

2019-20 to 2023-24

Criterion 3 – Research, Innovations and Extensions

Key Indicator 3.5 Collaboration

**3.5.1: Number of functional MoUs/linkages with institutions/
industries in India and abroad for internship, on-the-job
training, project work, student / faculty exchange and
collaborative research during the last five years**



SSR 2019-20 to 2023-24	Satisht Misal Educational Foundation's
Criterion 3 –Research, Innovations and Extensions	BRICK SCHOOL OF ARCHITECTURE
3.5.1: Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years	

Index (content)


As part of our commitment to fostering meaningful collaborations with various institutes, industries, and NGOs, we meticulously document each activity undertaken under these partnerships. This systematic documentation ensures that we maintain a comprehensive record of the diverse initiatives and outcomes resulting from these collaborations.

Attached to this report, you will find examples of our documented activities from each year. These reports highlight the scope and impact of our collaborative efforts, showcasing our dedication to creating valuable educational and practical experiences for our students and contributing to the broader community.

We believe these examples will provide a clear understanding of how we leverage these collaborations to enhance the quality of education and community engagement at our institution.

1. Year Wise report.....



SSR 2019-20 to 2023-24	<small>Satish Misal Educational Foundation's</small>
Criterion 3 –Research, Innovations and Extensions	 BRICK <small>SCHOOL OF ARCHITECTURE</small>
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2023-24

Collaborations

Onsite Learning for students of M. Arch Design & Project Management

Name of the Activity:

Onsite Learning - M. Arch Design & Project Management students learning practical project planning and management at Project site

Dates: Every Thursday, Term I & Term II AY 2023-24

Brief of the Activity:

The M. Arch Program in Design & Management follows pedagogy of “Learning through Projects”. Being a project management program the practical learning from the project sites is irreplaceable and SMEF’s Brick School of Architecture has implemented a Year-Long collaboration activity; wherein Brick approaches renowned Real Estate Developers in Pune and arranges for “onsite learning” for a group of students.

The process was initiated in July 2023, wherein the faculties approached Kumar Properties Group, VTP Realty and Vilas Javdekar Developers for the on-site learning activity. Having signed MOU with Brick, the developers facilitate the onsite learning of M. Arch DPM students by providing access to one of their large scale projects, interaction with project team and sharing drawings & documents as feasible.

The object of on-site learning is shared with the developers and project team before the students report to the respective sites. Students are exposed to various aspects of large scale projects during its pre-construction and construction phase. As per the academic curriculum, the courses of each semester highlight the learning requirements and data collection that the students perform at the site.

For Semester I the core courses - Project Budget Planning and Scheduling Techniques Studio and Elective I – Project Appraisal- were aligned with the on-site learning. For the Semester II the core courses – Design & Engineering Integration Studio for Performance of Complex Projects and Elective II High Rise Services were aligned with On-site learning.

Considering the requirement of a non-residential large scale project, the coordinating faculties approached Panchshil Realty for access to project site and information to one of their commercial projects. Though MOU is not signed with Panchshil Realty, they were accommodating to collaborate with Brick for academic enrichment.

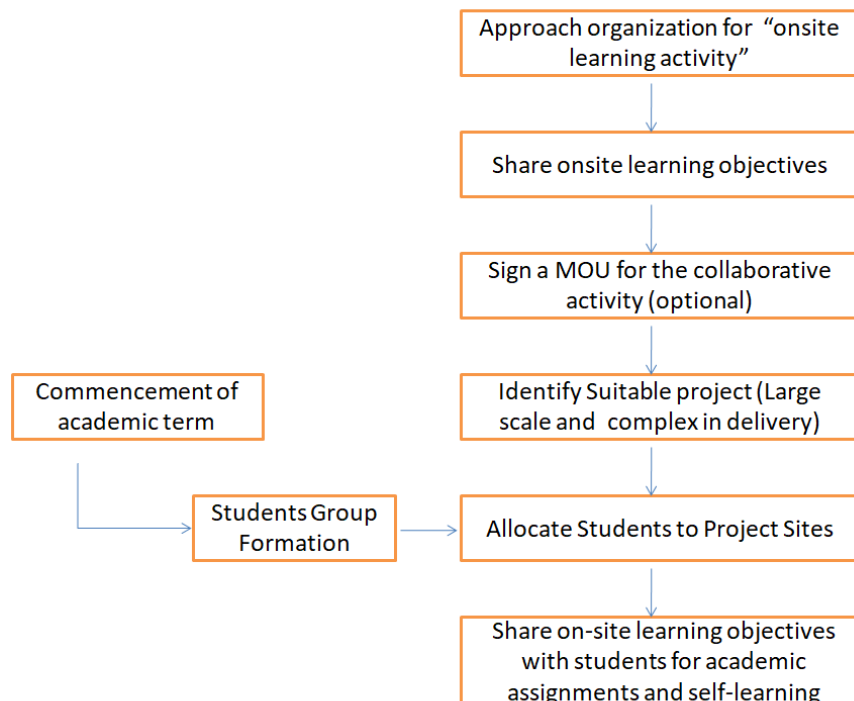
Collaborations

Onsite Learning for students of M. Arch Design & Project Management

Project Sites allocated to students

Collaborating organization	Panchshil Realty	Vilas Javdekar Developers	VTP Realty	Kumar Properties Group
MOU signed with Brick	No	Yes	Yes	Yes
Project Site allocated to students for On-site Learning	Prestige Vantage Towers, Kharadi	VJ Portia Grande, Baner	VTP Euphoria, Kharadi	Kumar Princetown Royal, Undri
Students engaged in activity (12 Students)	1. Ishwari Tilekar 2. Siddhant Kamat 3. Aaditi Varma	1. Ajinkya Barke 2. Sayali Chinchore 3. Parth Thorat	1. Noaman Bagwan 2. Gauravi Kawade 3. Prasad Mahajan	1. Ayesha Dabir 2. Omkar Kale 3. Gauri Waikar
Faculty Coordinator	Ar. A Raghunandan	Ar. A Raghunandan	Ar. A Raghunandan	Ar. Farhana Kapadia
Contact at Project Site/Organization	Mr. Jakir Kazi	Ms. Khushi Indani Ms. Akshata Uttekar	Mr. Kalyan Kingston Mr. Omkar Adsul	Ar. Rohit Sardesai Ar. Manjiri Deshpande

