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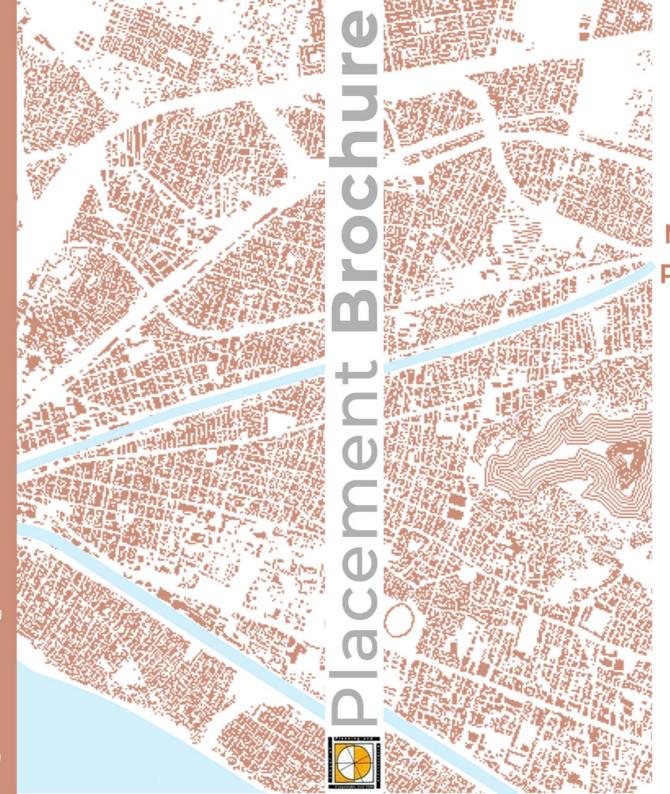
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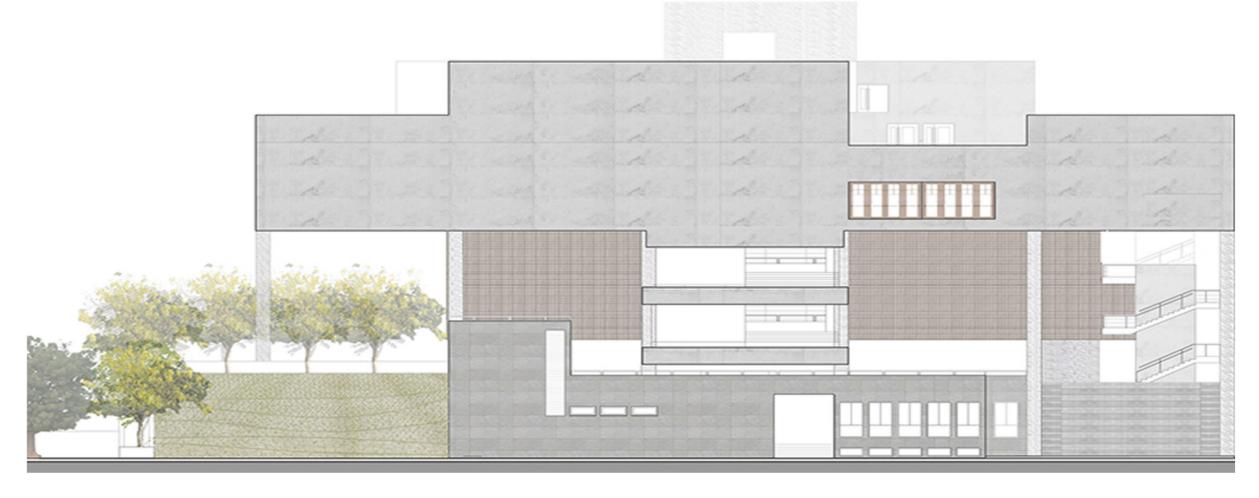


MASTERS IN ENVIRONMENTAL PLANNING AND MANAGEMENT

2021 - 2023

Department of Planning

SPA Vijayawada



- O1 About SPAV
- O3 Curriculum & About Batch

- 05 Our Works
- **07** Life at SPAV

- **02** Faculty Profile
- **04** Lectures & Laurels

O6 Student Profile

Why hire us? & Past Recruiters

ABOUT THE INSTITUTE

School of Planning and Architecture, Vijayawada (SPAV), was established on July 7, 2008 by the Ministry of Human Resource Development (MHRD) and is now under the Ministry of Education, Government of India. SPAV is a premier Centrally Funded Technical Institute (CFTI) for excellence in the fields of Planning and Architecture by imparting quality education, and its focus on research puts SPAV in the league with leading institutes in the country. SPAV utilises experienced faculties, guest lectures by eminent visiting faculty and industry experts from all over the country and abroad to develop characteristics of innovation, creativity, research and practical application in the students.





