

Professional Portfolio

Urban Design | Project Coordination | Business development in
Healthcare Master Planning

Aishwarya Talluri

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Brief Background

Aishwarya Talluri

Hello !

I am Aishwarya from the Metro Vancouver area.

Allow me to briefly introduce myself. I've earned a Bachelor's in Architecture and a Master's in Urban Design in India, and I have 5.5 years of experience in urban design, project management, and business development. My key work includes projects such as Healthcare master plan, island master plans, and mixed-use township developments in India and the Middle East.

Key projects in healthcare include:

1) **Redevelopment of AIIMS New Delhi**, which is a state-of-the-art mega-scale medical university, I was part of the core team, involved from its inception to the Good-for-construction stage. I lead the transition planning of the existing facility. Currently it has 2000 in-patient bed , with redevelopment, it will accommodate 5000 beds for inpatient . Additionally, it will also house research , academic, conference center, student and staff accomodation . All the functions are designed to be connected by pedestrian ways.

2) Following that, I was the project coordinator and editor for the **Royal College of Surgeons of Ireland, Medical University of Bahrain**.

3) I have also assisted in developing **business pitches** and bid proposals for healthcare projects at AECOM, gaining a substantial working knowledge of the healthcare sector. Additionally, I have contributed to and led key deliverables

in stakeholder consultation and policy documents, collaborating with teams in the USA, China, Australia, and the UK.

I've led and supported projects from bid proposal, stakeholder engagement, visioning to detailed design, gaining a thorough understanding of each phase.

I have recently moved to Vancouver and am very excited to transition to design and project coordination roles in Canada.

Achievements:

Circle of Excellence at AECOM

ISOCARP International Student award for Masters' thesis

References and recommendations available upon request.

Work Experience:

Urban Design and Planning

Project Coordination

Project proposals for business development

Report writing

Publication design

Stakeholder Consultations

Years of Experience : 5.5 Years

Education : Masters in Urban Design

Bachelor's in Architecture

Previous Employers:

2021 to 2024 - AECOM

2018 to 2020 - Design Innovation Center,
Ministry of Human Resource Development



Content

Click on the project for more details

01

02



**Redevelopment of
All India Institute of Medical
Sciences (AIIMS), New Delhi**

Role :
Urban Design and Planning Manager

About

The All India Institute of Medical Sciences (AIIMS), founded in 1956, has been pivotal in advancing healthcare and medical education in India. It embarked on a transformative journey to re-establish itself as a comprehensive medical university with AECOM as the project management consultant to guide this ambitious redevelopment. **The Master Plan envisages integrating all 5 campuses into One AIIMS Campus with wise land usage and optimized infrastructure for the next 50 years.**

Project Area: 194 Acre

Scope of Project

(i) Master Planning: Pre-preparation and preparation of the Master Plan for the redevelopment of campus.