Process of On-Site learning Activity



Collaborations

Onsite Learning for students of M. Arch Design & Project Management

Onsite learning objectives shared for Semester I

SMEF's Brick School of Architecture, Pune						SMEF's Brick School of Architecture, Pune		
M. Arch in Design & Project Management						M. Arch in Design & Project Management		
Project Specific On-site Study and Studio topics						Project Specific On-site Study and Studio topics		
On-site Study			Studio assignments based on on-site project study					
Sl no.	Week	Date	Learn from Site	Interact with Project Team	Drawings/documents to be studied (detailed in Appendix A)	Project Budget planning & Scheduling technique Studio	Functional Performance of Building Services	Elective I- Project Appraisal
1	Week 1	31-Aug-2023	Familiarization with project and scope	Project Manager	Understanding Organisation and its hierarchical structure, Departments (eg: HR, Procurement, QS & billing, etc.) and their responsibilities (including internal communication protocol) Project Brief, Scope of organization in the Project, understanding stakeholders and their role in the project and Project team. Collecting over all project information including drawings, details, specifications, etc.		HVAC	Appraisal of Architectural aspects - context, space allocation, area assessment (BUA, Sale Area, Construction area, FSI consumed vs available, services, amenities, road, parking, etc.), project program (Spaces and services), Site layout, External development, Floor plans, sections, elevations, details, BOM (specifications), Identifying complexity (key risks) etc. Appraisal of Structural Aspects - (Soil report, construction technique, technology applicable, structural design and detailing, identifying bottlenecks, etc.)
2	Week 2	7-Sep-2023	Familiarization with Architectural aspects	Project Coordinator/design coordinator/ Design development team	Analyzing Architectural Drawings and specifications along with applicable Bye Laws.	Project familiarization and internalizing scope of organization working in the		
			Studying project site, site logistics	Project Manager	Location of site amenities and infrastructure to enable construction process	Construction Logic proposed		
			Construction logic	Project Manager	Construction Logic adopted at site and underlying reasons			
3	Week 3	14-Sep-2023	Familiarization with Structural Aspects	Project Coordinator/design coordinator/ Design development team	Analyzing Structural Drawings and Specification	WBS	Plumbing	Appraisal of Plumbing aspects (Water demand, waste water load, technology for water supply (available vs adopted), Technology for waste water handling (available vs adopted), specification of fittings and fixtures (available vs adopted)
			Work packages and responsible agency	Project Manager	Observing the various work packages required for project delivery and listing the responsible agency	Activities (identification, sequencing, quantity, duration & resources estimation) Project Schedule (Project Calendar (commencement, planned end date, milestones, non-working days), project execution plan)		
4	Week 4	21-Sep-2023	Familiarization with PHE & FPS aspects	Project Coordinator/design coordinator/ Design development team / MEP Engineer	Analyzing PHE & FPS drawings and specifications			
			Study contract to understand activities, specifications and costing	Project Manager	Studying contracts to understand specification & costing			
5	Week 5	28-Sep-2023	Familiarization with Electrical Aspects	Project Coordinator/design coordinator/ Design development team / MEP Engineer	Analyzing Electrical drawings and specifications			
			Identifying activities	Project Manager/ Project Coordinator				
6	Week 6	5-Oct-2023	Familiarization with Mechanical & other services aspects	Project Coordinator/design coordinator/ Design development team / MEP Engineer	Analyzing Provisions for mechanical ventilation, circulation, security (CCTV), data, etc.	Resource Management (Identification, allocation, smoothing, levelling)	Electrical	Appraisal of Electrical aspects (Water demand, waste water load, technology for water supply (available vs adopted), Technology for waste water handling (available vs adopted), specification of fittings and fixtures (available vs adopted)
7	Week 7	12-Oct-2023	Resource (labor) requirements and productivity data	Project Manager	Sourcing labor, classification, skills type, skill level, Labor productivity data as per organization standards			
8	Week 8	19-Oct-2023	Resource (materials & Tools) requirement & inventory planning	Project Manager/ Project Coordinator/ Store Manager	Raising PR, issuing PO, receiving at site, inspection, storage, issue for consumption, audit & reconciliation	Budget planning (cost estimation, cash flow projections, etc.)		
9	Week 9	26-Oct-2023	Project Schedule	Project Manager/ Project Coordinator	Study the Project Schedule, resources, Milestones, critical tasks, near-critical tasks, float/slack etc.	Schedule Project and Set baseline	Circulation and security	
10	Week 10	2-Nov-2023	Schedule monitoring and controlling	Project Manager/ Project Coordinator	Work Progress Update in schedule, benchmark revision or schedule revision	Monitoring & Controlling (progress monitoring, progress update, delay analysis, EVM, weekly progress report, monthly progress report etc.)		Alternative analysis
11	Week 11	9-Nov-2023	Earned Value Management	Project Manager/ Project Coordinator	Planned vs earned, Schedule variance, cost variance, Schedule performance Index, Cost performance Index, standard deviation, corrective measures adopted		Interdisciplinary Coordination, IBMS	
12	Week 12	16-Nov-2023						
13	Week 13	23-Nov-2023						
14	Week 14	30-Nov-2023	Assignment Assimilation Week at College			Assimilation and Assessment of submission		