DEPARTMENT OF PLANNING

The Department of Planning at SPAV envisions the furthering of existing knowledge and creation of new frontiers in the field of 'Development and Planning' by enabling education and training, cutting edge research and professional consultancy in the region. Since 2008, the Department of Planning is involved in shaping young minds through quality education, towards making them technically equipped, socially responsible and ethica professionals in the field of Planning. The students of Planning are exposed to proficient planning expertise through full-time faculty and distinguished visiting faculties

Undergraduate Degree Programmes (B.Plan)

Bachelor of Planning

Postgraduate Degree Programmes (M.Plan)

- Master of Environmental Planning & Management (MEPM)
- Master of Urban and Regional Planning (MURP)
- Master of Transportation Planning (MTP)

Doctoral Programme (PhD)

Doctoral Program in Planning



It is my pleasure to invite you all to the placement activities of our institute. Since its inception in 2008, SPA Vijayawada has been committed to train responsible, ethical and professional architects and planners. The practical, objective-based, experiential teaching and learning environment has enabled our students to be capable of contributing towards a better diagnosis of issues and towards finding appropriate solutions with human value. As an institute, SPAV has never compromised on its mission to achieve academic excellence through innovation and research, and the same is reflected in the unwavering spirit and continued endeavours of our faculty and students who have earned national and international accolades for the institute.

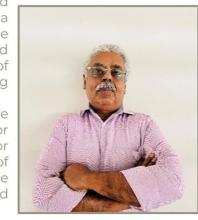
We are excited to release our Placement Brochure which details our efforts towards guiding the career paths of our students on behalf of the entire SPAV

> - Prof. Dr. Ramesh Srikonda Director, SPAV

The students of M.Plan (Environmental Planning and Management) at SPAV, an Institute of National Importance, are professionals, trained to contribute towards creating safe, secure and liveable neighbourhoods in cities, towns and villages. They have been trained through internships and have engaged in consultancy and research projects, which are a prerequisite towards gaining employment in the professional, corporate and academic field. The practical, objective-based, experiential teaching and learning environment has enabled our students to be capable of contributing towards a better diagnosis of issues and towards finding appropriate solutions.

The students of EPM at SPAV have committed to learning pro-active measures with the production approach (i.e., private public sector participation planning) and provision approach (i.e., government sector project planning) towards planning and development. The importance of focusing on green economic developing as well as green infrastructure planning of cities and towns are becomes evident in their courses and project based learning of environment planning and management.