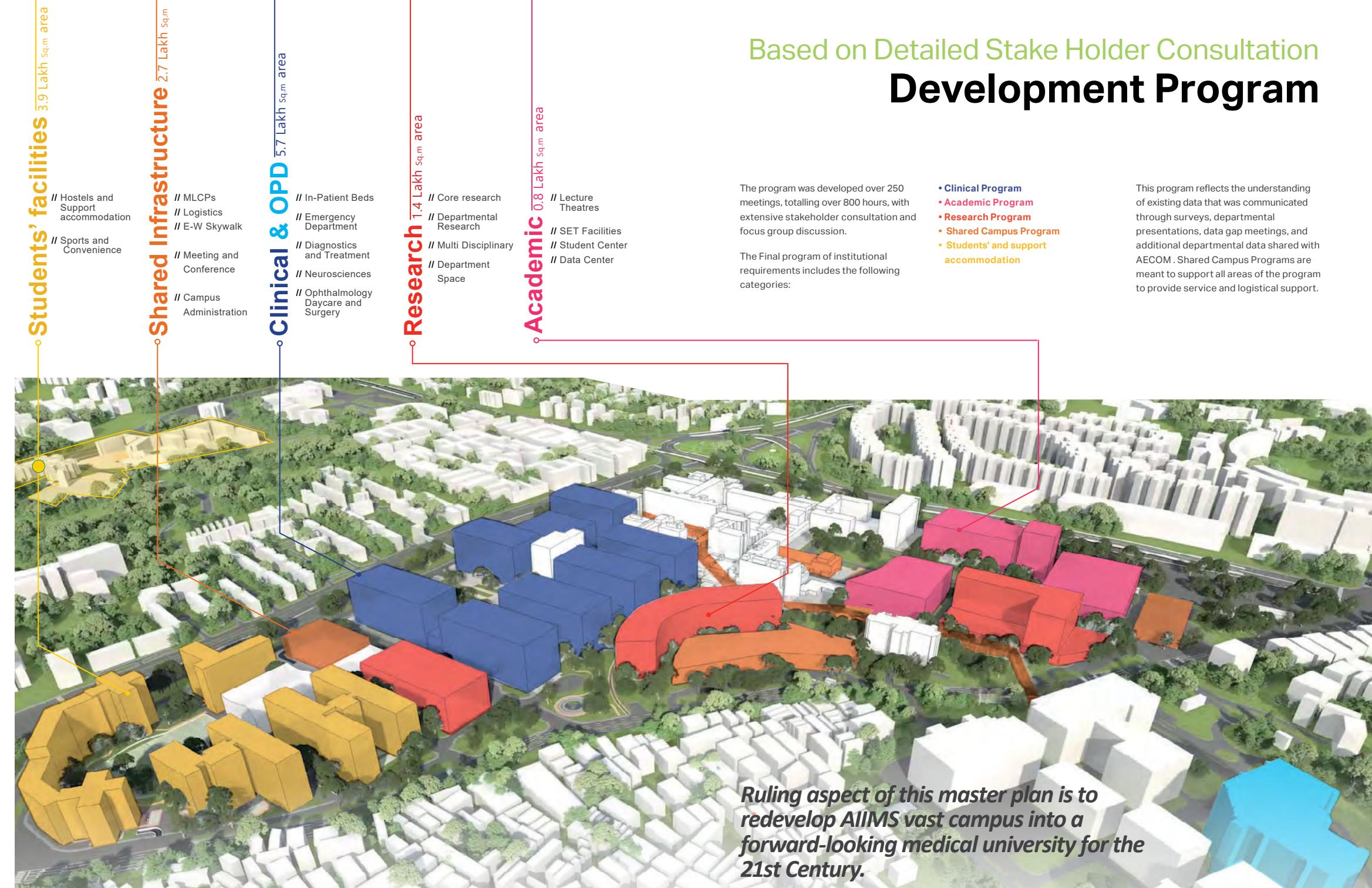
(ii) Programme Wide Services: Management, planning, administration and execution of the Programme/Project in general.

(iii) Project Specific Services: Management, planning, administration and implementation of a specific project or set of projects within the Programme/ Project.

Master planning; Healthcare planning; Mechanical, electrical and plumbing (MEP); Quantity surveying (QS); Transportation planning; Landscaping; Architecture; Urban design; Program management; EIA and Sustainability.

Role :

- // Managed **194-acre brown-field site** documentation and building transition
- // Aided in **university campus design** for 194 acres, focusing on **sustainability and pedestrian spaces**. Developed **900m sky-walk design and public space integration**.
- // Executed **project dossier design** for the Prime Minister's Office.
- // Prepared **PowerPoint for stakeholder consultations**, including for the Prime Minister's Office in India.
- // Coordinated **master plan graphics** and reports for **eight deliverables**; led two.

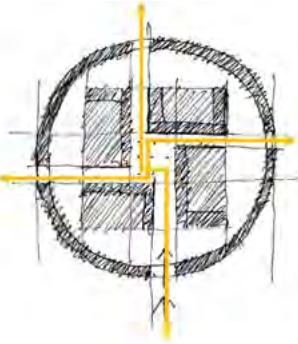


Master Plan FOCUS

- 1 Built form and Design
- 2 Sustainability
- 3 Green Spaces
- 4 Mobility
- 5 Safety and Security
- 6 Infrastructure

Inclusive and Green Public Spaces Urban Courtyards

Zoning Intent and Strategy



Holistic health and wellness is sustained by seven pillars:

Physical, Emotional, Social, Spiritual, Intellectual, Vocational, and Environmental.