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Collaborations

Onsite Learning for students of M. Arch Design & Project Management

Onsite learning objectives shared for Semester I

SMEF's Brick School of Architecture, Pune						
M. Arch in Design & Project Management						
Project Specific On-site Study and Studio topics						
On-site Study			Studio assignments based on project specific			
Sf no.	Week	Date	Learn from Site	Interact with Project Team	Drawings/documents to be studied	Elective II- High Rise Building Services - Execution Planning (EIU)*
1	Week 1	11-Jan-2024	Progress Tracking Track progress of project since previous visit	Site Team		
2	Week 2	18-Jan-2024	Study Water related services Scope- Deliverables and their specifications	Design Manager/Coordinator & Site team	As site: Water related services -Design Basis Report and BOQ As HO: Project proposal	Project Alignment with Business Objective How is the project adding value to business (eg: increasing profits, increasing portfolio size, increasing brand value, increasing customer confidence and satisfaction, increasing ESG aspects etc.)
3	Week 3	25-Jan-2024	Execution planning for mock up of a toilet Identify execution activities and deliver planning requirements Identify links (predecessor/successor with civil and other services work)	Design Manager/Coordinator & Site team	As site: Construction Schedule, BOQ and Standard operating procedure (for activities) As HO: Design team Organization Structure	Preconstruction Design Management Overview (a) Design Team, roles and responsibilities w.r.t design management
4	Week 4	1-Feb-2024	Execution planning for mock up of a service block or a residential unit for residential units, kitchen will also get included Identify links (predecessor/successor with civil and other services work)	Design Manager/Coordinator & Site team	As site: Construction Schedule, BOQ and Standard operating procedure (for activities) As HO: Communications documentation (minutes of design coordination meeting etc.)	Preconstruction Design Management Flowchart (Identify design management processes (involving design development team and cross functional integration such as procurement, estimation etc.) Communication within design team and cross-functional communication (What is communicated, when is it done, who does it, format for communication, documentation maintained) Communication could be an instruction/ task/ event/ deliverable etc.
5	Week 5	8-Feb-2024	Execution planning for mock up of 1 floor Service shafts and ducts to be studied Identify links (predecessor/successor with civil and other services work)	Design Manager/Coordinator & Site team	As site: Construction Schedule, BOQ and Standard operating procedure (for activities) As HO: Design development schedule, statutory compliance framework.	Design Management Processes Timeline from ideation to launch and final delivery (a) time taken for feasibility, design development, procurement (b) policy of time for legal compliances, consultant on-boarding, vendor on-boarding (c) budgeting and stages of cost estimation (d) design review meetings
6	Week 6	15-Feb-2024	Execution planning for mock up of 1 Tower Basement and terrace area to be studied Identify links (predecessor/successor with civil and other services work)	Design Manager/Coordinator & Site team	As site: Construction Schedule, BOQ and Standard operating procedure (for activities) (EI)* As HO: Project Brief (DEIS)*, Contract document for consultant service (PPM)@	Project Definition Feasibility of project, formulation of project brief (Detailed Project Report) for architectural design, Design basis report (DBR) for services design, project success criteria Energy Codes and Energy efficiency consideration
7	Week 7	22-Feb-2024	Study Electrical - Deliverables and their specifications	Design Manager/Coordinator & Site team	As site: Electrical system -Design Basis Report and BOQ As HO: Schematic Drawing and related processes	Stages of Design Development - Roles and responsibilities of design manager/coordinator in Schematic / outline / conceptual design
8	Week 8	29-Feb-2024	Execution planning for high side electrical services Identify links (predecessor/successor with civil and other services work)	Design Manager/Coordinator & Site team	As site: Construction Schedule, BOQ and Standard operating procedure (for activities) (EI)* As HO: Preliminary Drawing and related processes	Stages of Design Development - Roles and responsibilities of design manager/coordinator in preliminary design and specification - Integration with engineering aspects
9	Week 9	7-Mar-2024	Execution planning for Electrical Shaft Identify links (predecessor/successor with civil and other services work)	Design Manager/Coordinator & Site team	As site: Construction Schedule, BOQ and Standard operating procedure (for activities) (EI)* As HO: Detailed Drawing, Specification and related processes	Stages of Design Development - Roles and responsibilities of design manager/coordinator in detailed design and specification - Integration with engineering aspects
10	Week 10	14-Mar-2024	Execution planning for 1 floor (inside office/unit/elevator & escalator) Identify links (predecessor/successor with civil and other services work)	Design Manager/Coordinator & Site team	As site: Construction Schedule, BOQ and Standard operating procedure (for activities) (EI)* As HO: Tender drawings and documents	Stages of Design Development - Roles and responsibilities of design manager/coordinator in tendering through tender drawings and specifications - Integration with engineering aspects
11	Week 11	21-Mar-2024	Execution planning for 1 Tower (common area/lobby/waiting area etc.) Identify links (predecessor/successor with civil and other services work)	Design Manager/Coordinator & Site team	As site: Construction Schedule, BOQ and Standard operating procedure (for activities) (EI)* As HO: Communication with consultant for changes, Impact of change on scope cost and time	Role of design manager/coordinator during execution
12	Week 12	28-Mar-2024	Study FPS work - Deliverables and their specifications	Design Manager/Coordinator & Site team	As site: Fire Protection system -Design Basis Report and BOQ As HO: Project Closure, As Built Drawings (compare with GFC for any one area)	Role of design manager/coordinator during handover and closing
13	Week 13	4-Apr-2024	Execution planning for typical floor plate Identify links (predecessor/successor with civil and other services work)	Design Manager/Coordinator & Site team	As site: Construction Schedule, BOQ and Standard operating procedure (for activities) (EI)* As HO: Project Closure, As Built Drawings (compare with GFC for any one area)	Statutory Requirements organizational and Labor compliances of vendor/contractor
14	Week 14	11-Apr-2024	Execution planning for high side (plant room) Identify links (predecessor/successor with civil and other services work)	Design Manager/Coordinator & Site team	As site: Construction Schedule, BOQ and Standard operating procedure (for activities) (EI)*	Role of design manager/coordinator increasing energy efficiency of project
15	Week 15	18-Apr-2024				Final Protection System works 1. Total scope of work for Electrical 2. WBS of Electrical Service work 3. Procurement alternatives for execution

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Collaborations

Onsite Learning for students of M. Arch Design & Project Management

Photographs

Kumar Princetown Royal, Undri



M.Arch Students engaged in on-site learning and assisting the project team at the Kumar Princetown Royal Project Site