Head & Professor, Department of Planning, SPAV



- Prof. Dr. Abdul Razak Mohammed



Dr. Ayon Kumar Tarafdar Associate Professor



Dr. Adinarayanane R Associate Professor



Mr. Valliappan AL Assistant Professor



Dr. Prasanth Vardhan Assistant Professor



Ms. Naina Gupta Assistant Professor



Ms. Ekta Assistant Professor



Mr. Rajeev R Assistant Professor



Mr. Bhagwat JM Assistant Professor



Dr. Solanki Ghosh Assistant Professor



Dr. Arpan Paul Singh Assistant Professor



Mr. Sreekanth Satheesh Assistant Professor



Mr. Sai Sesidhar Assistant Professor



Ms. Aparna Sai D Assistant Professor

FACULTY PROFILE

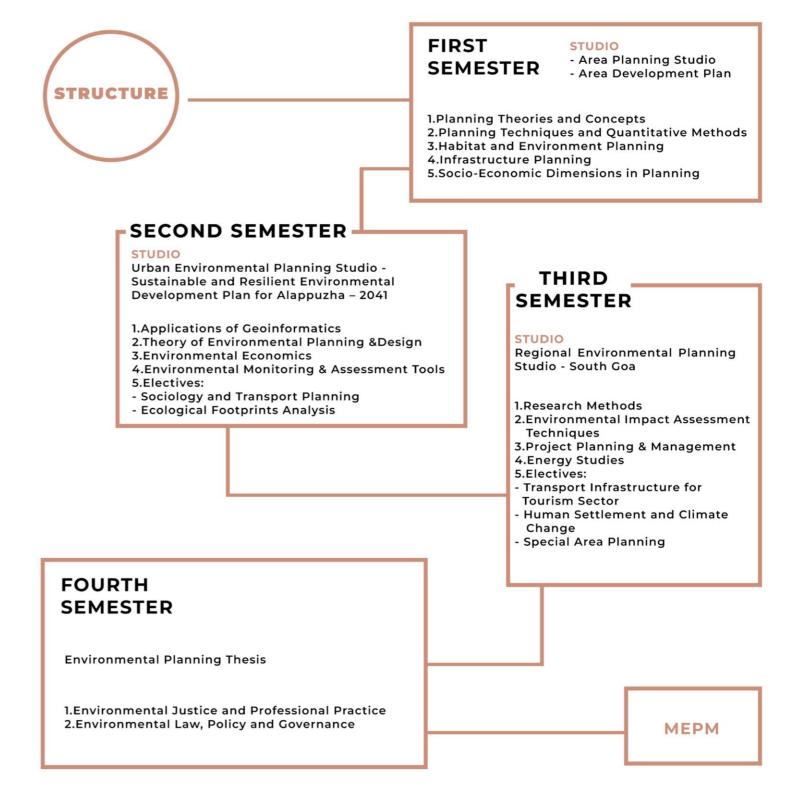
BATCH OF 2021 - 2023 Master of Environmental Planning and Management 19 Students 10 Architects 0 6 Planners 3 Engineers 42% 26% 21% 11%

MEPM

Master of Planning (Environmental Planning & Management), is a two year full time Master's degree program aimed to rationally sensitize the students towards the intricate ecological relationship between nature and human settlements. The program's extensive goal shall basically contain comprehension of physical, socio-economic, cultural, political and ecological dimensions of the human settlements. It will pay particular emphasis to gather baseline data on environmental resources and study how well they may be used to meet human needs.

ABOUT THE CURRICULUM

The course structure and syllabus of the M.Plan (EPM) program is designed in coherence with the Model Curriculum for M.Plan / M.Tech (Planning), All India Council for Technical Education, 2011. M.Plan (EPM) program is divided into four semesters where each semester has a combination of planning studio, lab-based subjects and theory courses





Student Teacher Interaction



World Town Planning Day - 2022



National Conference on Energy Security and Atmanirbhar Bharat

"Challenges of Addressing Questions of the Economy and Finance"

Dr. Sudeshna Mitra

Associate Professor, Indian Institute for Human Settlements, Bangalore

> "Disaster Risk Reduction and Climate Change

Dr. Sudip Mitra Head, CDMR

"Mumbai Metropolitan Region Planning Procedure and Practice"

Dr. Uma Adusumilli

Former Chief Planner Mumbai Metropolitan Regional Development Authority

"Spatial Thinking in Planning Practice"

Mr. Mithun Anand

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Manager, Urban Infrastructure and Tourism, IPE Global Limited

"Socio-economic Challenges towards Spatial Planning"

Dr. Ratoola Kundu

Assistant Professor, Centre for Urban Policy and Governance, School of Habitat Studies, TISS, Mumbai

"Wealthy Cities to Healthy Cities"

Prof. Dr. N. Kavita Daryanii Rao Vice Chancellor, JNAFAU, Hyderabad

> Environmental Values and Assessment of Ecosystem Goods"

Dr. Diptimayee Nayak Assistant Professor Indian Institute of Technology Roorkee

> "Spatial Planning for Rural Infrastructure"

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Dr. P. Kesava Rao Head, NIRD and PR, Hyderabad

"Urban Green Spaces and GIS Applications"

Dr. Kshama Gupta Scientist, Urban and Regional Department, IIRS, ISRO

IIRS along with Town and Country Planning Organization contents of the course for capacity building of personnel.

IIRS Course on GIS based Master Plan Preparation

GIS Based Master Plan for Eluru. Andhra Pradesh

GIS Based Master Plan for Bhimavaram, Andhra Pradesh

Vizag Smart City Documentation

under SAAR & MoUHA

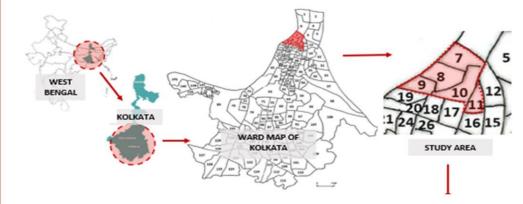
State -Grid of Roads -Chennai (CMDA, Govtof Tamil Nadu)

Participation in National level competitions of Planning

Students of the batch participated in various events in Annual NOSPLAN Convention, 2022 and bagged prizes.