These pillars give you a sense of how to work towards your optimal wellness. Our aim in design is to adopt and absorb these pillars and make the hospital a holistically healthy space.

Courtyard of AIIMS Campus

These courtyards have been given meaning based on the activities associated with the adjoining building. Irrespective of its type, courtyards form foundation of holistic healing in healthcare institutes. It allows minds to break away from concerns, reconnecting with nature.

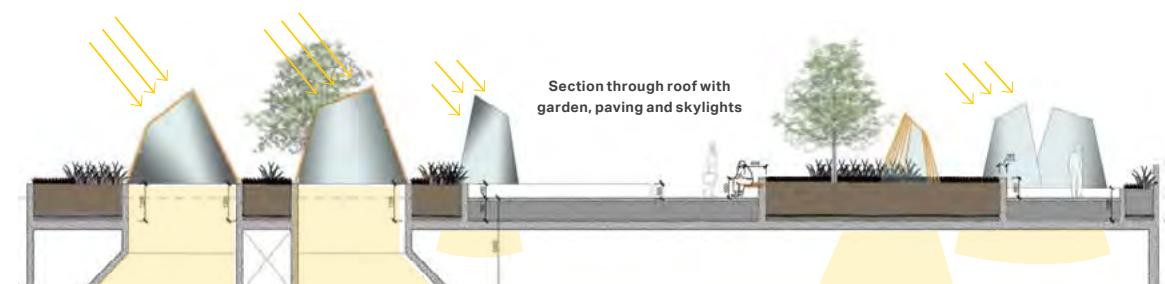


The terrace plans of different buildings are influenced by each one's unique structural features.

The at Student Centre terrace is rather a mixture of many color-contrasting elements. It has seating,

wooden maintenance strip accompanied with stone paving, and tress along the terrace edges for safety. Basic Research Science building top-terraces with cement planters and low height shrubbery. It also has conical glass cut outs to naturally illuminate the

labs below. In contrast are terraces in student housing, which features seating and tall shrubbery. Logistics terrace are planned in a manner that it demands low service and maintenance.



Green Infrastructure

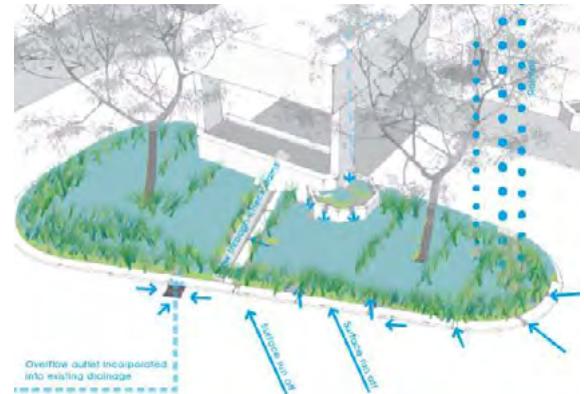
Miyawaki Method of plantation

The Miyawaki method is community-based and people-centered, and can be used to reclaim and re-imagine public space for the benefit of people and the planet



Rain Garden

Rain garden is not to be confused with any pond or wetland. Rain gardens are intentionally planned infrastructural setups, comprised of shrubs, perennials, and flowers, which help to retain 30% or more water, creating more scope for rainwater harvesting.



Healing Garden

Humans always feel close to nature, and gardens become the fittest retreat to patients, their family members, hospital staff and visitors, sharing warmth, light and natural charm.



