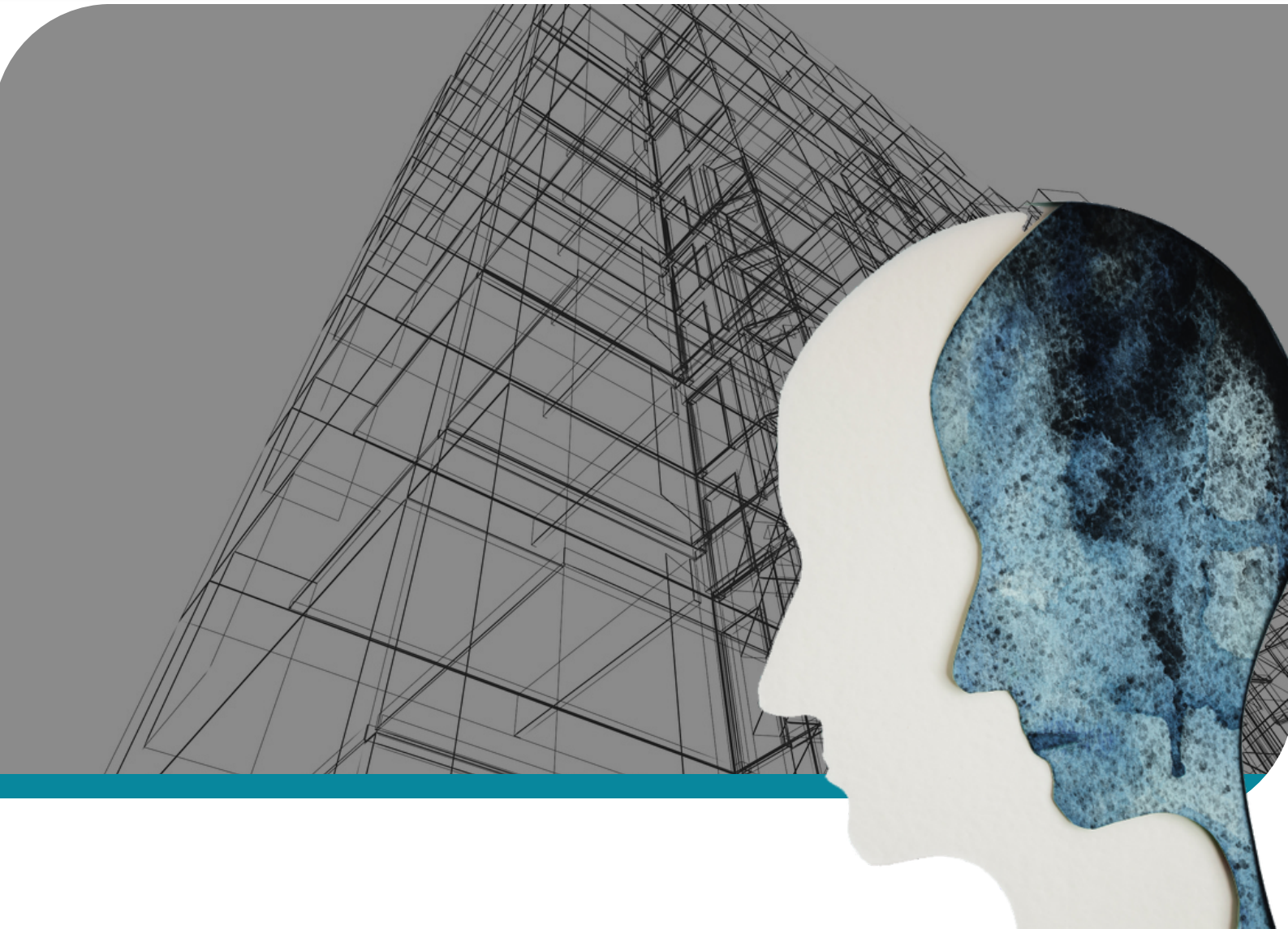# ARC+EAL

HOSMAC HEALTHCARE ARCHITECTURE COMPETITION 2023

HOSMAC INDIA PRIVATE LIMITED
Hospital Planners and Management Consultants

Announces

All India Architectural Student competition for designing
'Centre for Psychosocial Rehabilitation'

HOSMAC
PERFECTING HEALTHCARE

About The Competition Program

A Centre for Psychosocial Rehabilitation is a facility focused on treating and healing those afflicted with mental illnesses and conditions.

