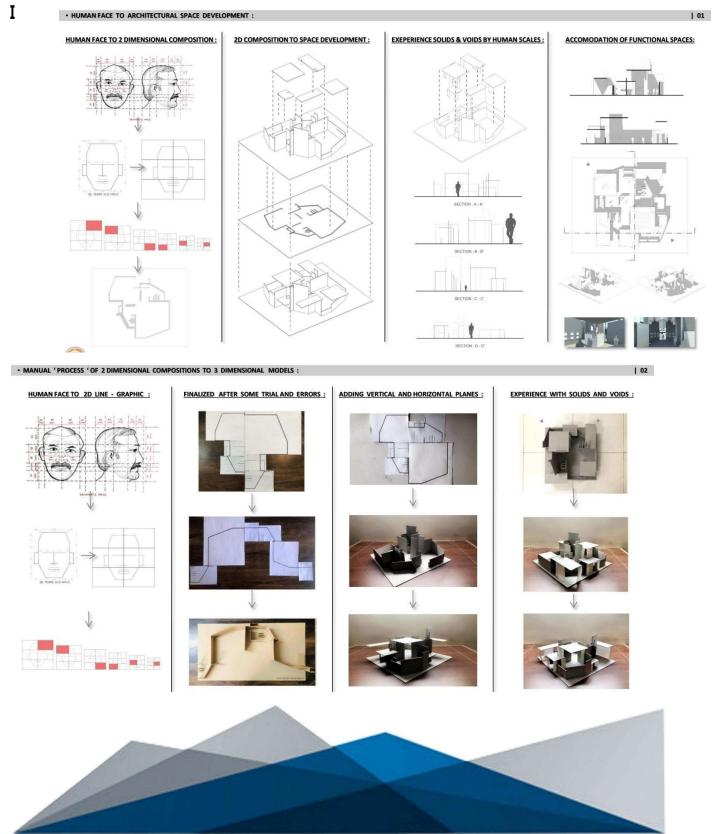
SEMESTER I	SEMESTER II	
<ul> <li>Basic Design- I</li> <li>Architectural Design Studio - I</li> <li>Building Materials and Construction - I</li> <li>Architectural Graphics Skill - I</li> <li>Sturctural Design System - I</li> <li>Humanities - I</li> <li>Communication Skills - I</li> <li>Elective - I <ol> <li>Photography</li> <li>Infographics, 3. Workshop (wood, steel, POP, Clay, etc.), 4. Screen Printing 5. Sculpure, 6. Leather printing</li> </ol> </li> </ul>	<ul> <li>Basic Design- II</li> <li>Architectural Design Studio - II</li> <li>Building Materials and Construction - II</li> <li>Architectural Graphics Skill - II</li> <li>Sturctural Design System - II</li> <li>Humanities - II</li> <li>Communication Skills - II</li> <li>Elective - II <ol> <li>Photography</li> <li>2. Infographics, 3. Workshop (wood, steel, POP, Clay, etc.), 4. Screen Printing 5. Sculpure, 6. Leather printing</li> </ol> </li> </ul>	

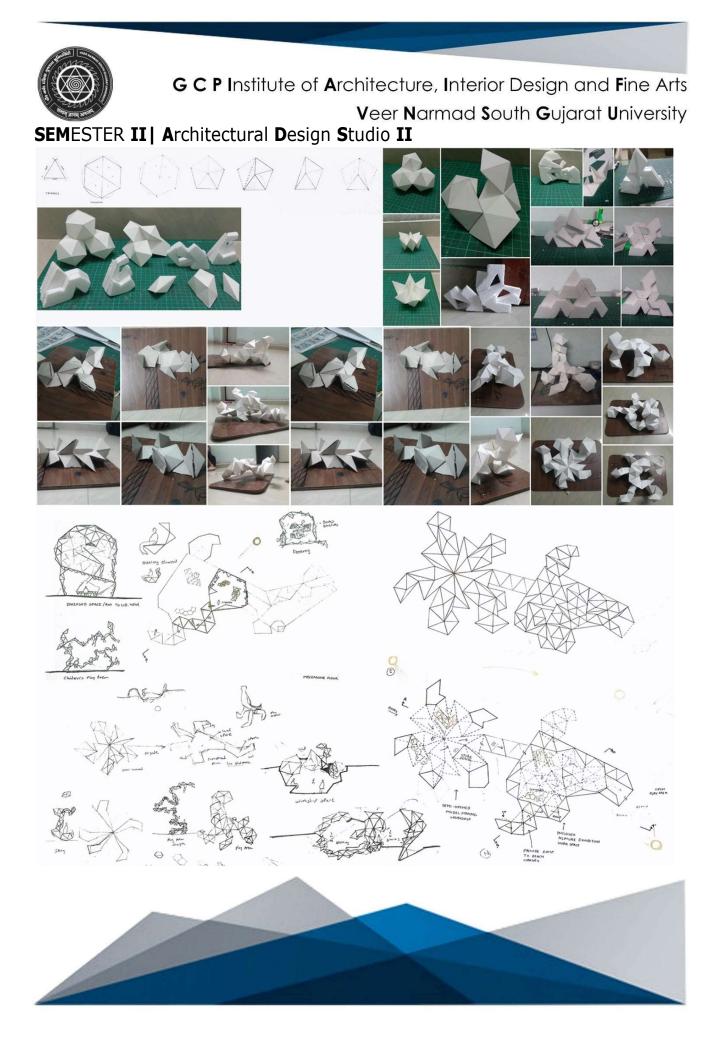
#### SEMESTER I | Architectural Design Studio





#### SEMESTER I | Architectural Design Studio







GCP Institute of Architecture, Interior Design and Fine Arts

Veer Narmad South Gujarat University

#### SEMESTER II | Architectural Design Studio II

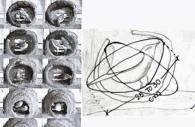
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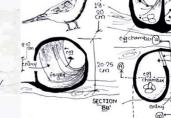
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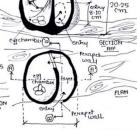






RESULT: AFTER BALOONS ARE BURST









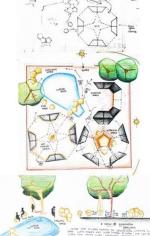




















G C P Institute of Architecture, Interior Design and Fine Arts

Veer Narmad South Gujarat University

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

#### Second Year

SEMESTER III	SEMESTER IV
<ul> <li>Architectural Design Studio III</li> <li>Building Materials and Construction - III</li> <li>Sturctural Design System - III</li> <li>Enviromental Science- I</li> <li>Survey and Leveling</li> <li>History of Architecture - I</li> <li>Building Services - I</li> <li>Elective III <ol> <li>Creative writting</li> <li>Art Apriciation</li> <li>Indic studies</li> <li>Vastu shastra</li> <li>IPDC: Integrated personality development Course</li> <li>Vernacular Architecture</li> </ol> </li> </ul>	<ul> <li>Architectural Design Studio IV</li> <li>Building Materials and Construction - IV</li> <li>Sturctural Design System - IV</li> <li>Enviromental Science- II</li> <li>Computer Application - I</li> <li>History of Architecture - II</li> <li>Building Services - II</li> <li>Elective - IV <ol> <li>Creative writting</li> <li>Art Apriciation</li> <li>Indic studies</li> <li>Vastu shastra</li> <li>IPDC : Integrated personality development Course</li> <li>Vernacular Architecture</li> </ol> </li> </ul>