Pedestrian Experience All-Weather Skywalk

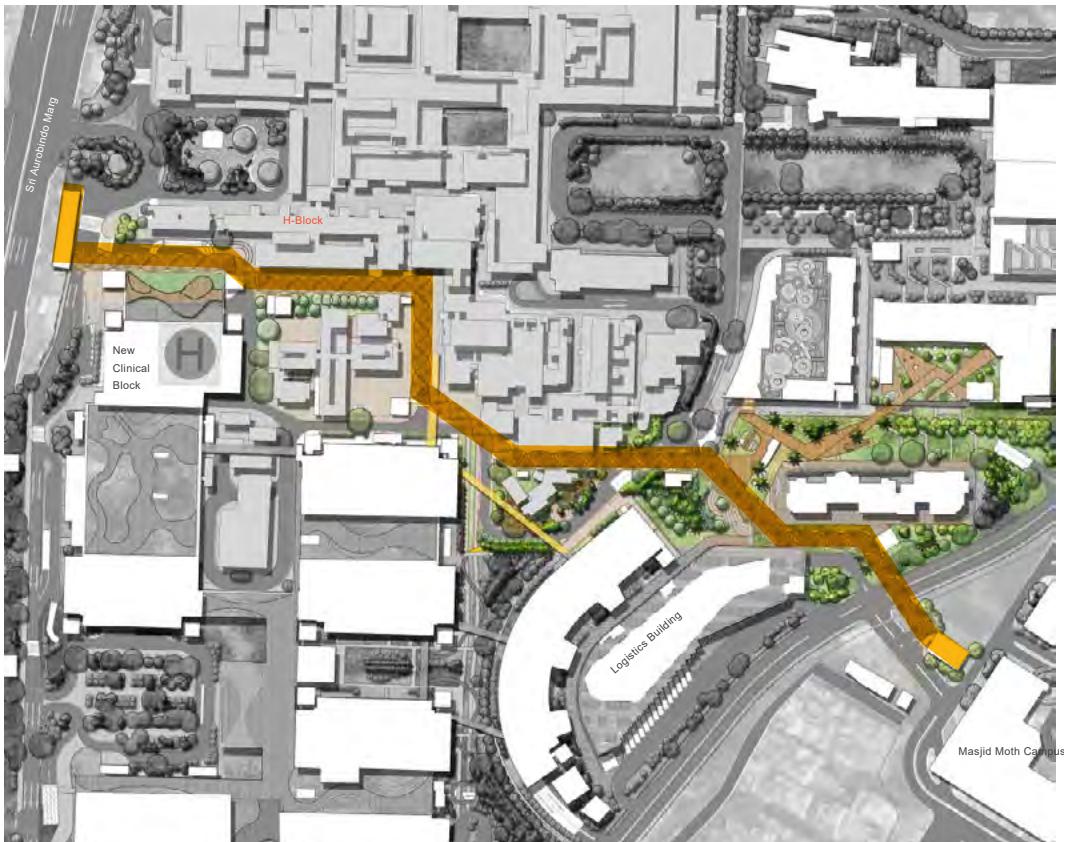
No. of floors: 1
Total BUA : 11,000 Sqm.

The Skywalk, running 900+ meters from east to west, stitches together the entire campus, **providing a patient-friendly 100% accessible route**, with climate control, elevators, escalators and travelators, in a climate-controlled all-weather envelope. As visitors are whisked along, from the concourse of AIIMS Metro Station to the Masjid

Mod campus, they will have views of the campus, while avoiding all worry about finding their own way. Expected to serve over 40,000 footfalls per day, the Skywalk will be one of the most-visited buildings on the campus. With its simple but elegant design, made of renewable resources, it is sure to leave a lasting impression.

Faculty and students are also sure to use this convenient route across campus, which will also allow them access to the Town Centre Plaza.

Fire towers designed to house **public amenities**, including public toilets, lifts, ATMs, benches for resting.



+40K/day

Expected footfall on the skywalk is 40,000 people/day making it the most visited building on the campus. It houses public amenities like toilets, lifts, ATMs and benches.

+900m

More than 900 meters of all weather pedestrian bridge for AIIMS patients, staff members and students, providing easy access to OPD at Masjid Moth. Direct access from unpaid concourse of AIIMS metro station is provided. It also connects to various proposed buildings.