"World Town Planning Day"

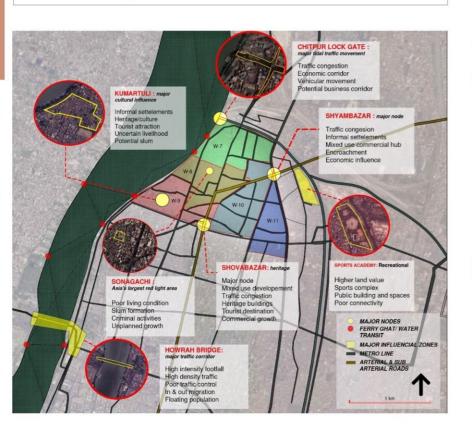
Dr. Bharat Dahiya, Dr. Laura Verdelli, Dr. Sohail Ahmed



Key Aspects of Study
Land use map, Social and
Physical Infrastructure,
Transit Oriented
Development, Housing,

Smart solutions

The objective of this Local area planning project lies in envisaging the study areas as a zone of consolidation and stabilization of growth.



Development

To upgrade and develop the shadow regions to carefully decongestion CBD activities.

Employment Generate job opportunities for the oconomically weaker

Generate job opportunities for the economically weaker population of the study area.

Better living conditions

Formulate better waste management practices

CURRICULU

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Effective TOD policy

Reduction in traffic congestion in the major junctions and to make pedestrian pathways safer and cleaner.

Improving Hygiene

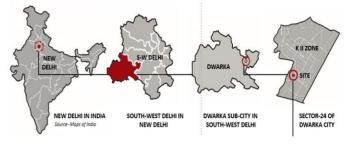
Develop proper vending facilities for local sellers thereby increasing their income.

SEMESTER 1

SITE PLAN







Understanding the site

An area of 1 sq. km must be chosen, and the character must be identified, as well as the research area's aims and objectives.

Site analysis

The area was studied through research and data collecting for each sector through primary and secondary surveys. with analysis of the same. Understanding assessing site conditions and data assimilation.

Literature review

The next step was to do a literature review to better understand the core components and find solutions to the problems that were encountered at the local area level.

Proposals

Analyses and literature reviews have resulted in design suggestions of proposals for housing. Transit oriented development. Vendor Zone relocation Integrated solid waste management.

SEMESTER 2



Key Aspects of the Study

Environment

development

Sustainability

and Resilience

Carrying

Capacity

Composite

vulnerability

Eco sensitivity

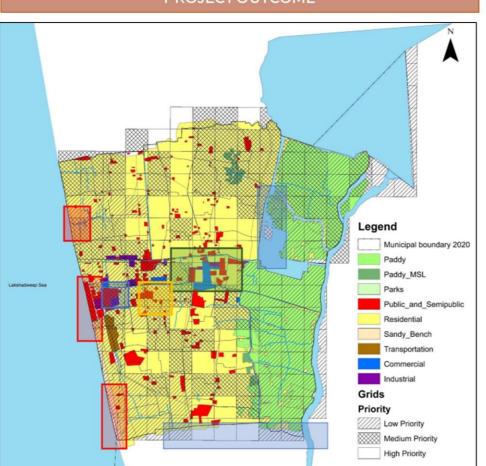
Pollution

plan

Sustainable and Resilient Environmental Development Plan - A Case Study of Alappuzha – 2041

- Alappuzha municipality is located in the south west region of the Alappuzha district of state Kerela.
- It is the administrative headquarters of Alappuzha district and Amballapuzha taluk.
- It is a coastal town with Arabian sea in the west.
- The town is flanked by Vembanad Lake (Punnamada Lake) is the second largest lake in India.

PROJECT OUTCOME



Approach of the study

Eco-sensitivity Analysis

Vulnerability Analysis

> Carrying Capacity

Estimating Pollution Load

Key Issues addressed

Infrastructure Upgradation

Capacity Building

Eco – Tourism

Hazard Management

Wetland Conservation & Management

VISION:

PROPOSAL

To assist the city in strengthening its resilience by promoting balanced growth & development to sustain with adequate infrastructure in a manner that enhances its long term viability derived from social, economical and environmental dimensions.