Collaborations

Onsite Learning for students of M. Arch Design & Project Management

Panchshil Vantage Towers, Kharadi

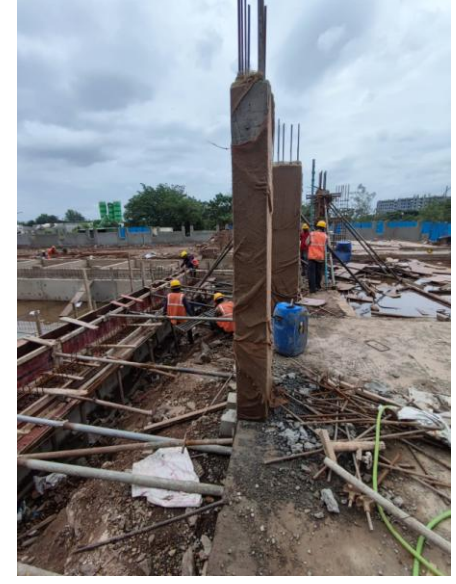
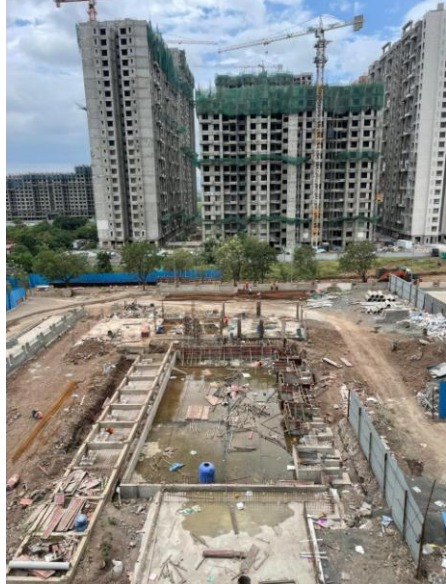


M.Arch Students engaged in on-site learning and assisting the project team at the Panchshil Vantage Towers Project Site

Collaborations

Onsite Learning for students of M. Arch Design & Project Management

VTP Euphoria, Kharadi



M.Arch Students engaged in on-site learning and assisting the project team at the VTP Euphoria Project Site

Collaborations

Onsite Learning for students of M. Arch Design & Project Management

VJ Portia Grande, Baner



M.Arch Students engaged in on-site learning and assisting the project team at the Portia Grande Project Site

The information gathered from these sites enabled the students for the studio exercises related to project familiarization, construction logic, site logistic, Work Breakdown Structure, Activity identification and attributes (such as duration, resources, relationship), baseline scheduling, Tracking progress and Earned Value Management, appraisal of services and specifications, area statement analysis, technique of construction, aluform construction, table formwork, concreting through pumps, pipelines and boom placers, Material testing laboratories, QC activities, Material management at site (raising PR & PO, receiving & storing materials, issue to contractor and reconciliation). The assignments were also designed to address the preconstruction phase by exploring the design management aspects. Students learned the communication and coordination protocol in Pre Construction process through drawings and consultants list.

SSR 2019-20 to 2023-24

Criterion 3 –Research, Innovations and Extensions

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Satish Misal Educational Foundation's



2022-23

Project Report _ Multipurpose Hall at Kudhachi Shala, Jejuri, Morgaon, Pune

Topic	Multipurpose hall at Kudhachi Shala, Jejuri, Morgaon, Pune
Venue	Board room, SMEF's Brick School of Architecture campus, Pune
Date	Tuesday, 11th April 2023
Time	12.30 am onward
Present from BSOA	Manali Deshmukh, Jayalaxmi Deshmukh, Sharduli Joshi, Neha Ghugari
Present from NDA, Morgaon	Suresh Khopde, Satyashil Shinde, Alice

After collaboration with Navi Disha Academy, the first project with them was Multipurpose Hall at Kudhachi Shala, Jejuri, Morgaon, Pune. For the same we were introduced our third-year students this project as their semester AD V (Dec- April 2022-23) as a short exploration. The details of this project were explained them as following.

(Duration: 1 week)

MULTI-PURPOSE HALL

Location: Jejuri - Morgaon, Pune

The Intent

Kudachi Shala is a project initiated and run by Navi Disha Academy at Morgaon, Taluka Baramati, District Pune. *Kudachi Shala* is a live experiment on the Indian education system. It is felt that the current education system can be improved upon. Hence, this *shala* (school) is the 'School of tomorrow that includes the best of Ancient and British India, Gandhiji's *Nai Talim* and J Krishnamurti's philosophy and constructivism.

The aim of the school is to empower the children to face the twenty-first century head on and stand competently in the globalized world.

The Proposal

The development of the facility is going to be done in phases. The current requirement is a multi-purpose hall with a capacity of 100 persons. Along with the hall, there is a need for washrooms, pantry and a stage.

Total Built up Area = 225 sq.mts (including washrooms and platform for stage)

Washrooms:

Male – 3 WC, 5 Urinals, 5 washbasins

Female – 3 WC, 5 washbasins

Pantry

9 sq.mts

The Construction

The structural system of the building and the roof have to be done in steel. The walls and any other enclosure shells have to be built with low cost materials.