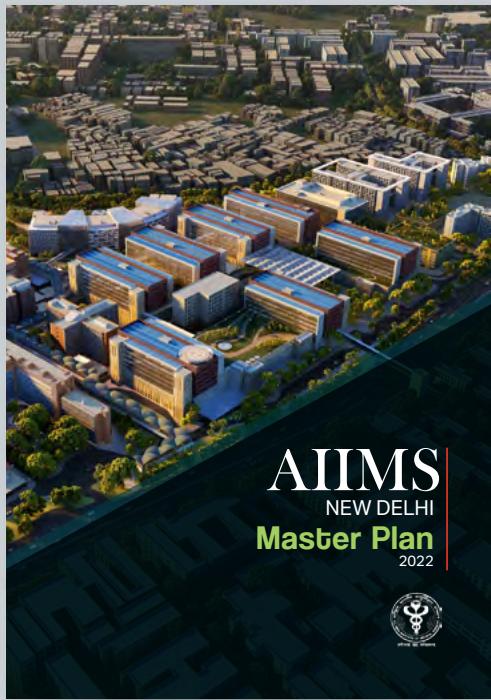
13m

Vertical connections to the buildings and access controlled connection to the basement, thereby creating a unified pedestrian oriented campus.

1

Large Floating plaza that acts as a spill-out area for student centre and Basic Sciences building onto the 3 levels of public realm at the town center, working as a space for interaction.

Project Dossier 80 Pages



Vision for Redevelopment

The Trinity Mission

- Education** Dissemination of learning
- Patient Care** All round Healing
- Research** Exploration of ideas

The creation of a state-of-the-art HEALTHCARE UNIVERSITY that invigorates the environment for ALL ROUND HEALING (by enhancement of Patient-Care) & EXPLORATION OF IDEAS (by advancement of research) resulting in DISSEMINATION OF LEARNING (through enriched Teaching).

ONE AIIMS APPROACH

- Integrated Medical Campus with Academic, Research, IP and OPO
- Clinical, Academic, Research and Residential components are each optimized, and arranged on the campus, in an efficient and functional way

UPGRADED INFRASTRUCTURE

- Sustainable and green Campus
- Smart Infrastructure
- Digitalized Services Design
- GBCI Certified Green Campus
- Pedestrian Oriented
- Resilient IT Spine

RESEARCH & ACADEMIC FOCUS

- Increased Student Capacity to approx. 7500
- Increased Research capability by approx. 3 times
- Plan for Interdisciplinary collaborative, translational research facility
- New Scientific Workplaces Flexibility and Adaptability
- High Technology

PATIENT CENTRIC APPROACH

- De-congesting the existing main Campus by moving OPO to Maud Mid Campus
- 2000 new beds in the main hospital
- High Capacity of Emergency Department
- Increased focus on Day Care
- Higher Number of Critical care beds
- Reduced waiting time

ENHANCED SOCIAL INFRASTRUCTURE

- Holistic campus environment
- Enhanced Amenities for students and staff
- Sports facilities and common areas for use by students and staff
- More than 5,000 new hostels rooms & residences
- Walking & Cycling friendly campus



Future Proof and Robust Infrastructure Shared Facilities

Centralized utilities and logistics for efficiencies of scale and ease of maintenance.

And a patient-centered solution for connecting the opposite ends of the campus, in the easiest, most convenient way.

Approx. 2.7 Lakh sqm of Built-Up Area

Shared Program

- North MLCP**
 - MCP air voice (ground & level 1)
 - 5 levels of parking (above ground)
 - 2 levels parking (below ground)
- South MLCP**
 - Mortuary
 - MFC+Residential
 - 5 levels of parking (above ground)
 - 2 levels of parking (below ground)
- East West Pedestrian Bridge**
 - Pedestrian all weather connection
 - East Metro station to Metro Monorail
 - 900+ meter long
 - Public amenities clustered with 2000 sqm of retail, 470 ATMs, rest spaces, landscaped plaza
- Logistics centre**
 - Central Material management - Approx. 6000 Sqm
 - Kitchen - Approx. 8000 Sqm
 - Dieterics department
 - Laundry - Approx. 3000 Sqm
 - Medical management - Approx. 7000 Sqm
 - Storage management - Approx. 10000 Sqm
 - Data centre - Approx. 2000 Sqm
 - Facility offices, support & maintenance
- Guest house**
 - Guest rooms - Approx. 200 no.s
 - Meeting rooms/collaboration
 - Gymnasium