#### SEMESTERI II | Architectural Design Studio III

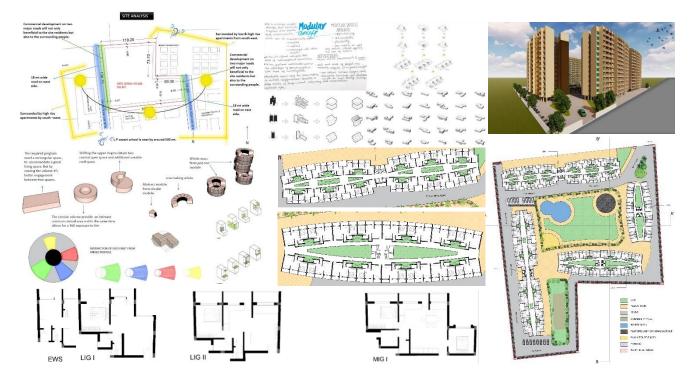




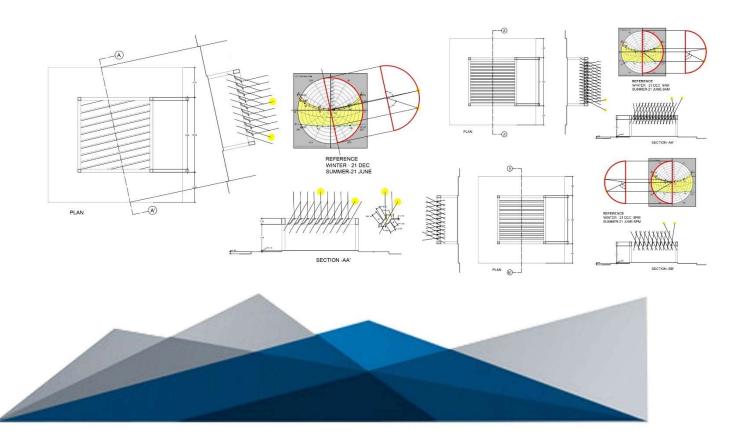




#### SEMESTER IV | Architectural Design Studio IV



#### SEMESTER IV | Architectural Graphic Skills IV





GCP Institute of Architecture, Interior Design and Fine Arts

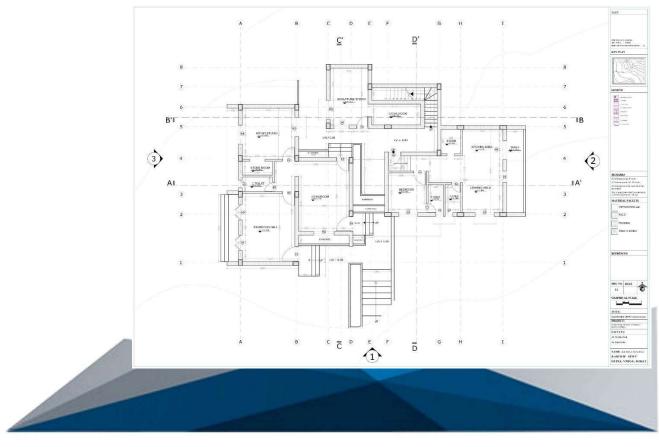
Veer Narmad South Gujarat University

#### DEPARTMENTOF **ARCH**ITECTURE(SF) **B**ACHELOR OF **ARCH**ITECTURE, CURRICULLUMANDSTUDENTS'WORK

#### Third Year

SEMESTERV	<b>SEM</b> ESTER <b>VI</b>
<ul> <li>Architectural Design Studio V</li> <li>Building Construction and Services</li> <li>Sturctural Design System - V</li> <li>Behaviour Science- II</li> <li>Estimation &amp; Costing</li> <li>History of Architecture - III</li> <li>Theory of Design</li> <li>Elective V <ol> <li>BIM</li> <li>Comp. Design</li> <li>Visulization Application</li> <li>Valuation</li> <li>Film Appreciation</li> <li>Building performance &amp; Compliances</li> <li>Foregine Language (Spanish/Greek/French)</li> </ol> </li> </ul>	<ul> <li>Architectural Design Studio VI</li> <li>Advanced Building Construction</li> <li>Project Management</li> <li>Professional Practice - I</li> <li>Building By-Laws</li> <li>History of Architecture - IV</li> <li>Basics of Construction Management</li> <li>Housing and Community Planning</li> <li>Elective VI <ol> <li>BIM</li> <li>Comp. Design</li> <li>Visulization Application</li> <li>Valuation</li> <li>Film Appreciation</li> <li>Building performance &amp; Compliances</li> <li>Foregine Language(Spanish/Greek/French)</li> </ol> </li> </ul>

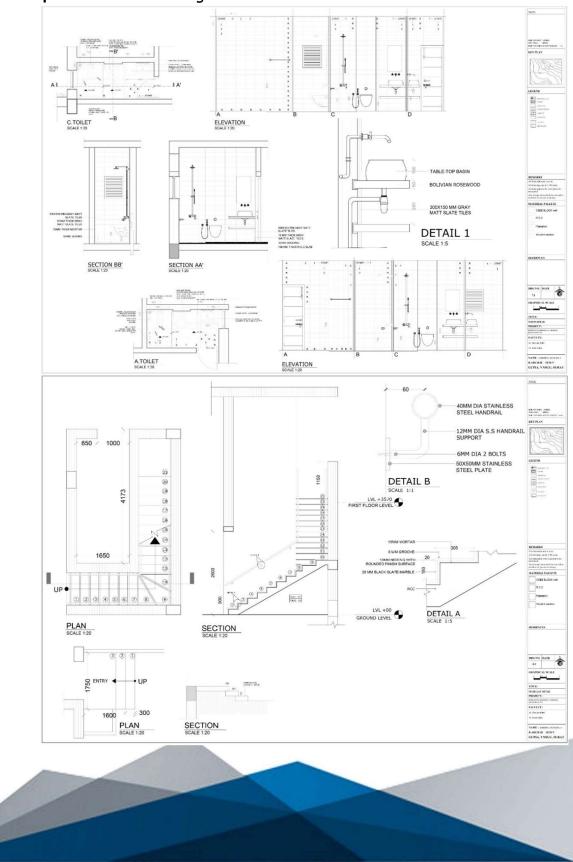
#### SEMESTER V | Architectural Design Studio V





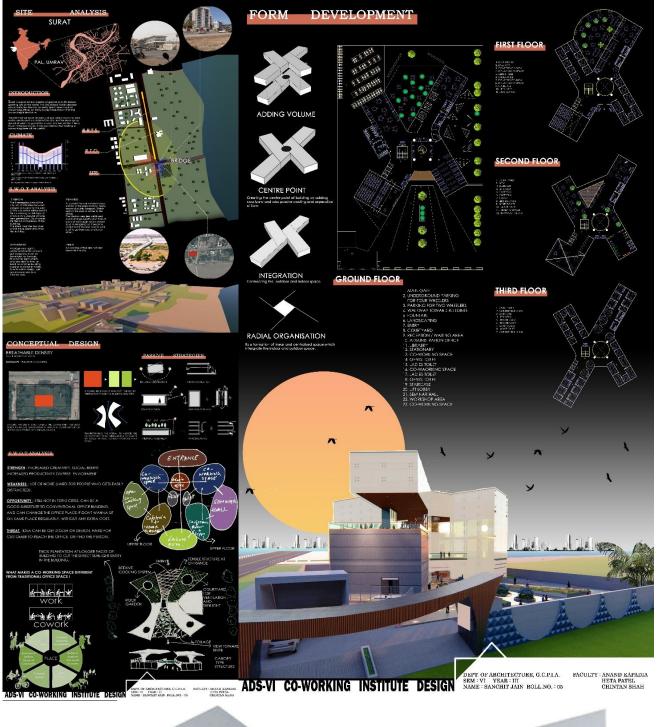
G C P Institute of Architecture, Interior Design and Fine Arts

Veer Narmad South Gujarat University SEMESTER III | Architectural Design Studio III





