

# ARCHI MUMBAI



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## Chairman's Address

### IIA Mumbai Centre Events and Guidance for Students of Architecture

IIA Brihan Mumbai Centre in Association with Dr. Baliram Hiray College of Architecture organised an event on the occasion of 'International Women's Day' on 16th March 2017 at the MIG Club, Bandra East.

The event was well attended by about 136 participants and leading women Architects in various fields such as Academic, Practice, Government and Semi Government Authorities. Speakers expressed their views on the topic of 'Women in Architecture', the present & future. A detail on deliberations is included in this newsletter.

Now the college exams are going on, students require career guidance on completion of graduation courses. With a view to guide the students, team of Mumbai Centre prepared a detail note describing the post graduate courses available in Mumbai & around, with opportunities on completion of such courses.

Team at Mumbai Centre has also prepared a detail note and guidelines for students on the skills required for students of Architecture with a case study on Framjee Cowasjee Hall at Dhobi Talao.

Brihan Mumbai Centre is also actively participating in the process of submitting Suggestion and objections invited by Urban Development Department Government of Maharashtra. Recently we have submitted three such representations namely:

- Latent defects liability to Architects (Government Notice dated 08th March, 2017)
- Risk based approvals by Architects ( Government Notice dated 22nd March 2017)
- Mira - Bhayander Municipal Corporation circular in response to Hon'ble Supreme Court Order dated 14th February 2017 followed by COA newspaper notice dated 30th March 2017 regarding architectural practice/licensed surveyor etc.

Copies of our representations are uploaded on our website which can be studied and additional suggestion & objections if any, may/can be communicated to the centre at email id : [brihanmumbaicentre.iaa@gmail.com](mailto:brihanmumbaicentre.iaa@gmail.com)

**Ar. Milind Sambhare.**  
Chairman

## BULLETIN

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## IIA – Brihan Mumbai Centre in association with Dr. Baliram Hiray College of Architecture, Event on 'Women in Architecture' Held on 16th March 2017 at MIG Club, Bandra (East)

**Report on Interactive Session held on March 16th, 2017 between 2.30 p.m.-6.00 p.m. at MIG Club, Bandra East, on Women in Architecture. Organised by IIA- Brihan Mumbai Centre in Association with Dr. Baliram Hiray College of Architecture.**



*Dr. Kavita Rege  
Prin – Sathaye College*

*Ar. Sulakshna Mahajan  
Urban Planner*

*Ms. Uma Adusumilli  
Chief, Planning Div,  
MMRDA*

We are thankful to the members and students for their great response and making the event a memorable one.

The event was attended by 136 participants from various fields of Architectural profession as well as faculties & students from various colleges in Mumbai. The proceedings of the event were as follows :

- Ar. Darshana Dubhashi, gave the opening remarks and co-ordinated the sessions.
- Even though Women architects have made their presence felt over the decades in various fields of architectural practices, and are well represented at under graduate & Post Graduate levels statistically, some of the surveys brings out the fact that the percentage of women professionals in Architectural Practices & Govt. Bodies is still low. The survey states that one in every five architects would not encourage new generation girls to join architecture.
- Ar. Swapna Khade, Principal, Dr. Baliram Hiray College of Architecture welcomed the guests and spoke about the current scenario about girl students and faculty in Architecture.
- IIA Vice president Ar. Vilas Avachat, explained about proposal to provide reservation of 2 additional council members as a part of India Institute of Architects.
- Video was screened by the Event Partner Birla White on Woman Empowerment.
- Dr. Kavita Rege, Principal- Sathaye College, graced the event as a Guest speaker, shared her views on contribution of women in the creative professional field like architecture, as well as importance of womanhood in the Society. She expressed her concern on dropping number of women professionals taking up jobs and pursuing their career in profession.
- Ar. Sulakshana Mahajan, Urban Planner, Consultant to MTSU, shared her work experience through presentation on 'New Avenues in Urban planning for Women'. She gave valuable insights into 'Designing and re-Living the Cities',

global scenario of changing demographics in last 50 years. She took overview of Urban India having urban population of 32.30 Cr, 7700 No. of Cities, around 500 cities with more than one lakh people, 63 Metro Cities with more than 10 Lakh population, 3 large Metropolitan Regions etc & need for having approach of 'Cities for People', to overcome issues faced due to Urbanization. She also explained various City designing concepts to understand Space, distance, Human Scale, Socio-Cultural aspects & Feelings.