Accommodation for Student and Support Hostel Accommodation

Over 6000 residential units have been envisaged in the master plan. The residential experience is focused on Trauma Centre Block and East Ansari Nagar Campus. Staff and post-graduate residential units are integrated into the main campus through underground existing tunnel. Rest of the accommodation planned for post-graduates and visiting faculty is located at East Ansari. Whether single or shared occupancy, the five designs offer basic amenities of food, dining, laundry, study, recreation and social units are built around a large green space. 'Courtyard of Pulse' offers spacious

Multi-Purpose Sports Arena

Amenities

The ground floor of the sports arena has common amenities for AIIMS staff and students, it includes shops, food outlets, food court, daily needs shop with large seating area in the bistro...

Sports facilities

First, second and third floor has basketball courts, tennis courts, Olympic size swimming pool, squash court and gym for staff and students.

+50 Teaching departments and Centres
+100 Planners, Architects and Engineers
+250 Stakeholder Meetings
+800 Hours of discussion with AIIMS's staff and faculty in nine months





RCSI Medical University of Bahrain (RCSI-MUB)

Role :
Project coordinator and editor

About

AECOM India has been appointed by RCSI Medical University of Bahrain (RCSI-MUB) for expansion of RCSI till 2034.

Project Area: Approx. 16,000 Sq.m

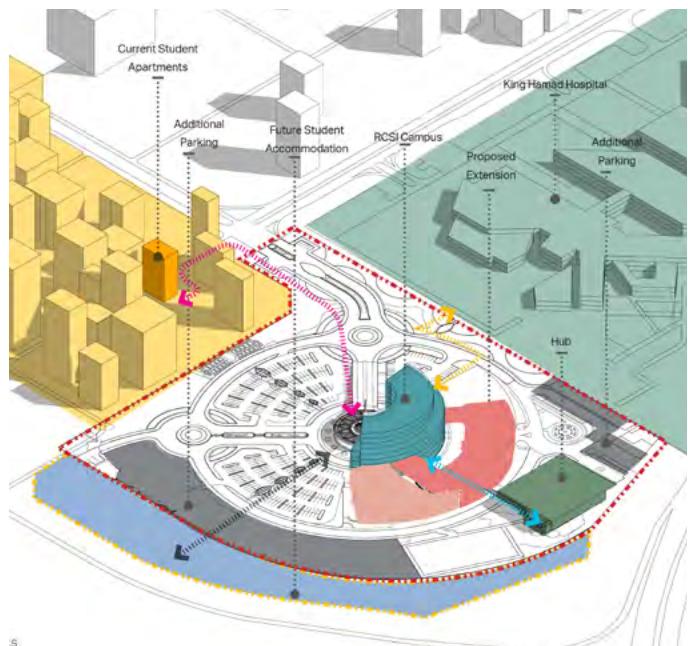
Project Scope :

Master Plan; including healthcare planning and LEAN process improvement lead, concept to tender document stage for the project.

The area program has a conference/exam center, clinical simulation lab, **library, student center, offices, pedestrian bridge to the student sport & recreation center, outdoor courtyard space** and planning for backfill spaces in the existing building.

Role:

- // Project coordination and communication
- // Ensuring implementation of QAQC mechanisms
- // Report structuring, writing and editing
- // Coordination for Good-for-construction drawings.



Project coordination and editor Feedback

Aishwarya, Talluri

From: Robinson, Jonathan
Sent: 23 December 2022 00:31
To: Aishwarya, Talluri
Cc: Laitinen, Curtis
Subject: Re: RCSI-STAGE 1- Concept report DRAFT - For QAQC/content review

Hi Aishwarya,

Fantastic job pulling this all together. Will get my full comments through tomorrow but the majority are on formatting of images, placement etc. just need to make sure the images / photos align, text is the same, they have borders or don't.

Again, great job so far and will touch base in the morning.