WETLAND CONSERVATION AND MANAGEMENT

- Adopting environmental regulations for natural system protection
- Re-evaluating the land use policies around the wetland

HAZARD MANAGEMENT

- Proposing Blue-Green infrastructure to reduce flood risk in flood prone areas
- Suggesting measures to increase responsiveness during occurrence of floods

SOCIO-ECONOMIC DEVELOPMENT

- Proposing tourism circuits to boost the economy
- Promoting small and medium scale industries manufacturing local products

INFRASTRUCTURE UPGRADATION

- Adopting best practices for reducing ground water pollution due to fluoride content and landfill sites
- Promoting the use of solar energy & evehicles
- Provisioning multispecialty hospitals and higher secondary schools for capacity building

RESILIENT LAND-USE PLAN

Compiling the proposals spatially to produce a modified land-use plan

ACADEMIC CURRICULU

SEMESTER 3

Regional Environmental and Development Plan South Goa 2041



<u>CONCEPT:</u> While undertaking core regional planning exercises for the development of a region, particular emphasis and inclusion of natural resource baseline, assessment of environmental status, and impacts of anthropogenic activities on environment has been the motive. The outcome of the work has been titled as "Regional Environmental and Development Plan South Goa District, 2041".



S. GOA: 7,60,084



Rural: 53, 504

Urban: 98.341

S.GOA: 1,25,780

GOA: 3,15,974



S.GOA: 963



Literate pop. 6,36,286 Male: 3,36,491(52%) Female: 2,99,795

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LITERACY RATE

87.59

S.GOA: 5,29,201 GOA: 5, GOA: 11,65,487

3,18,707 Male: 1,19,878 Female: 1,29,712 S.GOA 2,58,541 GOA: 5,77,248

Types of **Analysis** Involved

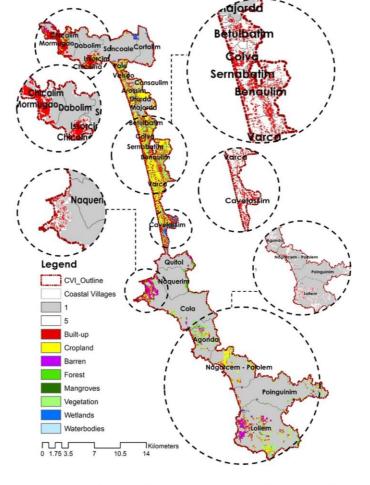
3,732 sq km.

For all the analyses, computing techniques and use of Remote Sensing and GIS were undertaken.

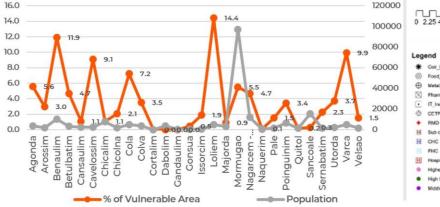
- l. Land suitability analysis with spatial composite weighted index (using GIS)
- 2. Settlement Hierarchy Ordering (Scalo gram & composite weighted indexes for 12 indicators)
- of infrastructure and development)
- 3. Connectivity and Accessibility Analysis
- 4. Watershed Analysis
- 5. Natural Drainage and Percolation Capacity
 Assessment
- 6. Water Budgeting for each sub-basin
- 7. Multi-Hazard Vulnerability Zoning (focusing on floods and landslides)
- 8. Coastal Ecological Vulnerability and Coastal Socio-Economic Vulnerability Assessment

- 9. Bio-diversity Assessment (Eco-sensitivity Grading with bio-diversity indexes)
- 10. Ecosystem Services Assessment
- 11. Agricultural Performance Assessment (at village level)
- 12. Cropping Efficiency and Suitability Assessment (using soil fertility indexes)
- 13. Nutritional Need Assessment Food Security
- 14. Industrial Concentration & Trend Analysis (including pollutants' impact)
- 15. Tourism Carrying Capacity of each spot and Circuit Potential Assessment
- 16. Rural Housing Analysis and Housing Condition studies

Coastal Composite Vulnerability Index w.r.t LULC

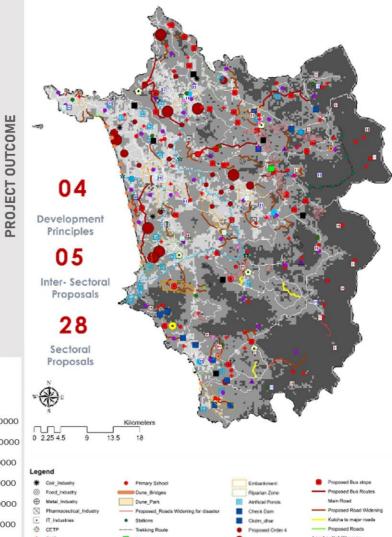






Total Built up under extremely highly vulnerable area is 65 Sq. Km.