#### SEMESTER VI | Architectural Design Studio VI





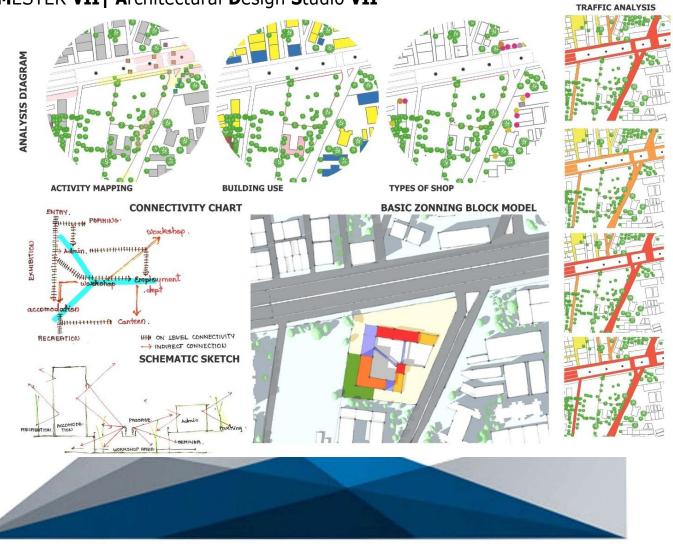


#### DEPARTMENT OF **ARCH**ITECTURE (SF) **B**ACHELOROF**ARCH**ITECTURE, CURRICULLUM&STUDENTS'WORK

#### Fourth Year

SEMESTERVII	SEMESTERVIII
<ul> <li>Architectural Design Studio VII</li> <li>Building Material and Construction Technology VII</li> <li>Advanced Structural Design and System</li> <li>Advanced Services</li> <li>Research Skills and Project Introduction</li> <li>Urban and Regional Planning</li> <li>Elective VII         <ul> <li>I. Disaster Management</li> <li>II. Intelligent Buildings</li> </ul> </li> </ul>	• <b>Professional Training</b> (For semester VII compulsory training of 17weeks required under a COA registered Architect in India or equivalent in foreign countries.Submissionof17weeksworkinformofapor tfolioismandatoryalongwith Architect's certificate at the time of Viva- voce, to continue the IXth semester Training)

#### 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.

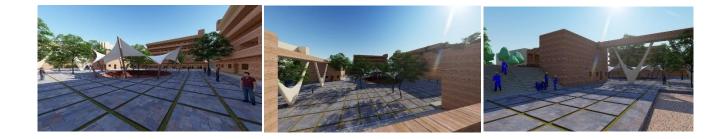
OTHER IS MAXIMUM SHADED PORTION IS AVAILABLE TO CARRY OUT















#### DEPARTMENT OF **ARCHITECTURE** (SF) BACHELOROFARCHITECTURE, CURRICULLUM&STUDENTS'WORK

#### Fifth Year

SEM	IESTER <b>IX</b>	SEM	ester <b>x</b>
• • • I. II. III. IV.	Architectural Design Studio XI(Research Thesis) Professional Practice Universal Design Elective Building Science Social Science and Architecture Humanities and Architecture Art and Design	• • 1. 11.	Architectural Design Studio X(Design Thesis) Professional Practice Elective VIII Architectural Conservation 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:

To study the current scenario of rural areas and by understanding the pros and cons of the situation, providing solutions and ways to enhance the upliftment and sustainability of the rural areas.

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

#### NEED:

- India lives in its villages, and while the chies have grown immensely over the last 20 years, tural areas
  have not seen that kind of development.
   For India's commy to be strong, the rarial economy needs to grow.
   Rural areas are still plaqued by prebiens of maintoinkinent, illitenzy, unemployment and lack of
  have infrastructure like choids, chieges, hospitals, suitation, etc. This has led to yearh moving out

- of villages to work in cities. Hence this leads to migration, leading to issues like over population in different urban areas of the
- country. It has become very crucial to develop the rural areas as it will reduce the increasing load on urban areas as well as take a lead towards the vision of a developed nation.

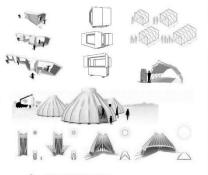
#### METHODOLOGY:

- Literature hooks 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 rural areas lag behind cities in growth?
   Why the socio-economic conditions of rural areas are not developing? G.C.P.I.A.J.F./B.Arch 2020. Research thesis | Rural development Planning & Architecture |Chapter 1 Introduction



#### **Biomimicry in Architecture**

"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 inhabitantis including animals, plants, and microbes have the most experience in solving problems and have afready 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 torms. 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 parallel, recent advancements in fabrication techniques, computational imaging, and simulation tools have opened up new possibilities to minime 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. Bioinmictic architecture is one of these multi-disciplinary approaches to sustainable design that follows a set of principles rather than solvine energy.<sup>18</sup> saving energy

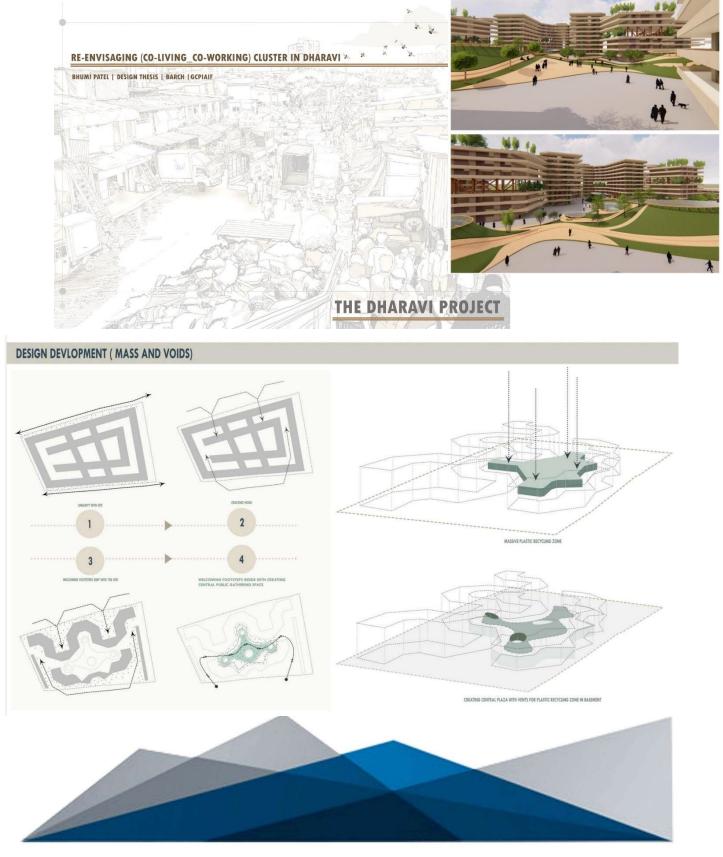


GCPIAIF | B. Arch Nov - 2020 | Research Thesis | Biomimicry & Contemporary Parametricism | Biomimicry in Architecture





#### SEMESTER X | Architectural Design **Studio** X





#### SEMESTER X | Architectural Design **Studio** X





# Related Study Programs:

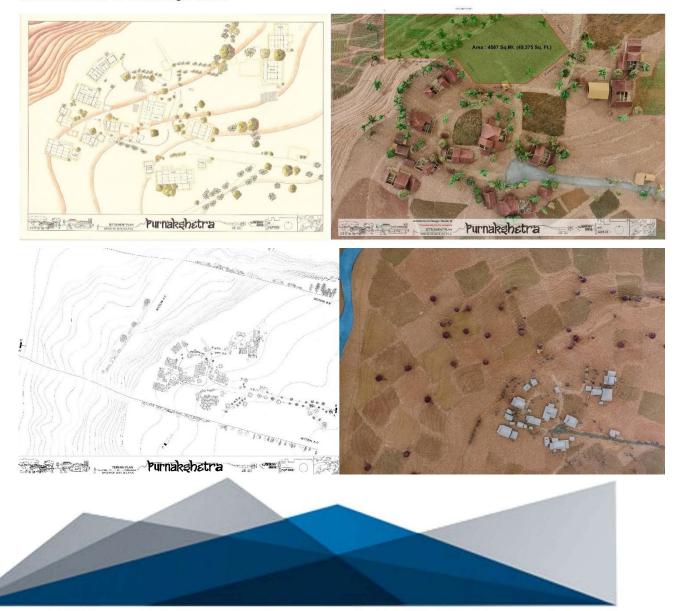
2012 | Rural settlements of Dediyapada2013 | RuralsettlementsofGirnatio nalpark2013|OldtownofUdaipur 2014|OldtownofMaheshwar2014| GhatsandstreetsofUjjain 2014 | Monuments and streets of Bhopal2014|Calcutta 2014|Delhi 2015|RuralsettlementsofKarwar 2015|Oldtownof,Gokarna 2015 Ruralsettlementsandoldtown, Udupi 2015 Go а 2016|Dutchcemetery,Surat(As part of AGSIII)2017 Jaisalmer 2018 | Pondicherry 2019|Varanasi 2020 | RuralsettlementsofWankan, Dang 2020 | Jaipur