Cheers
Jonathan

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From: Aishwarya, Talluri <talluri.aishwarya@ecom.com>
Sent: Thursday, December 22, 2022 3:31:10 PM
To: Altawash, Zaid <Zaid.Altawash@ecom.com>; Metheringham, Michael <Mike.Metheringham@ecom.com>; Koigi, Stephen <Stephen.Koigi@ecom.com>; Laitinen, Curtis <Curtis.Laitinen@ecom.com>; Knox, Joanne <Joanne.Knox@ecom.com>; Le Moal, Nicolas <Nicolas.LeMoal@ecom.com>; Nelson, Henry <Henry.Nelson@ecom.com>; Canning, Jonathan <jonathan.canning@ecom.com>; Kurup, Siju <siju.kurup@ecom.com>; Datla, Ravindra <Ravindra.Datla@ecom.com>; Resuello, Adonis <adonis.resuello@ecom.com>; Sharma, Hirdesh <Hirdesh.Sharma@ecom.com>; Singh, Rohitendra <rohitendra.singh@ecom.com>; Gopalakrishnan, Rajesh <Rajesh.Gopalakrishnan1@ecom.com>; Thomas, Vinay <Vinay.Thomas@ecom.com>; Shaikh Abdulla, Maher <maher.alshaikh@ecom.com>; Rajan, Anoop <Anoop.Rajan@ecom.com>; Andrews, Roslyn <roslyn.andrews@ecom.com>; Ashar, Dhwani <Dhwani.Ashar@ecom.com>; Bansal, Manik <Manik.Bansal@ecom.com>; Sharma, Ashwani <Ashwani.Sharma@ecom.com>; Kumar, Naresh <Naresh.Kumar8@ecom.com>; Abdul Kader, Mohamed A. <Mohamed.AbdulKader@ecom.com>
Cc: Robinson, Jonathan <Jonathan.Robinson@ecom.com>; Singh, Anshu <Anshu.Singh2@ecom.com>
Subject: RE: RCSI-STAGE 1- Concept report DRAFT - For QAQC/content review

Dear all,

For the process of reviewing please follow the below steps :

1. Download a copy of the draft report from the link [PDF 20221219_Current status _CONCEPT REPORT.pdf](#) (or from MS Team->RCSI->Stage 1-> Report->Draft report)
2. Add your comments in the offline file
3. Add your signature in the " QAQC Table" on page 2
4. Rename the file as 20221222_DRAFT_CONCEPT REPORT_DISCIPLINE NAME.pdf"
5. Upload the document in the link here : [QO QAQC STAGE 1](#)

In the QAQC Folder – you can look at comments giving by other disciplines, on your section. Therefore, after everyone has uploaded their commented copies of Draft report, please open each document, in the QAQC folder to gather comments for your section, from other disciplines.

Regards

Feed back by Jonathan Robinson, RCSI Project Manager, AECOM Bahrain



Knox, Joanne 27-12-2022 10:16

Good morning Aishwarya! That is fantastic news - well done! That was a lot of hard work on your part (I saw how long the report was already before it was completed...) Thanks so much for your support and for keeping us all organised and in line 😊

Feedback by Joanne Knox, Associate, Fire Life Safety .

Received

Given



Curtis Laitinen [in](#) · 1st

Technical Director, Healthcare at AECOM India
January 24, 2024, Curtis managed Aishwarya directly

I have worked with Aiswarya on two medical university projects, including the Royal College of Surgeons, Ireland (RCSI), Bahrain campus expansion; and the All-India Institute for Medical Sciences (AIIMS), Delhi. The latter was a 1.51m square meter BUA mega-project, covering over 80% of a 194 acre brown-field site. It was a complete university, with healthcare, education, research, faculty, staff and student housing, and shared support functions.

She has good architecture, graphic design and communication skills, and asks questions when something is not clear.

Aishwarya was a great team member and an important part of our team's internal communications, tracking coordination issues and following up with other team members. She works well with others and brings enthusiasm and positive energy to a project. She's organized, detail-oriented, reliable and gets things done.

If a firm is looking for a motivated, growth-oriented architect/ urban designer, Aishwarya is highly recommended.

Feedback by Curtis Laitinen, Technical Director, AECOM India, Project lead RCSI and AIIMS New Delhi.

Thank-you

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