- Ms. Uma Adusumilli, Chief, Planning Div.-MMRDA, Special Invitee at the event, gave her guidance on the importance of regional planning & impact of planning on lives of people. She shared her experience of working in public sector and also expressed about profession that encompasses public interest at its core. Opportunities for young Architects, planners in government organizations & suggested to explore beyond architecture to reach out to larger masses.



*Ar. Rekha Dhar  
Add. Chief Architect,  
CIDCO*

*Dr. Sushma Joglekar  
Sir J.J. College of Arch*

*Ar. Kirtida Unwalla  
Conservation Architect*

- Mr.Kalyan Chakravarty, Birla White- Unit of Ultra tech Cement Ltd, presented various initiatives taken by the company on Women empowerment, development of women applicators & women entrepreneurs. He also presented various products of Ultra Tech Cement Ltd.
- Ar. Rekha Dhar, Additional Chief Architect-CIDCO, shared her experience of being in the Government agency, various efforts taken by her in order to increase the posts of architects in various cadres, delegation of powers to architects etc. She urged young women architects to work whole heartedly, have confidence in self, manage both professional as well as personal fronts and make the most of the potential that they have. She presented various projects taken up by CIDCO including city planning of Navi Mumbai city having an area of 344 Sq.km with Railway stations, Central Parks, exhibition centres, Community centres etc., and also some of the challenging projects e.g. Navi Mumbai International Airport, Affordable housing projects at Kharghar etc.
- Ar. Kirtida Unwalla, Principal Architect, K Unwalla Architects, a senior conservation architect presented on the topic of 'Conservation Conversations'. She gave glimpse of the projects undertaken by her. She provided some valuable insights on the field of Conservation. Conservation is not only about buildings, but also about the significance of historic place, precincts etc.

**IIA – Brihan Mumbai Centre in association with Dr. Baliram Hiray College of Architecture, Event on ‘Women in Architecture’ Held on 16th March 2017 at MIG Club, Bandra (East)**

• If we look at the setting of a place, amount of years it has stood there, amount of time & value one attaches to that place is Conservation. One needs to understand context of time, who built it, does it assign the significance to Architecture of that time, specific infrastructure around which traditional towns were built in the context of human civilization with the sense of value assigned by the users. Normally there are huge amount of opposition from people who resides in the buildings that are listed, considering their economical impacts & aspirations. It is necessary to build up a system whereby it sustains the aspect of economical ground & questions of owners do not become an issue.



**Ar. Neha Mungekar**  
Urban designer



**Ar. Shilpa Sawant**  
Architect & Int. designer



**Ar. Neelam Parelkar**  
Trustee-IIA

• Dr. Sushma Joglekar, Senior faculty at Sir J.J. College of Architecture, expressed her views on role of educational institutions in increasing number of women Architectural professionals. She explained that Institutions have to make students aware about social and cultural changes & prepare students to become Architects of the Society through Students Development. Architectural colleges need to conduct a program to enable students to develop their skills & walk out with enhanced professional capabilities, e.g. ‘Woman Development Cell’. She threw light on certain reasons which may have caused drop in the number of women architect professionals leading them to stop pursuing their career in the profession & opt for some other parallel field. One way of sensitizing students about such issues could be taking up projects which focus on Gender inclusive Designs, not only in building planning, but also in neighbourhood & community facility planning.



**Kalyan Chakravarty**  
Tech Head, Birla White Group



**Ar. Swapna Khade**  
Prin – Dr. B.H. COA



**Ar. Vilas Avchat**  
Vice President- IIA

• Ar. Neha Mungekar, Urban Designer & Documentary photographer, gave interesting insights into her out of the box journey in the field of Urban designing and introduced her role as a Facilitator/Convener between bureaucrats and what City really needs. She explained how ‘Pedestrianization’

not only helps human in maintaining better health, but also boosts commerce and helps city as a whole.

- She shared her experience of working with an NGO i.e. WRI, where her role is to come up with a design approvable by community by conversing with an Experts as well as common people & put it up before the Commissioner with the concept of Community Participatory planning. She illustrated innovative ways of making people understand the importance of inclusive design suitable to all age groups, e.g. Developing Games as a tool for conducting workshops to design neighbourhood, incentivising them and different ways to convince them. She also explained her City Design project at Naya Raipur. She deliberated the importance of mixed land use zoning in city planning and shared her experience of working in different cities as a woman professional.
- Ar. Shilpa Sawant took the audience through the field of artwork, Architecture and Interior design & her journey in which she explored different facets of the practice. She displayed her work of various types, i.e. Residential, Hospitality, Healthcare, offices, boutique offices etc. She demonstrated her concepts of using origami & geometry, lines into the design, translating into ultimate spatial effect, where all elements co-exist. Her works displayed apt use of colours, textures, elements, fabrics, which resulted into a landmark project, got featured into various interior magazines. She shared her site experiences, challenges faced while dealing with contractors as a woman in Authority and way to overcome all the odds and achieve your goal.