The areas with dense built up are Mormugao, Colva, Issorcim, Chicolna according to the map. These villages fall in the High-risk zone.



South Goa District Boundar



ATIYA AFREEN Ranchi, Jharkhand

ARCHITECT - PLANNER

LANGUAGES

English, Hindi, Urdu

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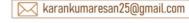
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AREAS OF INTEREST

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Plan for Alappuzha. The study was very detailed and result oriented. The students had studied and understood each and every sector such as demography, physiography, climate, land use, transportation, economy, culture and so on. The wonderful part is that, these students never been to Alappuzha for site visit. Even though they could come up with an outstanding work. They have gone through the secondary data such as reports, articles, YouTube videos etc. I was so impressed of their dedication and smart working. I take this opportunity to wish them all the success in their future endeavors.

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Town Planning officer - Greater Cochin Development Authority

Hyderabad, Telangana

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S RAKSHANA Chennai, Tamil Nadu

ARCHITECT - PLANNER

LANGUAGES

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WORK EXPERIENCE

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Carbon Sequestration in Urban Greens and Blues | Biodiversity conservation | Ecosystem services Air Pollution Modelling & Climate change mitigation

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Environmental Economics | Environmental Impact Assessment | Sustainable Practices of Urban Carbon Sink | GIS | Pollution Monitoring and Control



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Interactive Classes



Planning Batch 2021-2023



GIS Lab



Environmental Lab



Onam Celebrations 2022



Sankaranthi Celebrations 2023



Overall championship 2022 - SPAV



Winning team - SPAV

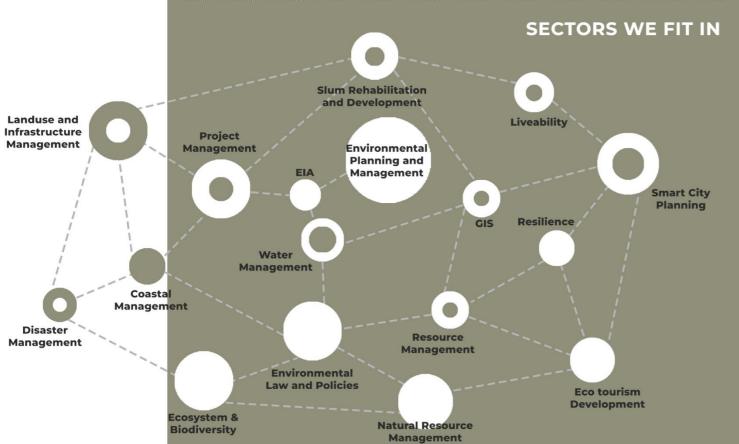
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OUR PAST RECRUITERS

The program is designed to create specialist in the domain of Environmental planning and management Students evolved into planners, who are not only sensitive in their planning approaches but also are versed with the know how of the state of art techniques to suit the need of the industry.

SOFTWARE PROFECIENCY































































Deloitte.

















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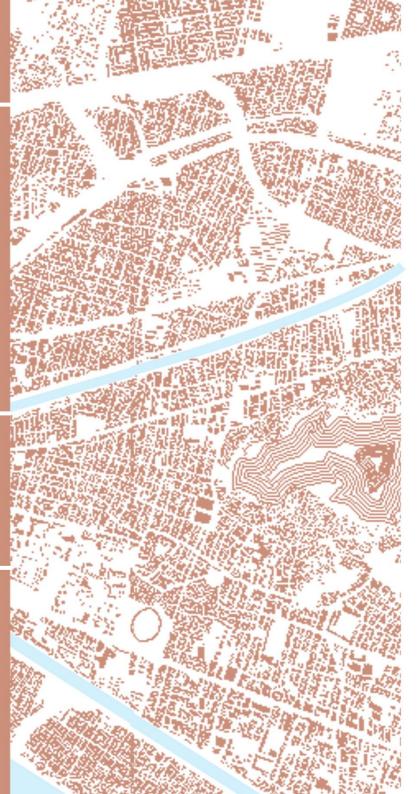
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Auxillia Jerine



THANK YOU