The Schedule

Monday, 03.04.23 – Integrated studio

- Introduction to the Exploration
- All subject teams to introduce their subject intents
- Conceptual Brainstorming ideas with respect to all subjects
- Developing the concept
- Developing Preliminary Design parallelly with all subject faculty involvement
- Preliminary Design Finalization

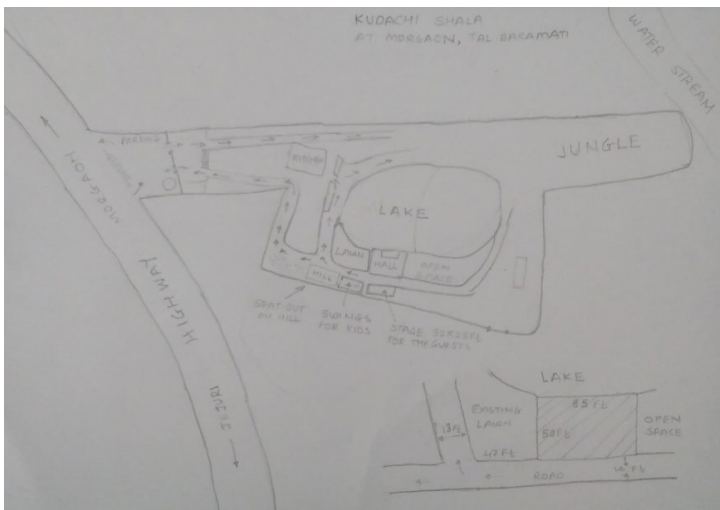
Tuesday, 04.04.23 – Integrated studio

- Identifying all materials
- Working on Structural system
- Working on Roofing system
- Working on Services
- Start work on final drawings

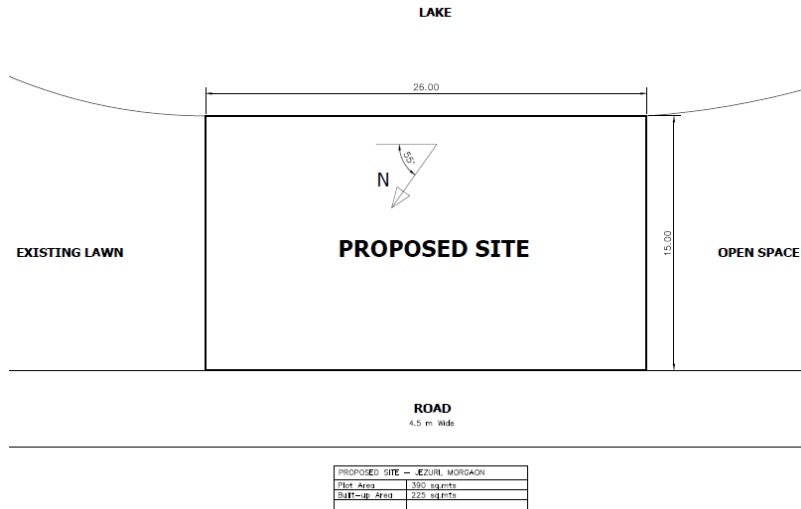
Deliverables

1. Site plan explaining orientation, surrounding, access, 1:100
2. Concept development as per context (Climate, cultural, physical – Design ideas)
3. Ground Floor plan with all working dimensions, levels, nomenclature with technical specifications 1:50
4. Roof plan with any special provisions if any like solar panels, wind extractors, skylights, evaporative coolers 1:50
5. Sections with all working dimensions, levels, nomenclature with technical specifications (minimum 2) 1:50
6. Elevations with face levels, elevational heights, nomenclature with technical specifications (all 4 sides) 1:50
7. Details as per design – Scale as required
8. 3-dimensional exploratory sketches & views
9. Technical details of all joineries, bonds, assemblies
10. Basic Drainage, water supply, electrification service layouts (Single line plans)
11. Light and ventilation strategies & details
12. Basic design approach for better acoustics

Site details



Layout of “Kudachi Shala”



Proposed site of "Multipurpose Hall"



Google map of "Kudachi Shala"

Output (Presented drawing)

Group 1



Collaborations



Group 2



Group 3



Jayalaxmi Deshmukh presented students multipurpose hall' designs to Suresh Khopde sir and his team in the board room. After Suresh Khopde sir's reviews, it was decided in the meeting reviews will be taken into consideration and discuss with B RADICAL team with further line of action. Manali Deshmukh madam also suggested that for multipurpose hall designs, materials and construction detailing will be done by our visiting faculty Ar. Vaibhavi Agrawal, final year students Vivek Chikoti and his team on the site itself.

Conclusion of the meeting

After the B RADICAL team meeting it will be taken ahead depending upon the academic schedule considering students assimilation week and work load for further working of project.

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2021-22

STRUCTURAL AESTHETICS

COLLABORATION WITH RVS COLLEGE OF ARCHITECTURE, CHENNAI, AND FOLDS STUDIO, MUMBAI

Keywords – Architectural aesthetics, Parametric thinking, Futuristic technologies

Faculties – In July 2022 SMEF's **Brick School of Architecture, Pune** did a collaboration with **RVS university, Padmavati School of Architecture, and Folds Studio Mumbai**. It was the first technology workshop of its kind, where 90+40 young and creative minds researched and explored technology and materials together for 6 days. It was an equal partnership between two academic faculty members pursuing mutually exciting and beneficial research through a shared teaching pedagogy.

Faculties involved in the workshop were *Ar. Manali Deshmukh, Ar. Anurakti Yadav, Ar. Raghunandan, Er. Gurudatta Ingale from SMEF's Brick School of Architecture, Pune, and Ar. Raman, Ar. Navneetha from RVS university, Padmavati School of Architecture.*

The workshop proved to be an exclusive experiential learning with RVS university students in the **fourth year- Advanced Building Construction & Services studio**. The exploration was to **design and detail a Skywalk with a parametric approach at tiger point**, a scenic view at Lonavala near Pune. Through this, students learned and experimented with futuristic and innovative building technologies for long-span buildings in their exploration, they shared their ideas with each other and built a good connection.

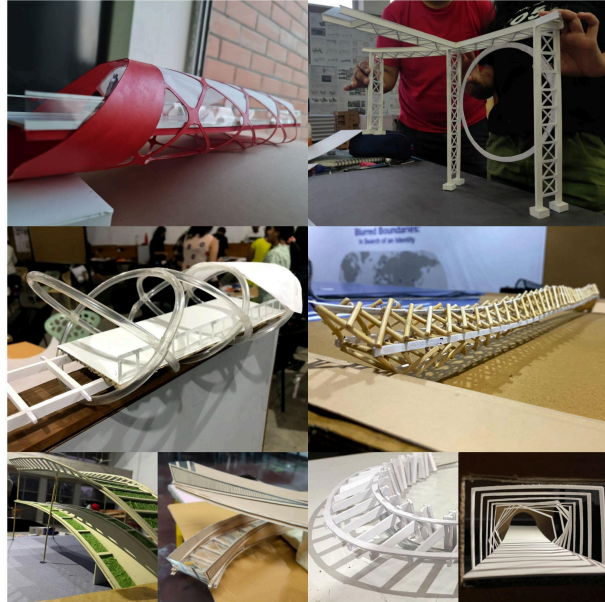
The intent of the studio was to combine efficiency, practicability, and aesthetics through the integration of structural typologies.