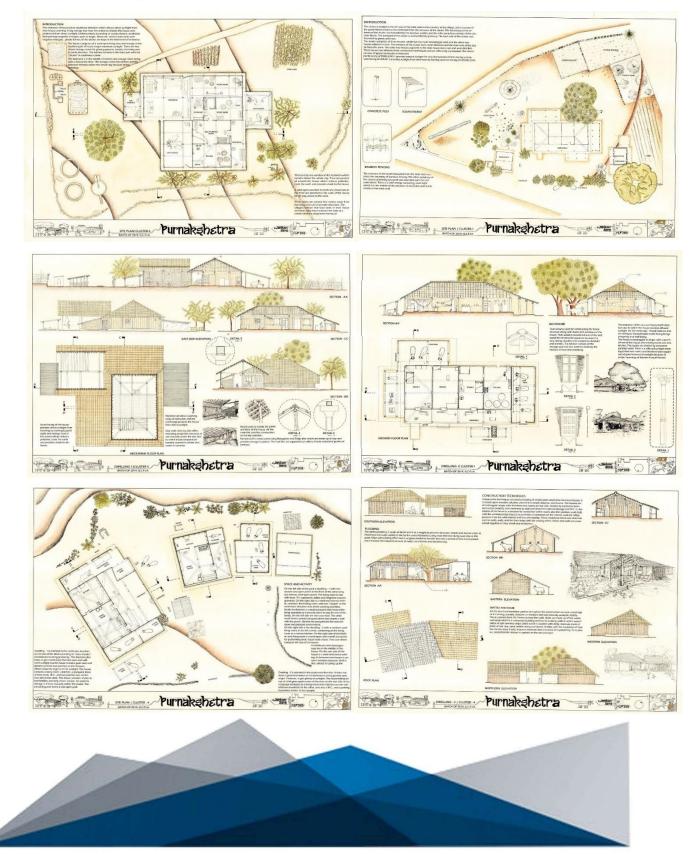
## RSP - Wankan, Dang Introduction

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.





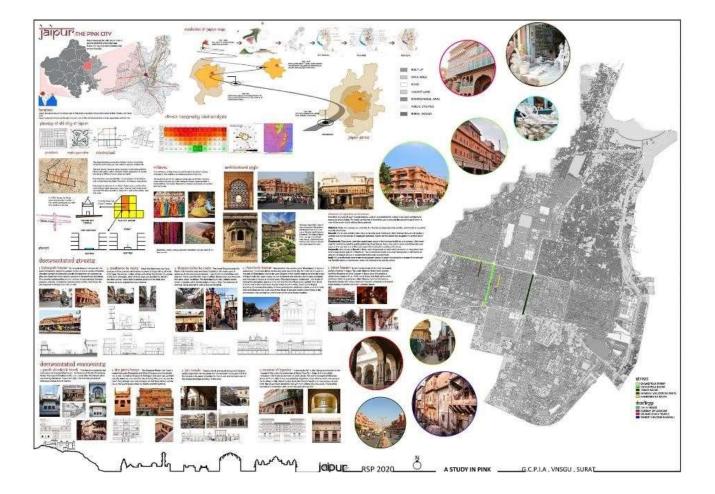
RSP - Wankan, Dang





# RSP-**Jaipur**

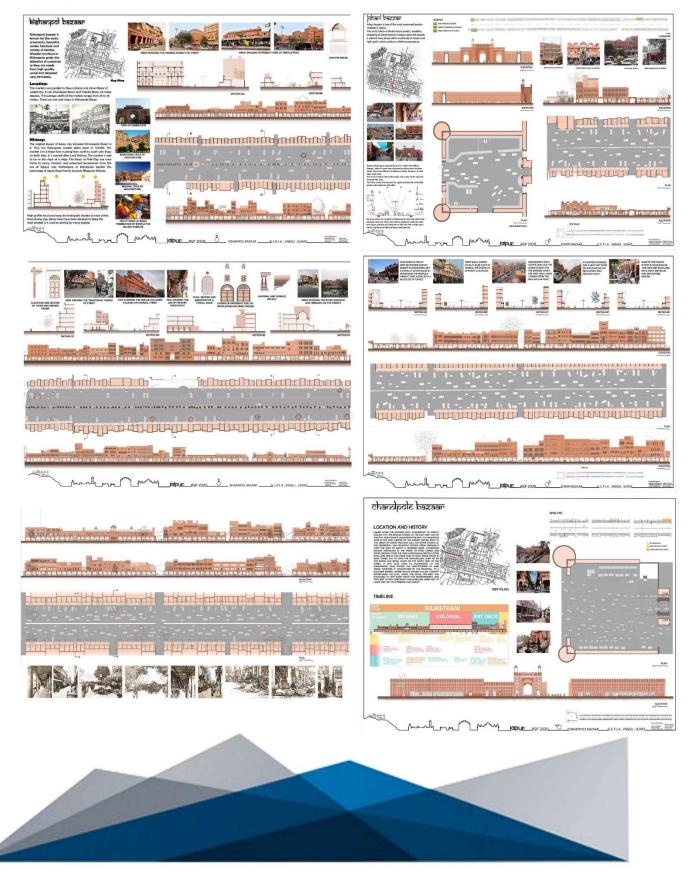
Related Study Programme, a part of academic curriculum includes visiting aplace to study the vernacular architecture, construction techniques, climatic aswellasculturalstudythroughdocumentation, measured rawand photography. RS P - 2020 included students of second and third yeah who visited Jaipur which isoneoftheUNESCOheritageCity.ThestudentsstudiedJaipurintermsofUrbanPlanni and also the climatic responsive buildings there. They had nq measuredrawnthestreetsofpreplannedcityandlatertransformeditinformofdrawings.







Rsp - Jaipur





G C P Institute of Architecture, Interior Design and Fine Arts

Veer Narmad South Gujarat University

#### DEPARTMENT OF **ARCH**ITECTURE (SF) **M**ASTER IN **ARCH**ITECTURE (LANDSCAPEARCHITECTURE), CURRICULLUM&STUDENTS'WORK

First Year

SEMESTERI	SEMESTERII
<ul> <li>Landscape Architecture Studio I</li> <li>Plants Systematics, Plant Processes</li></ul>	<ul> <li>Landscape Architecture Studio II</li> <li>Plants and Design</li> <li>Theory of Landscape Architecture II</li> <li>Site Planning and Landscape Engineering</li></ul>
and Field Study <li>Theory of Landscape Architecture I</li> <li>Site Planning and Landscape Engineering I</li> <li>Environmental Legislation and EIA</li> <li>Sustainability and Energy Conservation</li>	II <li>Urban Governance</li> <li>Geo-informatics for</li>
in Landscape Architecture	Landscape Architecture