**Anchored by**  
**Ar. Darshana Dubhashi**



**Ar. Nivedita Desai**  
Faculty - Dr.B.H.COA



**Dignitaries & Audience**

- Ar. Neelam Parelkar, Trustee of IIA, Brihan Mumbai centre presented concluding remarks.
- Ar. Nivedita Desai, faculty at Dr. Baliram Hiray College of Architecture delivered the vote of thanks to the audience, speakers, organisers, panellists and all those who participated from IIA Brihan Mumbai centre and Dr. Baliram Hiray College of Architecture, Bandra.



**Dignitaries & Audience at the event**

## Career Guidance to students of Architecture Team Mumbai Center

### Career Guidance to Students of Architecture.

Indian Institute of Architects is celebrating its 100th year. The Centenary Celebrations are on all over India. Initially started as Students Association in Mumbai in the year 1917, the association during the course of time achieved the national stature and completed its 100yrs of the existence.

Architecture services are professional services, the services we render are knowledge based and involve our intellectual skills. The skills are acquired through formal education at colleges, which is a five year degree course after the 12th Standard Junior College as per present norms.

The number of Colleges imparting Architectural under graduate courses has increased manifold. There are about 13 colleges in Mumbai alone. The intake capacity of one batch being of 80 (eighty). The total number of Architects being graduated per year are about 13x70 Average = 910 Students. Out of these numbers some may opt for post graduation either in India or Abroad depending upon their background. Rest of the students will try and seek employment in public sector or corporate sector or private practices or teaching position. Data on these aspects is not readily available however the general impression and feel of the situation is the demand and supply is inversely proportional. There is more supply than demand. The post in govt. offices or urban or local bodies are not existing or diminishing. Private practices are finding it difficult to survive in present opened up global markets and cut throat competition from other engineering firms, Chartered Accountants offering project management and Transaction advisory services. They are unable to find a job with respectable position and remuneration as compared to other professional or Engineering Courses.

The Council of Architects as per present guidelines 2006 suggests following Twenty Courses for Master of Architecture.

- Master of architecture
- Master of architectural conservation
- Master of urban design
- Master of interior architecture
- Master of landscape architecture
- Master of housing
- Master of urban and regional planning
- Master of transportation planning & design
- Master of sustainable humane habitat
- Master of sustainable architecture
- Master of environmental architecture
- Master of computer applications
- Master of valuation and arbitrations
- Master of building automation
- Master of rural architecture
- Master of regional architecture
- Master of international architecture

Master of architecture and construction project management

Master of digital architecture

Master of computer aided architectural design

A list of subjects to be taught in each course is proposed and detailed course curriculum is to be developed by the Educational Institute proposing to conduct such course.

The University of Mumbai has developed Master of Architecture course in following subjects.

Project Management – Dr. Baliram Hiray College of Arch.

Architectural and Urban Conservation – Kamla Raheja Vidyanidhi Institute of Architecture

Urban Design – Kamla Raheja Vidyanidhi Institute of Arch.

Rizvi college of Architecture

Urban and regional Planning – Rizvi college of Architecture.

Landscape Architecture – L.S.Raheja College of Architecture (Part time 3 year Course)

Part by Research and part papers – Sir J.J. COA

It is necessary that data is collected as regards last 15 years about the above Master of Architecture courses and number of students taking admission successfully completing the course and finally where they are placed whether they get job opportunities for the specific subject which they studied within Indian job market or not? what is their experience? What are the avenues available for earning money after completing education in a particular professional course with specialisation or at the end of the day they are required to do the work same as graduate Architects only or still at lower level as the trained Architectural Draftsmen CAD operators?

The Council of Architecture specifies minimum qualification, experience and structure for teaching in Degree level Architecture Institution as follows.

Assistant Professor: First class Bachelors Degree in Architecture or Master Degree in Architecture one year teaching experience.

Associate Professor: First class Bachelors Degree in Architecture or Master Degree in Architecture Eight year Teaching experience.

Professor: First class Bachelors Degree in Architecture or Master Degree in Architecture Eight year Teaching experience.