Mental health is more than the absence of mental illnesses. It includes mental well-being, prevention of mental disorders, treatment, and rehabilitation. Mental illness can manifest in many forms, beginning with autism and cognitive impairment in childhood, depression, anxiety, substance misuse, and psychosis in maturity, and ending with dementia in old life.

WHO estimates that, globally, one in every eight individuals suffer from a mental disorder. In sum, mental health illnesses constitute for 15% of the global disease burden.

In the latest national survey on mental health, conducted in 2017, found that one in every seven Indians are afflicted with some form of mental health issue. In India, more than 80% of people do not seek professional psychiatric assistance due to a lack of understanding about the issue, the taboo affiliated with it, a lack of qualified experts, insufficient financing, and a low priority given in the national budget. The Indian economic loss due to mental health conditions, between 2012-2030, is estimated at USD 1.03 trillion.

The typology and imagination of this unique program, so specific to modern day society, can be critically challenged and re-defined as per the context the participants shall choose to design the Centre for Psychosocial Rehabilitation for ARCHEAL 2023. Some of the questions framed by this year's ARCHEAL are as following:

How can we use the narrative of "Mental Health" and explore programs in healthcare facilities, which get articulated, into an architectural form, which is embedded, into an India context?

- What is the meaning of a rehabilitation center?
- How must a space for treating mental illnesses be planned, designed and managed in India's rural or urban societies?
- What is the broader role of mental rehabilitation design in 21st century India?

Background of ARCHEAL

The ARCHEAL 2023 (earlier known as HOSMAC Healthcare Architecture Competition) for students all over India is the fifth edition of HOSMAC's architecture competitions, instituted since 2016.

2016 Design Challenge: Rural Community Healthcare Center
2017 Design Challenge: Centre for Assisted Living
2018 Design Challenge: Centre of Children Health
2019 Design Challenge: Sports Medicine Center'

Winners for ARCHEAL 2023 will be felicitated at HES 2023.

About Hospital Engineering Summit, 2023

Hospital Engineering Summit (HES) is a flagship event of the HOSMAC, launched in 2018.
HES provides a knowledge platform to interact and learn the latest solutions to help delegates in their quest in building new as well as upgrading their existing hospital facilities in India. It showcases solutions, technologies and services for designing, planning and building healthcare infrastructure.
It is the ideal place to network and learn from some of the best leaders in the industry. The day-long conference is witnessed by major industry players and covers cutting edge topics that focus on healthcare design, sustainability and planning and infrastructure development.
The theme for HES 2023 is Sustainable Hospital Design scheduled to be help in Mumbai in August this year.

About HOSMAC

The competition is instituted by HOSMAC, a pioneering name in Hospital Planning and Management Consultancy in India and the Middle East. HOSMAC has designed more than 30 million sq.ft. of built hospital space in India and overseas and has a well-established design studio in Mumbai and Dubai with full-service capability of undertaking architectural, structural, MEP and interior design in house apart from
rendering construction management services to their clients. Lead planners in HOSMAC have international exposure and are well versed with latest trends in design technology including Sustainability Planning, Pre Engineered buildings, Construction Management and BIM modeling.

HOSMAC strongly believes in the philosophy and future of mental wellbeing in the Indian context and hence is instituting this competition as part of that belief wherein winning team members would be offered internship opportunity in their design studio in Mumbai or in Dubai. This may also lead to employment opportunity upon the winner's graduation.