#### SEMESTER I | Plants Systematics, Plant Processes

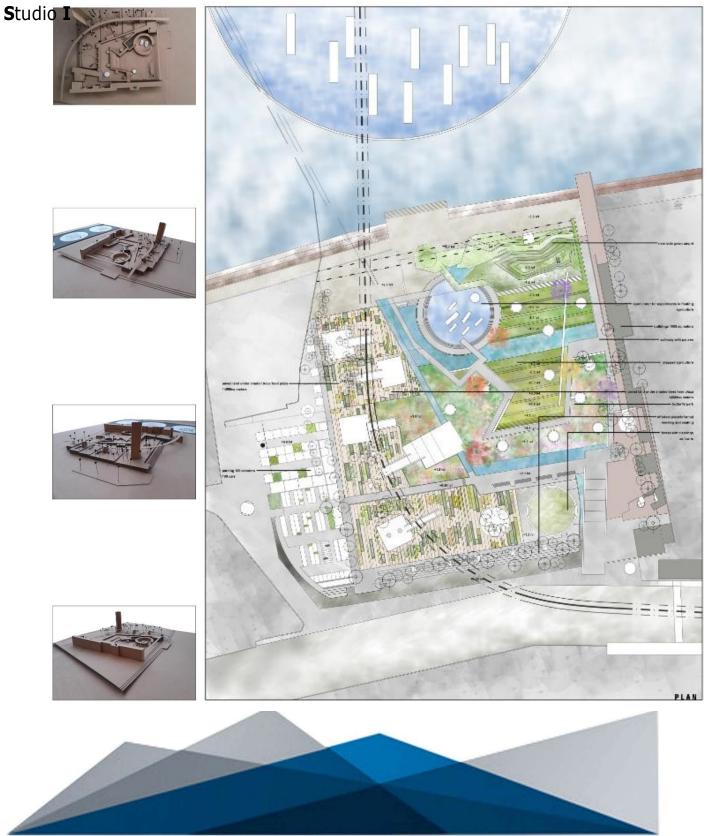


Identification of Physiological Characteristics : Case study M. S. University Botanical Garden



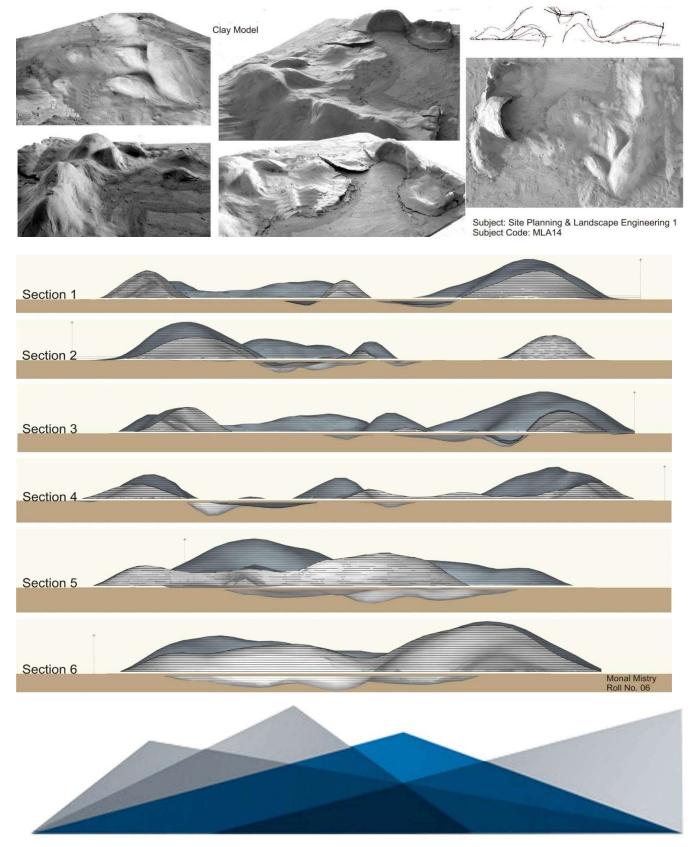


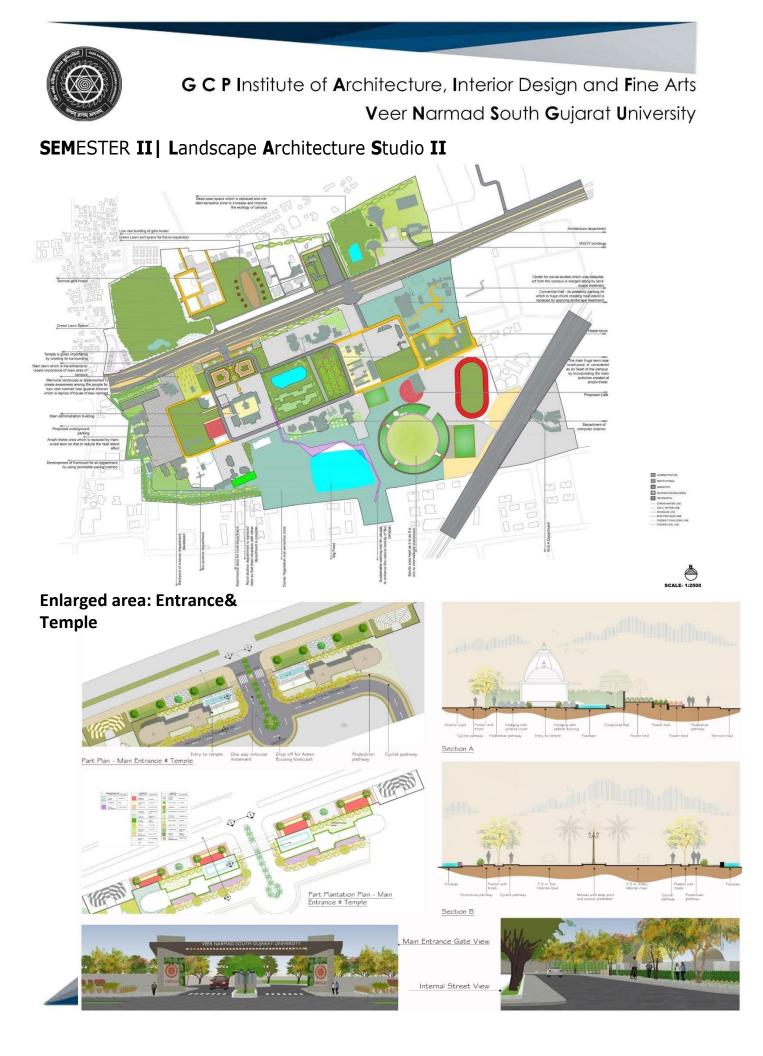
# SEMESTER I | Landscape Architecture





# SEMESTER I | Landscape Architecture Studio I







# SEMESTER II | Landscape Architecture Studio II





GCP Institute of Architecture, Interior Design and Fine Arts

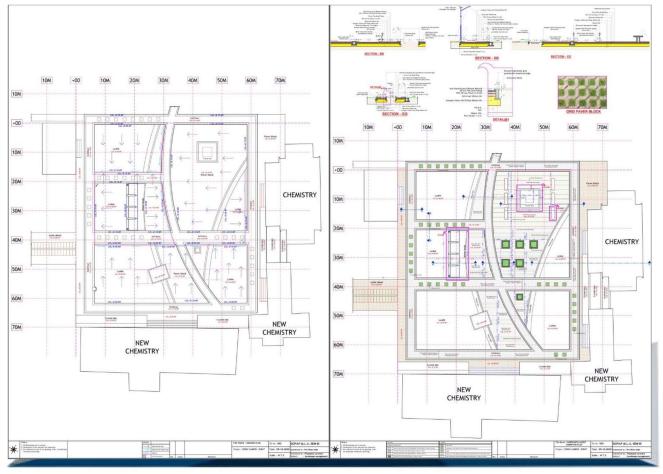
Veer Narmad South Gujarat University

#### DEPARTMENT OF **ARCH**ITECTURE (SF) **M**ASTER IN **ARCH**ITECTURE (LANDSCAPEARCHITECTURE), CURRICULLUM&STUDENTS'WORK