To incorporate the practical approach and innovative design ideas through parametric thinking we collaborated with **Fold design studio as a piece of industrial advice** where selected students will produce futuristic and innovative designed structures in their construction workshop in Mumbai.

This workshop started with inputs and interactive discussions on the structural members whose bold statements added aesthetic value to the long-span structure. The typology explored was Skywalk/Skybridge to experiment with the latest technologies and their practical approach. The entire exploration was done in group work to encourage interactions for idea exchange.

After the discussions, students decoded a few identified skywalks done by master architects to understand the design and working, they came up with detailed analysis along with physical models to visualize the scale and detailing of the same. Their work reflected deep research and a better understanding of the structure to be used as a reference to their skywalk design.

During the entire workshop, students explored various futuristic and appropriate materials and technology, did a lot of research, had discussions with each other, exchanged ideas and skills, welcomed each other's culture with an open heart, played together, and learned from each other.



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2020-21

Name of the Project: Child friendly Cities

Dates: July 2019- September 2019 (Term 1)

Venue:

On Campus: Brick School of Architecture, Pune &

Outside Campus for Execution: Lt. N. G. Shivarakar Hospital & Maternity Home,
Vitthal Rao Shivarkar Rd, Wanwadi, Pune-40

Name of the Faculty: Ninad Rewatkar

Introduction of Faculty (250 words and a photograph)

Ninad Rewatkar,

B. Arch.- Academy of Architecture, Mumbai &
M. Arch. (U.D.)- CEPT University, Ahmedabad.

He is an Architect and Urban Designer with a keen interest in research and documentation of Morphology of Urban Settlements and Urban Development. As a Professional, he has over 3 years' experience in a wide range of projects from small scale to large scale designs and master planning. He has key interest in sustainable construction practices and experimental architecture, which was nurtured under Prof. Sathya Prakash Varanashi.



He has worked with conservation Architect Kiran Kalamdani on Heritage conceptual stage Master plan of Bijapur. He was a core FLS specialist while working on Airport in Riyadh at DAR, Pune. He has also worked with Brick School of Architecture on the Project Otta Market Project at Baner under PSCDCL.

Currently he is involved with Urban 95 initiative of Pune along with PMC, BVLFF, Taru leading edge (NPO) and Tata Ecofirst, which aims in making Pune as India's Second Child friendly city after Bhubaneshwar.

Intent of the Project: (250 words)

Project Summary:

Child friendly cities was proposed under allied activities at SMEF's Brick SOA with an intent to initiate some student activities resulting in some research, hands-on activities, etc. This activity is a part of a larger program called, Urban 95, a collaborative initiative by BVLFF (Bernard Van Leer Foundation) and PMC (Pune Municipal Corporation). It was intended to instill sensitivity for need of child centric designs in the urban setting of Pune. At the culmination students were able to find out various sites for tactical interventions and assisted for implementation of one of the tactical interventions to the urban 95 team.

In Pune city, BVLFF has partnered with TARU and Eco first for conducting various programs under Urban 95 initiative. Currently, TARU is working on 8 sites across Pune Municipal limits for Tactical intervention for conducting site-specific small-scale child centric-design Projects.

Project objective:

To understand, design and execute tactical intervention of a site in Pune under Urban 95 initiative, Pune.

Opportunity for students:

Students will get an opportunity to work on societal cause. They got opportunity to work with TARU enhancing their knowledge and understanding focusing on child-centric design. There will be enhancement of intangible aspects like sensitizing towards inclusive design, social responsibility of architects, etc.

Study area: (500 words)

Various sites (approximately) located in jurisdiction of PMC limits were selected by the students. The criteria for site selection was that it should be a public space managed and developed by PMC. Typologies of sites to be selected were:

Maternity Homes, Street development, Gardens, Anganwadis, Day care facilities, Road crossings adjoining any of the above spaces. The frame work developed by

BVLF mentioned below was adopted to identify the opportunities and threats in each sites under headings such as Projection, Basic Needs, Comfort, Connection.

BAM - Making Cities for People

DATE 	TIME 	LOCATION 	WEATHER 
			

Urban95 Quality Criteria

Protection	Protection against traffic and accidents <ul style="list-style-type: none"> Eliminating fear of traffic Safe crossings with children Safe cycling routes Available with sidewalks adapted to strollers Clear waiting places Slow moving traffic 	Protection from crime and violence <ul style="list-style-type: none"> Lively public realm Passive surveillance options Well lit Human scale Mix of uses 	Protection against unpleasant sensory experiences <ul style="list-style-type: none"> Protection against: <ul style="list-style-type: none"> Wind/draft Rain/snow Cold/heat Dust, noise, glare Free from trash
			
Basic Needs	The feeling of comfort <ul style="list-style-type: none"> Safe noise level at 55dB Protection against pollution at 95cm eye-level Surroundings that feel safe for children and caregiver 	Opportunities for good hygiene and health <ul style="list-style-type: none"> Access to fresh water Safety to breastfeed in private Diaper changing area separate from feeding areas Accessible bathrooms Well maintained bathrooms 	Convenient opportunities for consumption <ul style="list-style-type: none"> Close proximity to cafes or restaurants with eating and drinking possibilities Diversity in food options for shopping Nutritious food options for eating or buying
			