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Healthcare Architecture Competition 2023 Challenge

- To help Students of Architecture get an insight into upcoming opportunities in Healthcare Design space
- To propose creative healthcare solutions in specific local context
- To get insight into the functioning of 'Centre for Psychosocial Rehabilitation' which were established with the objectives of providing a comprehensive healing and treatment of those afflicted with mental illnesses like depression, anxiety and substance abuse. This subject is tremendously important to Indian society in light of the rising burden of the mental health conditions.

Site and Context

- Students have choice of selecting any site in all of India.
- Site should be able to accommodate a 50-bed 'Centre for Psychosocial Rehabilitation'
- Minimum Total area of the facility should be MINIMUM 30,000 Sq. Ft
- Justification of selected site with an interpretation of the local / regional context must be explained through text / diagrams / drawings / models / pictures etc.

Detailed program brief of Centre for Psychosocial Rehabilitation

- Delivery of healthcare services in a Centre for Psychosocial Rehabilitation requires medical care, pharmacological intervention, psychological counselling and but also all the complementary facilities including therapy halls, space planning and other services.
- The absence and non-functionality of one or more of the complementary inputs affect the quality of services, which are vital for healthy and dignified healing of children.
- The Centre for Psychosocial Rehabilitation program for ARCHEAL 2023 can be broadly summarized as:

Facility	NO. OF ROOMS	AREA (SQ FT)	TOTAL AREA (SQ FT)
Public Spaces			
Entrance Area (Reception/ Waiting/ Locker)	1	200	200
Meditation Room	1	200	200
Kitchen with store and dining	1	2000	2000
General Library	1	1000	1000
Visiting Area	1	500	500
Gym	1	1500	1500
Swimming Pool	OPTIONAL		
Patient Spaces			
Single-occupancy residential suites	UPTO 50	200	10,000
Pharmacy	1	80	80
Consultation Room: Psychiatrist & Counsellors	6	120	720
Therapy/Recreational/Meeting Hall	4	200	800
Intensive Care Unit (ICU) beds	2	150	300
Support Spaces			
Onsite Caretakers Room	1	150	150
EMG Room (Diagnostics)	1	150	150
Chief Medical Officer Cabin	1	200	200
Administrative block (Open office + 2 Cabins)	1	300	300
Services			
Washing Machine Area (self-service for patients)	1	200	200
Engineering/Utility Block (transformer/DG/Electrical Panel, etc.)	1	2000	2000
Wet / Dry Waste	1	100	100
Security Cabin	1	100	100
Total Area			20,500
Circulation Area (45% of total area)			~9200
BUA			~29,700

- The area should be well-landscaped with walking pathways, healing gardens, sitting spaces and provide positive sensory stimulation
- 30% circulation area (inclusive of corridors, lobbies, stairways and elevators)
- Students have a choice of adding an alternative program (max 2000 Sq Ft), which can work in harmony with the existing program of the 'Centre for Psychosocial Rehabilitation and help in enhancing the relationships with existing local context.
- Rainwater harvesting, solar power, Biogas plant, wastewater treatment, grey water recycling etc. can be explored as systems which aid the Centre for Psychosocial Rehabilitation.
- Minimum built up area of the facility has to be 30,000 Sq Ft minimum
- ·The Area Statements have been provided only to get a sense of volume and overall footprint of the facility for this competition only.
- The spatial typologies of the mentioned functions can be critically challenged to meet the contextual brief of the selected context.
- Students should rethink the way traditional healthcare spaces work to find prolific planning and experiential alternatives in the local context they choose.
- Students should creatively interpret the program to propose new ways of imagining and experiencing healthcare spaces.