#### Second Year

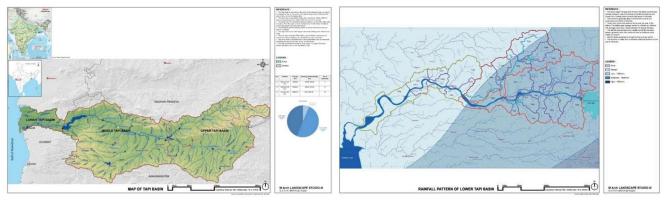
<b>SEM</b> ESTER <b>III</b>	<b>SEM</b> ESTER <b>IV</b>
<ul> <li>Landscape Architecture Studio III</li> <li>Landscape Project Management and Professional Practice</li> <li>Geology &amp; Edaphic parameters</li> <li>Ecology and Eco system Analysis</li> <li>Landscape Economics Management and horticultural practice</li> <li>Research Methodology</li> </ul>	<ul> <li>Thesis         <ul> <li>Landscape Architecture thesis will consist of two parts:</li> <li>(a) Research oriented towards establishing astrongth eoretical background for the chosen subject.</li> <li>(b) Application to a Landscape Planning or Landscape Design proposal with appropriate details.</li> </ul> </li> </ul>

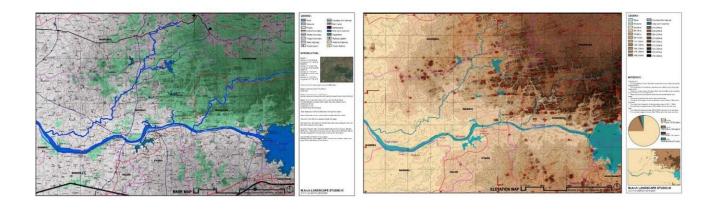
# SEMESTER III |Landscape Project Management and Professional Practice

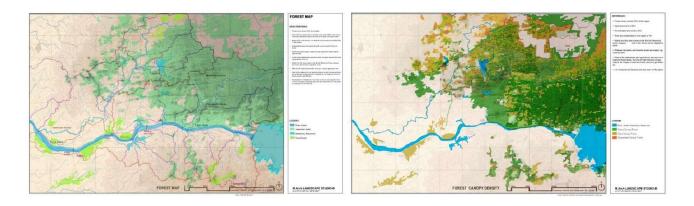




# SEMESTER III | Landscape Architecture Studio III





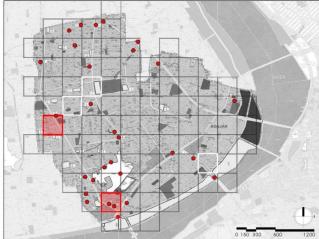






#### SEMESTER IV | Thesis

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

Tot-Lot - 7x15 m ( Model 2- 105 Sqm ) PLAY EQUIPMENTS ..... TREES FOR SHADING -- SCULPTURES TOILET. -- WATER BODY SAND PLAY .... RESTING BENCHES









SEMESTER IV | Thesis





URBAN LEFTOVERS- 205X37 (Model 2 - 7450 sqm)



# SEMESTER IV | Thesis





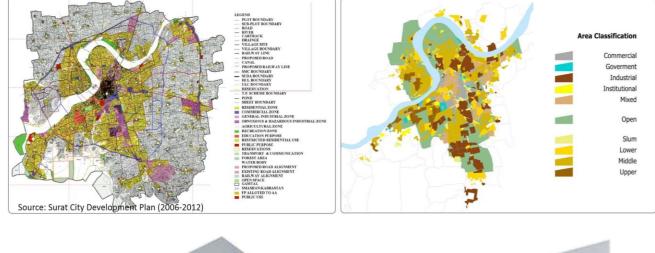


#### DEPARTMENT OF **ARCH**ITECTURE (SF) **M**ASTEROF**U**RBANAND**R**EGIONAL**P**LANNING CURRICULLUM&STUDENTS'WORK

First Year

<b>SEM</b> ESTER <b>I</b>	SEMESTERII
<ul> <li>Urban &amp; Regional Planning Studio I</li> <li>Planning History and Theory I</li> <li>Socio-economic basis for Planning</li> <li>Planning Techniques</li> <li>Development Finance</li> <li>Planning for Tourism</li> </ul>	<ul> <li>Urban &amp; Regional Planning Studio II</li> <li>Infrastructure &amp; Transportation Planning</li> <li>Housing &amp; Environmental Planning</li> <li>Advanced Planning Techniques</li> <li>Policies and Planning</li> <li>Inclusive Urban Planning</li> </ul>

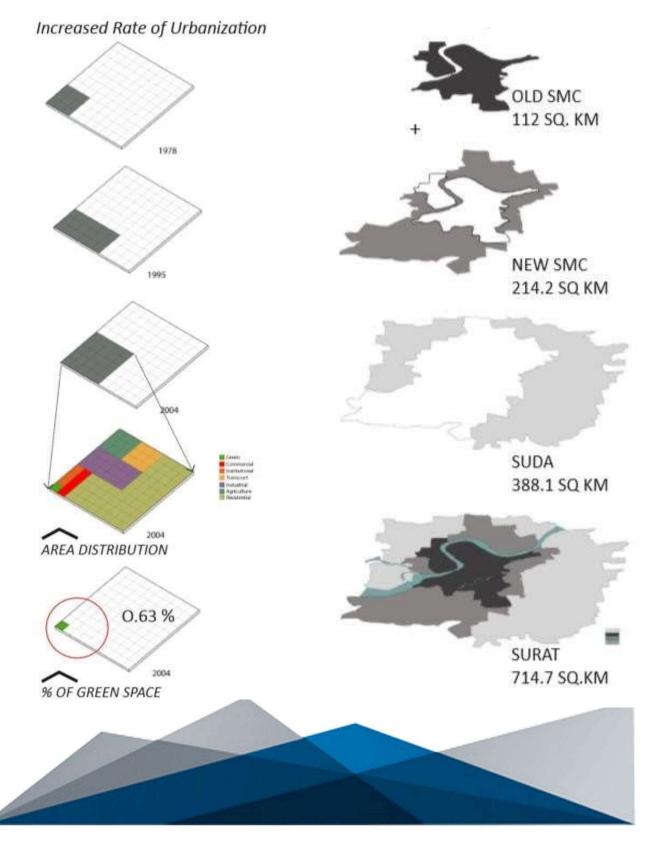
#### SEMESTER I | Urban & Regional Planning Studio I







# SEMESTER I | Urban & Regional Planning Studio I

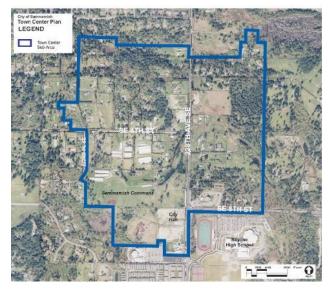


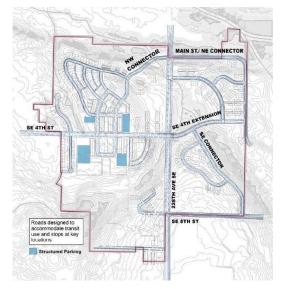


Hybrid

G C P Institute of Architecture, Interior Design and Fine Arts Veer Narmad South Gujarat University

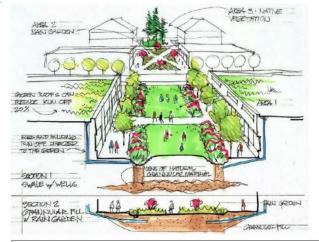
#### SEMESTER II | Advanced Planning Techniques

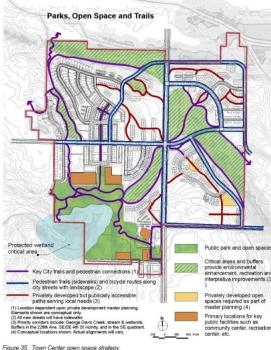




Below are various elements related to open spaces taken into consideration

- "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.