Comfort	Opportunities to walk and cycle <ul style="list-style-type: none"> Walkability with children stroller Surfaces for slow moving children Accessibility for strollers Clear way-finding Sidewalk for stroller/good curb 	Opportunities to stop & stay <ul style="list-style-type: none"> Attractive & functional edges Invitations for intended use Zones for sitting with children Seats near play area Mix of seating typologies Resting opportunities Ability to park strollers Ability to observe child - passive & active 	Opportunities to see <ul style="list-style-type: none"> Opportunities to observe surroundings Lighting (when dark) Access to nature Visibility at 95cm eye level Rich sensory experiences Stimulating built environment
			
Interaction	Invitations to interact with environment <ul style="list-style-type: none"> Presence of interesting and inviting environmental elements Variation in the natural elements and built environment that is present Possibility to interact with nature at the height of 95cm 	Opportunities to talk & listen <ul style="list-style-type: none"> Low noise levels Seating conducive to communicating Place for child & caregiver to talk about environment 	Opportunities for play & exercise <ul style="list-style-type: none"> Inviting playscapes for a mix of ages Children's physical activities Street playscapes Temporary activities Ability to interact spontaneously Challenging play In summer/winter/day/night
			
Connection	Opportunities for flexibility <ul style="list-style-type: none"> Flexible and impermanent programming that encourages use at different times of day Convenient to spend time based on different purposes 	Opportunities to access <ul style="list-style-type: none"> Ability to access the place with multiple modes of transportation Without physical barriers (e.g. fences or traffic) 	Highly integrated <ul style="list-style-type: none"> A close proximity to amenities and services - highly mixed Opportunity to integrate this place into daily patterns and activities Clear routes to/from/through
			

URBAN95 TOOLKIT

PUBLIC SPACE & PUBLIC LIFE

URBAN95 TOOLKIT

PUBLIC SPACE & PUBLIC LIFE

Based on the overall score using above framework, each group finalized one site per group. Names of these sites were as follows:

- 1) Anganwadi 67 and 68, near temple, in Katraj village, Katraj, Pune
- 2) PMC Garden, Nirmal group society, Kaleborate Nagar, Hadapsar., Pune
- 3) Gool Poonawalla Garden, Sallisbury Park, Pune

Site Execution of Tactical Intervention

Location: Lt. N. G. Shivarakar Hospital & Maternity Home, Vitthal Rao Shivarkar Rd, Wanwadi, Pune-40

Date: 27th August 2019

Duration of work:6.5 hours

Project Objective: To utilize the underutilized front area of the maternity home for sitting out and play spaces for children.

Scope of work:

Students were supposed to finish cleaning and painting furniture's and floor and walls to make the waiting area accessible and interactive.

Project was inaugurated by MLA Mrs. Punde on 28th August in the presence of Urban 95 team and Head of medical Staff Dr. Jayant Kamble. Students participated in the program were given sapling Dr. Kamble at the end of the program.



Before and after of tactical Intervention



Inauguration program

Summary of the inputs given (500-600 words)

Weekly schedule. Note: All the Week numbers in column are associated to the Academic calendar.

Academic Week. No.	Focus Area	Parameters to be covered	Home/ field work
3rd	Introduction to Urban 95	Brief introduction, Structure, Intents, Previous Examples in Pune and Abroad	Observe ITC (infant toddler and caregivers) groups in your vicinity.
4th	TI (Tactical Intervention)	Discussion about field work, Definition, Examples in Other countries, Previous examples in City, Formation	Find out sites close to your areas and Read Framework given by Jan Ghel

SOCIETAL CONCERN PROJECTS @ BRICK SCHOOL OF ARCHITECTURE



		of 3 groups.	
5th	Framework	Explanation of Framework, how frame work will help in understanding issues and opportunities. Figure out Hypothesis	Field work at respective sites, and Accessing All 3 sites
6th	Hypothesis, Discussions	Group Discussion, Accessing All 3 sites using framework to decide final site	Field work- focused observations and site analysis
7th	Focused Observation, Site Analysis and stakeholder's interaction	Group Discussion about Focused Observation & Site Analysis. Checking and editing Hypothesis based on them & Show previous examples by Urban 95	Same as above and Field work-stakeholder's interaction and work on Tentative design proposal and costing
8th			
9th	Design and costing	Group Discussion/ completion of report	Home work- compile data and report completion
10th	Site Execution	Project Execution Work on Site by Urban 95	Report completion
11th	Culmination lecture	Presentations on site selected by two groups and third group presents movie on site execution done by students. We distribute certificates to students by jury members	

Project documentation:

Structure of project:

The Program was to be conducted under umbrella of Allied Activities and so was given 1.5 hours weekly as an input/ Site field work. Students from 2nd to 4th year were introduced to this program along with other 16 course. During Introduction session Students were explained the need and opportunities of joining this program. Poster for introduction session is attached here:

Project's relevance to academics:

Students need to get connected with such project as this gave them a chance to connect them with real life scenarios and also engage them to work with the social urban fabric of their city.

Currently, SMEF's Brick School of Architecture have recently got Associated with an NGO, International Play Association (IPA). They have conducted a workshop for teachers to engage their understanding about State of Play in current urban fabric of Pune. They intended to create an inter-relation of their studio exercises to make them child friendly. Therefore, the theme of this year's design programs from 2nd to 4th years is "state of play". Therefore, objective of participation in your project for tactical intervention will be to engage in hands-on activity and research based on their current studio design research.

Duration of Project:

The Duration of the program was to be total of 8 weeks and was started from 3rd week and was to be culminated in 11th week of the Academic calendar. Weekly schedule for the program is mentioned below:

Please click at the following google drive link for seeing detail report for sites:

1) [Anganwadi 67 and 68, near temple, in Katraj village, Katraj, Pune](#)



Poster for inviting students for initiative

SOCIETAL CONCERN PROJECTS @ BRICK SCHOOL OF ARCHITECTURE



2)PMC Garden, Nirmal group society, Kaleborate Nagar, Hadapsar, Pune

Recommendations by Jury members at culmination of Program.

At the culmination Dr. Poorva Keskar, Principal in-charge, Brick SOA along with Mr. Rajat Uchil, Taru Leading Edge appreciated the work of students of Friday initiative. Specifically, Rajat Uchil was very impressed with the Proposal 2- Anganwad, Katraj and gave some positive crits.