For intake of 40 students the minimum staff required is Professors - 2, Associate Professor - 4. Assistant Professor - 8 Now with the increasing number of Architectural colleges the teaching posts and requirements have also increased creating same demand in academic field. For the new colleges it becomes very difficult to get core faculty, with candidates having master degrees with first class. General feel of the situation is that there are no posts in government offices for the Architects, the corporate and private Architectural practices are navigating through very difficult times so as there is no major demand for Architects the students are attracted to academic field, Just imagine a situation wherein the seats in Architectural colleges remaining vacant without students.

Our opinion at IIA Mumbai Centre is an urgent need to do a detail analysis of the situation based on ground realities and students be guided properly whereby they choose the courses which will have proper demand in the job market at national and international level.

Sr. No	Post-Graduation / Masters Degree in following subjects	Can seek Opportunities in :
1	Project Management	<p>Various Projects as Project Manager.                      With 5-8 years of experience one can be site engineer, working at operational level and mid-managerial level.                      With 15/20 years of experience one can lead construction sites of various scales for its planning, programming, quality control and timely delivery.</p>
2	Architectural and Urban Conservation	<p>With 5-8 years of experience one can handle individual site study, restoration designing and execution.                      With 15-20 years of experience one can lead work on restoration works of Heritage buildings, heritage precincts. Eg : Various government office buildings housed in the heritage buildings.                      Consultancy to Various residential buildings and precincts listed in heritage list of Mumbai.                      Opportunity in tourism sites of various State Tourism Development Corporations.</p>
3	Urban Design	<p>With 5-8 years of experience can design layouts, streetscapes for small or large complexes, Large urban areas. To study &amp; understand urban area issues and give solutions to problems or enhance urban experience.                      With 15-20 years of experience one can lead urban design team for large scale projects with private as well as government and semi –government projects.</p>
4	Urban and regional Planning	<p>Working with Planning Authorities Like: MMRDA, CIDCO NAINA, CSIA, NMMC etc.                      With 5-8 years of experience : Position of Team Leader in various Large scale Urban planning projects.                      With 15-20 years of experience one can lead departments of urban planning of cities.                      Can Also lead teams of various projects floated by Government or Semi Government.</p>
5	Digital Architecture	<p>Can work with Various design software and programs to generate images, views, to provide developer Clients with virtual ideas of concepts and experiences in the projects. With experience and innovative ideas along with understanding of global market trends one can take up projects of varied nature.</p>
6	Landscape Architecture	<p>With 5-8 years experience one can work on individual sites, its planning, designing and execution.                      With 10-15 years of experience can be part of a team providing comprehensive Architectural service with Landscape, being an inseparable part of such schemes and services.</p>
7	Sustainable Architecture	<p>Can appear for exams for IGBC – AP or LEED-AP. With some years of experience can be consultants for various Environment related ratings like LEED, GRIHA etc. Providing consultancy for Environmental design, selection of material, preconstruction, construction and post construction programming etc.</p>
8	Architectural Conservation	<p>With 5-8 years of experience can take charge on restoration works of Heritage buildings, heritage precincts. At planning, designing and implementation level                      Eg : Various government office buildings housed in the heritage buildings.                      With 15-20 years of experience one can be a part of a large team of experts offering architectural services as expert and also take up projects in private and public sector.                      Consultancy to Various residential buildings listed in heritage list of Mumbai.                      Opportunity in tourism sites of various State Tourism Development Corporations.</p>
9	Part by Research and part paper	Subject wise opportunities.

## Skills required for Architecture students

Architectural Education is gaining importance and popularity among students. The graduate courses in Architectural Education normally comprise of five years. Architect is required to develop various skills. The skills required to practice as an independent professional can be enlisted as follows:

1) Observation, 2) Sketching, 3) Photography, 4) Designing, 5) Scientific vision, 6) Analytical Mind, 7) Writing, 8) Communicating/Presentation, 9) Decision Making, 10) Organising, 11) Leadership, 12) Disaster Management and many others. Every person inherently possesses certain skills, the above skills are required to be inculcated among students by teachers consciously and students should also take efforts to master above skills to become good Architect.

Architectural profession is of creating spaces & roof above man's head for various uses and activities. The users range from residence to office to industry – production house, godown, market, school, college, Hospitals and so on. The requirement of each one is different and needs to be analysed and spaces to be organised skilfully to achieve optimum utilisation of space with proper circulation within various activities.

Architects skill is further related to creating beautiful spaces. Exterior spaces and interior spaces to be soothing to the eyes and should please the eyes of the viewer. The first impression of the viewer about a place is created in his mind by looking at it whether it is a well organised space? Where every object has its own place, is it properly designed or is it just a clutter, or a disorganised space where objects are placed in a random & haphazard way Creation of Architect to be aesthetically good, beautiful and pleasing. The skill of the Architect is well appreciated after looking at a building or an interior space which pleases the observer.