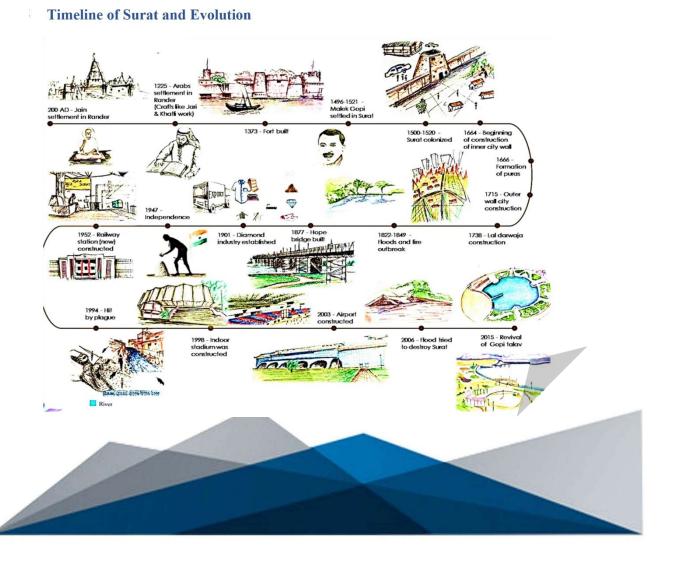


#### DEPARTMENT OF **ARCH**ITECTURE (SF) **M**ASTEROF**U**RBANAND**R**EGIONAL**P**LANNING CURRICULLUM&STUDENTS'WORK

#### Second Year

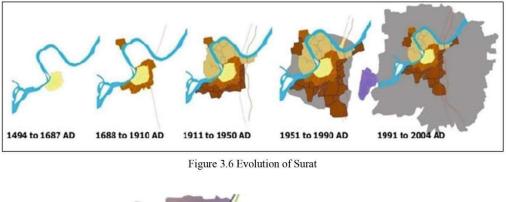
SEMESTERIII	<b>SEM</b> ESTER <b>IV</b>
<ul> <li>Urban &amp; Regional Planning Studio III</li> <li>City &amp; Metropolitan Planning</li> <li>Urban Heritage Conservation</li> <li>Infrastructure Planning</li> <li>Urban Development Management</li> <li>Energy, Climate change &amp; Development</li> </ul>	<ul> <li>Thesis</li> <li>Project Planning &amp; Management</li> <li>Legal issues &amp; Professional Practice</li> </ul>

#### SEMESTER III | Urban Heritage Conservation





#### SEMESTER III | Urban Heritage Conservation



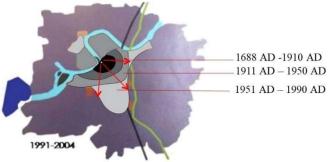
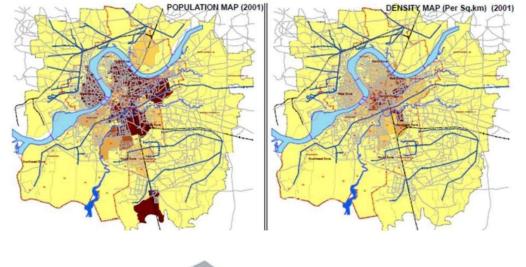


Figure 3.7 Evolution of Surat city

#### Surat Development Plan







# SEMESTER IV | Thesis

OVER NARMAD SOUTH GUJARAT UNIVERSITY	VEER NARMAD SOUTH GUJARAT UNIVERSITY
"Urban Green Space provision in a peri-urban area of Surat"	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	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
By Chaudhary Monali Manilal Enrollment No: R19120030020310002	Master of Urban and Regional Planning
Under the supervision of Prof. Ar. Rajesh Mehta	By (BAVADIYA JAINESH SURESHBIIAI) (R19120030020310001)
	Under the supervision of (PROF. (DR.) ADITYA N. CONTRACTOR)
DECEMBER-JUNE 2021	MAY-JUNE 2021
VEER NARMAD SOUTH GUJARAT UNIVERSITY	
A FEASIBILITY STUDY OF THE PUBLIC BICYCLE SHARING SYSTEM IN ATHWA ZONE OF THE SURAT	"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,	A Dissertation submitted to Shri Gijubhai Chhaganbhai Patel Institute of Architecture, Interior Design and Fine Arts, Veer Narmad South Gujarat University, Surat
Interior Design and Fine Arts, Veer Narmad South Gujarat University, Surat for partial completion of	for completion of Master of Urban and Regional Planning
Master of Urban and Regional Planning	<sup>By</sup> Priya G. Goyani
by (HALA AKSHAYKUMAR HEMATBHAI) (Reg.no. R19120030020310009)	Enrollment No: R19120030020310008
Under the supervision of (PROF. (DR.) ADITYA CONTRACTOR)	Under the supervision of (Prof. Ar. Birva Gandhi)
MAY-JUNE 2021	DECEMBER-JUNE 2021





# Academic achievements

National Association of Students of Architecture	NASA Architecture
CERTIFICATE OF EXCELLENCE	CERTIFICATE OF EXCELLENCE
This certificate is awarded to <u>2 281 &amp; C. 194764 INSTITUTE</u> OF ARCHITECTURE, <u>AURAT</u> . for Special Mention in Reubens Trophy at the 62nd year Annual NASA Convention hosted at Innovative Film City, Bidadi, Bengaluru from 7th February 2020 to 10th February 2020.	This certificate is awarded to <b>Z23</b> GC PATEL INSTITUTE OF ARCHITECTURE, SURAT for <b>Special Mention</b> in <u>RUBCUS TROPY</u> at the 61st Annual NASA Convention hosted by SJB School of Architecture and Planning, Bengaluru from 19th January to 23rd January 2019.





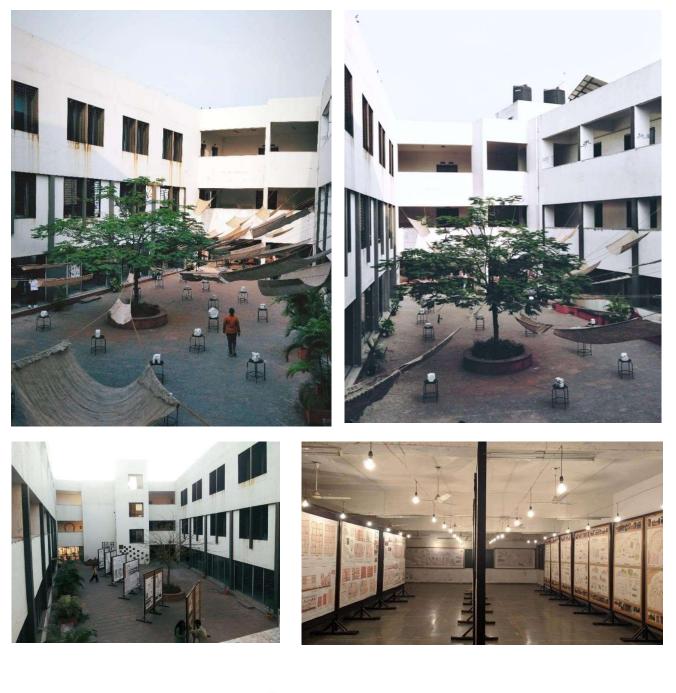
# Academic achievements







# **Co-curricular** activities







# Construction workshops







# Academic symposium





WORKSHOP SERIES 'DATA DRIVEN DESIGN' | VOLUME 1.1

RHINOCEROS INTRODUCTION AND TUTORIALS

TED BY AR HARSH PATEL DATE: 19 - 26 OF AUGUST 2019 GCP Institute of Architecture, Interior Design and Fine Arts Veer Narmad South Gujarat University

#### Workshops on advanced tools & their applications in design







WORKSHOP CO-ORDINATOR DR. DHARMESH JUREMALANI IN CHARGE PRINCIPAL, G.C.P.I.A. MR. MEHUL PATEL CO-ORDINATOR, G.C.P.I.A.