Dr. Poorva was impressed with the approach as the students went to understand the longevity and budget analysis of a tactical project. She mentioned that these pro- bono type of work would enhance student's skills and will enhance their resume.

Our institute also signed a MOU with Taru Leading Edge for the duration of 3 years. Students were felicitated with these certificates at the end of the initiative.



Sample certificates giving after completion of the initiative



Students Participants

Sr. No.	Name of the Student	Year
1	Smera Sera Oommen	IV
2	Aaditi Mahajan	IV
3	Simran Pawar	III
4	Darshan More	III
5	Pallavi Dhawale	III

SOCIETAL CONCERN PROJECTS @ BRICK SCHOOL OF ARCHITECTURE

Satish Misal Educational Foundation's



6	Tanya Jose	II
7	Esha Jagtap	II
8	Vaishnavi Rathi	II
9	Rucha Mahesh Kulkarni	II
10	Parth shah	III
11	Chinmay Mannikar	III
12	Amay Rathi	II
13	Sejal Sudhir Phale	IV

3.5.1: Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years

2019-20

COLLABORATIONS MOU

Title of the MOU: MOU for conducting Autodesk Software Training and certifications

Year of Agreement: 2019

Institute name: SMEF's Brick school of Architecture, Undri, Pune

Name of the collaborating agency: Blueprints Design

Duration: 04 years

Description

Blueprint Design is a partnership firm having its office in Pune. They are experts in Autodesk training and conducts certification exams on various softwares of Autodesk. SMEF's Brick school of Architecture is a leading architectural college in Pune provides UG courses in Architecture accredited and recognized by Council of Architecture, New Delhi.

Blueprint Design here it named as academic partner. They are going to ensure the provision of faculties approved and certified by Autodesk with requisite knowledge and experience in teaching the courses. Also they will conduct certification for the students as the part of training program. They are offering a training and certification courses of all necessary Autodesk professional softwares.

Institute is providing requisite infrastructure to conduct the course including computer hardware, software, projector, black / white board, power back up, other utilities etc.

Institute is assuring the attendance and participation of students and also a smooth conduct of training programs.

Benefits to Institute:

Product support: Academic partners will use their knowledge of education and learning to help the students in selecting the software as per their need. It also includes hands on support which enables the integration of technology into their curriculum. They also provided free access to softwares qualifying educational institutes. Also they are offering free access to softwares for students and educators with educational stand-alone licenses

Certification: Students can get certification in Autodesk products which will be useful for their professional career. Also the educators and students can be benefitted through validating and assessing their skills by industry recognized certifications. This will create an opportunity to have a pool of on campus educator in Autodesk design.

Project Focused Learnings: The training is based on a sample project work through which the students can get experiential and focused training.

Ref No: 036
Date - 09 JAN 2019

MEMORANDUM OF UNDERSTANDING

"FOR CONDUCTING AUTODESK SOFTWARE TRAINING & CERTIFICATIONS"

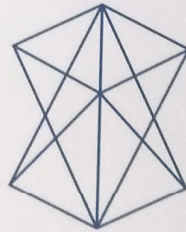
BETWEEN

SATISH MISAL EDUCATIONAL FOUNDATION'S BRICK SCHOOL OF
ARCHITECTURE, PUNE


&

"BLUEPRINTS DESIGN"

(AUTHORISED AUTODESK ACADEMIC ADOPTION PARTNER)



BLUEPRINTS DESIGN
BUILDING STORIES

 **AUTODESK.**
Authorized Academic Partner

 **CERTIPORT**
AUTHORIZED TESTING CENTER

COLLABORATIONS MOU

been given or made when it shall have been delivered by hand, airmail with a copy by facsimile, to the party to which it is addressed at such party's address specified below or at such other address as such party shall have designed by notice to the party for giving such notice or making such request.



ADDRESS of Institute : Address: Survey No. 50 / 3, Jagdamba Bhawan Marg, Undri, Pune- 411060	ADDRESS of Academic Partner: 04, Radhai, Near Cipla Foundation, Warje, Pune -411052
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5.5 Except as otherwise specifically provided here in this agreement, shall bind and inure to the benefit of each party's successors & permitted assigns.

6. Benefits to Institute

- 6.1 **Product Support** - Authorized Academic Partners will use their knowledge of education and learning to help students select the right software tools for their needs, including hands-on support, which enables integration of the technology into their curriculum. Authorized Academic Partners will provide free* access to the same design software for qualifying educational institutes.
- 6.2 **Certification** - Autodesk certifications validate skills and knowledge in Autodesk products to advance student careers in engineering, digital arts, and architecture.
- 6.3 **Project-focused training** - Authorized Academic Partners will provide sample projects and coursework to help students validate their skills, boost career opportunities, and build their experience through a project-focused learning experience.
- 6.4 **Professional development** - Authorized Academic Partners will help students and educators assess and validate their skills through industry-recognized certifications. They will also help the students build a pool of on-campus educator and student experts in design.
- 6.5 **Student & Educator License** - Authorized Academic Partners will provide a Students and educators free* access to Autodesk software subject to Educational stand-alone licenses through the Autodesk Education Community.

The parties hereto acting themselves or through representatives duly authorized, have caused this agreement to be signed in their respective names as of the day & year written above.

<p>For Institute SMEF's BRICK SCHOOL OF AEC HITECTURE, PUNE</p> <p>Authorized Name: Prof. Ar. Poorva Keskar</p> <p>Place : <u>Pune</u></p> <p>Date : <u>10th Jan 2019</u></p> <p>Sign : <u>[Signature]</u></p> <p>Institute Seal</p> 	<p>For Academic Partner BLUEPRINTS DESIGN</p> <p>Authorized Name: Ms. Ashvini Sarkar</p> <p>Place : <u>Pune</u></p> <p>Date : <u>10th Jan 2019</u></p> <p>Sign : <u>[Signature]</u></p> <p>ACADEMIC PARTNER Seal</p> 
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