Observation, sketching and photography are three interlinked skills. These are the basic skills required by an Architect to conceive his design. These skills can be defined as follows. Observation is nothing but taking mental notes of what we see or look at, the image or activity we see is stored in some part of our brain and can be retrieved when required. This initiates thought process and leads our mind to decision making. Sketching & photography are nothing but documentation of what we see either in drawing form which can be two dimensional, ie plans, elevation and sections or three dimensional ie. perspective views. Sketching is a hard skill which differs from person to person & can be developed and practiced to par excellence. The use of paper and pencil is the old style the same can now be done on computers with software available.

Photography is now in a much advanced stage, Coloured photographs of various built forms, wild nature, landscapes can be caught and stored and printed for documentation. Even videos can be taken of moving objects. Now with the advancement in technology and smart phones there is vast change in the whole field of photography, it is now easier to catch objects & forward the same to various users as required. A good photographer can catch wonders of the world in his camera.

Architecture students should master all the three skills to become a good Architect. For a school project, to be designed we can see two, three such live schools, observe them, analyse the effective use of space, see the detailing & how it is working efficiently or failing. Observe the elevation, photographs, compare them to see which elevation & surroundings are pleasing and then prepare sketch plans for our own design based on the plot size, the space requirement present & future and technology to be used. All these initial skills and analysis will help one in creating a good new design for school building, so the observation skills, sketching & photography are first steps towards self-learning of design skills.

As a learning process the exercise of observation study will start with objective of the study. What is to be studied

( i ) building & its exterior look ( ii ) Interior spaces of a building ( iii ) Setting of a building and its surroundings spaces ( iv ) Present condition of the building in case of old building is being observed and so on. First step in the study is to prepare a check list of what is to be studied. The list to be seen at site. Suitable notes are taken on various points enlisted & explanatory sketches are prepared and photographs are taken to further explain and document. The standing point of the viewer or observer is very important so that all the required objects are perfectly seen in his angle of vision.

A Street can also be studied for a stretch of about 250 mts or cross road junction to other cross road.

To note ( i ) width of street, ( ii ) Height of the building on both the sides, ( iii ) Elevational treatments of the buildings

( iv ) Street Furniture, lights, pavements, railings, curb stones, name plates, shop fronts, compound walls & gates, road side trees and plantation & such other elements, any particular character is being followed to create an impact on viewer, videos of how pedestrian & vehicular traffic is moving can also be used for documentation.

**Skills required for Architecture students**

A small case study is presented here using all the above three skills, located at Vasudev Balwant Phadke chowk known as Framjee Cawasjee Hall & free reading library.

Framjee Cowasjee /Old Willingdon Theatre is located at junction of two roads. Anandilal Podar Marg on South & Jagannath Shanker Sheth Marg on its East side, And

Dhobi Talao first street on north side.

The said Hall is designated as Library in Developed Plan 2034. The hall is listed in heritage list at S.No.309 and described as Grade III – Colonial style. Formerly site of Framjee, Cowasjee tank commemorated with standing Memorial Plaque. Year 1862 – 65 Rebuilt in 1925.



*Statue of A.G.Vegas- president of B.M. C (1906-1907)*



*Entrance porch and semicircular arches form the front façade.*



*South façade and main entrance. The entrance view is blocked by recently constructed entrance of the subway.*



*East façade and free reading room and library entrance.*



*Twin Doric style columns and key stone feature*



*Gable end wall pediment*



*Plaque on the compound wall says, "The Framjee Cowasjee tank was so called by the government to commemorate the late Framjee Cowasjee liberality in expending a large sum of money on its reconstruction in the year 1839".*



*Baluster feature detail at the bottom of The semicircular arch.*



*Key stone feature detail over the semicircular arch.*



*Doric style columns used as elevational Feature near window on the east façade.*

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**IIA - Brihan Mumbai Centre:**

'The Indian Institute of Architects' has completed 100 years and IIA Brihan Mumbai has completed 25 years.

**World Environment Day – 5th June, 2017**

World Environment Day is the UN's flagship day when governments, cities, citizens and the private sector come together to take action in support of the environment.

Hosted by Canada, this year's World Environment Day has the theme Connecting People to Nature, and the slogan, "I'm With Nature".

IIA Brihan Mumbai Centre is keen in connecting with this International initiative.

All members are requested to extend their support to make the effort successful.

*Published by*

AR. ARUN JOGLEKAR on behalf of BRIHAN MUMBAI CENTRE OF IIA

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