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

DEPARTMENT OF ARCHITECTURE (GIJUBHAI C. PATEL INSTITUTE OF ARCHITECTURE) VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT.











WORKSHOP CO-ORDINATOR DR. DHARMESH JUREMALANI

ENROLIME AUM/IEE

WORKSHOP CO-ORDINATOR MR. MEHUL PATEL CO-ORDINATOR, G.C.P.LA

SANIZING SECRETARY AR. HARSH PATEL





GCP Institute of Architecture, Interior Design and Fine Arts

Veer Narmad South Gujarat University

Annual display of acadamic year 2018-19

A

G.C.P.I.

HON. VICE CHANCELLOR, V. N. S. G. U., SURAT

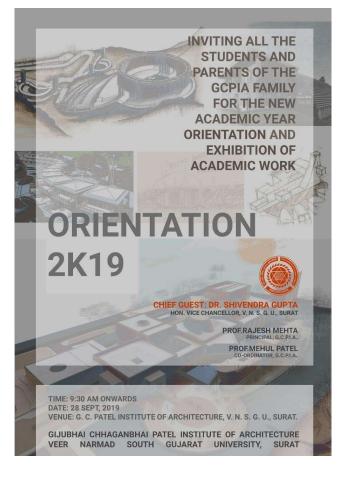
GIJUBHAI CHHAGANBHAI PATEL INSTITUTE OF ARCHITECTURE VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

PROF. RAJESH MEHTA

αννισ

28th, 30th SEPTEMBER 2019 10:30 A.M. ONWARDS AT G.C.P.I.A.

**Orientation** events for Fresh students







# **Web**inars

WEBINAR SERIES | VOLUME 1.1 PLANNING, DESIGN AND CONSTRUCTION OF A SUSTAINABLE NEW SCHOOL OF BUSINESS AT CMU

CONDUCTED BY AR UTKARSH GHILDYAL date: 10th of april 2021 Time : 1800 IST







AR UTKARSH GHILDYAL

PRINCIPAL PROJECT MANAGER | CAMPUS DESIGN AT CARNEGIE MELLON UNIVERSITY, PITTSBURGH.

ADJUNCT PROFESSOR OF ARCHITECTURE, HISTORY OF ART & ARCHITECTURE, UNIVERSITY OF PITTSBURGH DR. HEMALI DESAI I/C VICE CHANCELLOR,V.N.S.G.U.

> ORGANISER AR. RAJESH MEHTA PRINCIPAL, G.C.P.I.A.

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

DEPARTMENT OF ARCHITECTURE (GJIUBHAI C. PATEL INSTITUTE OF ARCHITECTURE) VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT.







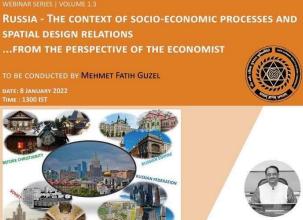
# **Web**inars

MEHMET FATIH GUZEL

JOIN ZOOM MEETING HTTPS://ZOOM.US/J/978667196827P

MEETING ID: 978 6671 9682 PASSCODE: PBYVNF

ECONOMIST & ART AND EDUCATION PROGRAMMER





PATRON

VICE CHANCELLOR, V.N.S.G.U.

ORGANISER AR. RAJESH MEHTA PRINCIPAL, G.C.P.I.A.

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

CO CONVENER AR. HIMANI VASHI ASST. PROFESSOR, G.C.P.I.A.

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT. 'A' NAAC ACCREDITED



Venue: Seminar Hall, Dept. Of Computer Science, V.N.S.G.U., Surat Date: 5th January, 2019 Time: 2:30 pm to 5:00 pm

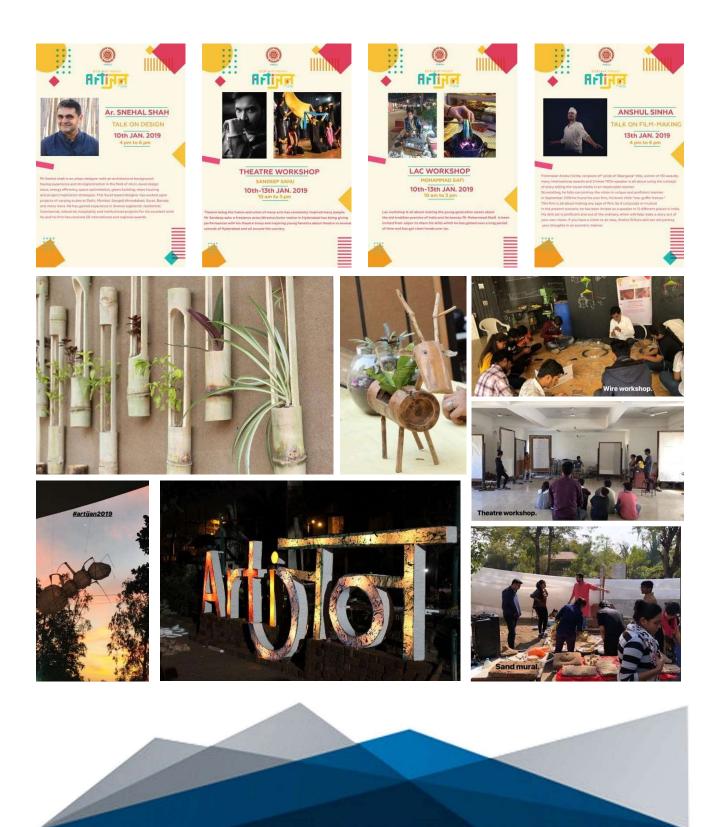
9327784799

Department Co-Ordinato Prof. Mehul Patel

**Lecture** serieses



**Art**ijan





**Extracurricular** activities Tree **plantation** events:













# Sports events









# Cultural celebrations:

### Triratri as aknown garba festival organized by GCPIAIF every year







# STUDENT SUPPORTANDPROGRESSION

- 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 wheelchair facility to support and provide equal opportunity to any differently a bled student that may get enrolled.
- **Students Council:** The students have themselves formed astudentbodyinordertointeractmoreformallywiththedepartment andfaculty, 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 SUPPORTAND PROGRESSION

- The **Right to Information Act** 2005 Seminar organised by Rohit Chaudhari, VNSGU&total33studentsparticipatedinit.
- In Powering You the 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.
- Development In association with Women Cell (WDC), • Mohanbhai V.N.S.G.U.Mr. Patel organised Karate & Taekwondo Training Programme at University Campus and our department students participated in the is Programme.
  - Swine Flue Campaign organised by Dr.Kashyap Kharachiya and C.D. Pachhigar Homeopathic College associated with V.N.S.G.U. on 25<sup>th</sup>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 SUPPORTANDPROGRESSION

- 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: Asapartof thesports budget, the Department has currentl ypurchased 05 Cricket bats, 30 Tennis balls, 02 Volley ball, 06 Chess B oards, 02 Carom Boards, 02 Footballs, 06 Badminton Rackets, pair of Volley ballpoles, Volley ball net etc..

• Department participate in seminars & conferences conducted by SMC heritage cell & INTACH, New Delhi Surat chapter.





# STUDENTSUPPORTANDPROGRESSION SCHOLARSHIPS:

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

- BCK-6.1 | Post Matric Scholarship of GovernmentofIndiaforSC students
- BCK-81A | PostMatricScholarshipofGovernmentofIndiafor OBC students
- VYK156 | PostMatricScholarshipofGovernmentofIndiaforST Girlsstudentshavingannualfamilyincomemorethan2.50Lakh
- Merit Cum Means Scholarship For Professional and Technical Courses CS, of Government of India for students belonging to minority communities
- MYSY|Mukhy amantri Yuva Swava lamban Yojana

Please visit following website for further details of the scholarships:

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

https://mysy.guj.nic.in/