Design Requirements

- Self sustainable and low maintenance design solution
- Robust building construction using local materials
- Easy accessibility in terms of building design for all disabilities
- Gender sensitive and privacy planning
- Sensitivity towards the built fabric of the context
- Strong conceptual connections to local surroundings
- Climate and ecosystem response has to be presented
- Sustainable place-making from an economic, social & environmental perspective
- Outstanding & original design informed by contemporary ideas of local context
- Neuroesthetic sensibilities and incorporation of healing spaces

Schedule

- Start of Competition and Registration: 30th April 223
- Early Bird registration closing: 15th May 2023
- Normal Registration Ends: 15th June 2023
- Closing Date for Submission: 30th July 2023
- Announcement of Winners: 15th August 2023
- All Deadlines are 11:59 pm – 00:00 IST (India)

Prizes

- The Jury shall select 3 winning entries that will receive a cash prize and certificate from HOSMAC.
- 1st Prize: Rs   75,000/- + Certificate
- 2nd Prize: Rs 50,000/- + Certificate
- 3rd Prize: Rs 25,000/- + Certificate
- The Jury shall also select 2 Honorable Mentions.
- All top 5 entries will be published on Healthcare Executive Magazine powered by HOSMAC
- Winning team members could apply for a paid internship opportunity in HOSMAC design studio in Mumbai or Dubai. Selection would depend after virtual interview.

Method for Submission of Design Entry

- One A4 size ID Document with college ID scans of maximum 4 participants. (Max 1MB)
- One A4 Size College Documents with college letter head mentioning bonafied students name and DOB (max 1MB)
- Incase team has students from multiple schools they should provide a letter from each participants school
- Write up Document of max 1000 words on A4 size paper describing site context, response, concept, design strategy, sustainability, economic aspects and energy conservation etc. (max 1MB)
- Two A1 Size Design Panels (Landscape Orientation) describing the project using any medium possible (max 15 MB)
- A unique identification code will be provided upon registration which should be mentioned on BOTTOM RIGHT CORNER of all submitted pages / panels.
- Do not include your name or school name on Write up document and Design Panels.
- Sketches, Photographs, 2D drawings, 3D Models, Perspectives Renderings, Wall sections, Diagrams, Master plans etc can be used to meet the expectations of the Design Brief.
- Submission Format: A single folder named as your team code (ARCHEAL2023_001) containing the following files must be submitted via email to submission@hosmac.com within the deadline of 30th July 2023.

1. ID_ARCHEAL2023_001.pdf   (Max 1 MB)
2. COLLEGE_ARCHEAL2023_001.pdf   (Max 1 MB)
3. WRITE UP_ARCHEAL2023_001.pdf   (Max 1 MB)
4. DESIGN _ARCHEAL2023_001.pdf   (Max 15 MB High Resolution)

Eligibility Criteria

- All current students of architecture (Bachelors) are eligible to register.
- All Students who have passed out in the last one-year (since 2022) are also eligible to register.
- Participants can form a team of maximum four members only.
- Submission Package should not exceed 25 MB.
- Submission of Design Panels and Write Up Document should not include the names of the participants / school anywhere.
- Participants will be disqualified if any of the competition rules or submission requirements is not considered.
- Participation assumes acceptance of regulations.
- Team code is the only means of identification of a team during judging as it is an anonymous student competition
- Official language is English
- As the competition organizer, HOSMAC reserves the right to modify competition schedule if deemed necessary.

Registration

- Early Bird Entrance fee for registration: Rs 1500/- (Per Team)
- Normal Registration Fee: Rs 2000/- (Per Team)
- Participants may register by filling the registration form and submitting it with the appropriate payment through a secured gateway on our website: http://www.hosmac.com\
- It will not be possible to amend or update any information to your registration including the names of team members once validated.

CONTACT INFORMATION FOR INQUIRY

COORDINATOR: DR. SWETA JALAN & MS. ASMITA SALVI

EMAIL: SWETA.JALAN@HOSMAC.COM

CONTACT NUMBER: 99305 50034/ 93269 04688