

Newsletter, 2016-17 Volume 3, Issue: 1





OVERVIEW

OmDayal Group of Institutions was incepted with a selfless motive – to improve the quality of education in Bengal and provide the best of facilities when it comes to knowledge sharing. The need of the hour was to revolutionize education in school the society laid the foundation stone for DPS Ruby Park. Today the school has become an educational landmark of



Calcutta. Now, to raise the bar even higher in the field of technical education in the state, ODERS has opened the door for futureready technical education, which is at par with the best private institutes in our country.

With continuous effort, total dedication and continuous improvements ODERS is bringing in change that will enhance the future of our next generation and our nation as a whole.

MISSION

To provide state-of-the-art resources required toachieve excellence in teaching-learning, and supplementary processes.

To provide Faculty and Staff with the required qualification and competence

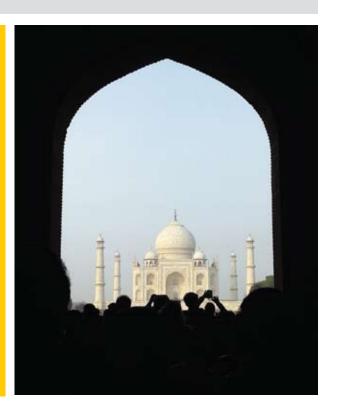
To motivate for their holistic development

To provide opportunity to the students to bring out their inherent talent.





The first batch of graduates are ready to take on the world. We still fondly remember the day these 30 odd students had walked in... that was in August 2012. The department has come a long way since. The students and teachers, both in increased numbers have been going places, both physically and literally. The journey till now has been quiet satisfying and we hope to continue in the same fashion in the future, too.



2 Memories

End Semester Design jury was conducted in December 2016. A good number of practising professionals and academicians from the city discussed the finer points of architectural practice and design thinking.







The usual design studio is also a mixture of displays and impromptu discussions. The mentor-student relationships have always been of utmost importance at OmDayal.







Classroom talks.....



Even a brick wants to be something. – Louis Kahn







Students won 2nd prize in Architectural Quiz and 1st prize in Antakshari at TechnoScape.





First year and second year students attended an Architectural Fest organized by Techno India University in 2016. Ar. Manish Chakraborty and Ar. Indranil Sen delivered lectures on their work. The first year students were enthralled by such exposure in the initial phase of their academics.

Students attended fest themed "Go Green" organized by AMITY UNIVERSITY, Kolkata in October 2016. Eminent speakers like Ar. Anjan Mitra, Mr. Dhananjay Dake Mr. Debasish Sen presented lectures on their works. The students won First prize in Flexi Painting.







The first year students were taken to nearby school (Amraberia Hemanta Basu Prathamik Vidyalay) as a part of social outreach program. Our students entertained the kids with various activities, such as teaching, singing songs, drawing and painting etc. The kids, when spoken to after the visit, felt inspired by our students and wanted to walk on their path.

Life is architecture and architecture is the mirror of life. – I.M. Pei

Prof. Debjani Mitra along with a few students conducted an interactive workshop with rural artists and performers at a village near Dubrajpur in Birbhum district.







Sustainable City Form – the SMART paradigm

Today IT is used in numerous ways to make life easier from mundane online shopping to sophisticated traffic management systems. The city is often believed to reflect the best in human potential it is thus no surprise that today IT having permeated in all walks of our lives, will have a far reaching influence on the city as well.

However, IT in spite of making deep inroads in our daily existence, we are still barely able to grapple its pervasiveness in urban life. Hence while Smart Cities may be marketed as a panacea to all our problems; cities left without intervention of Planners might land up as mere "wired" cities loaded with new ICT systems some superfluous and even detrimental.

To prevent such a future, intervention by urban planner and designers is crucial. Like communication systems earlier in history, IT enabled services by their potential of rapid global connectivity, are expected to change human life today. No invention can be regarded as a universal remedy having no negative side effects —but it has to be used appropriately to maximize its potential in making life easier for citizens. It is important to note that while communication systems have made life easier in some ways they have also brought their share of problems. For e.g. addiction to social media is being realized as a major social evil today. IT offers inexpensive connectivity and has the potential to disseminate information. However the systems is not without its limitations so Futuristic Visions like total dissolution of cities is neither possible technologically nor desirable ecologically. Such an occurrence would destroy natural habitats, which is against the goals of a sustainable future. However it may be affirmed as new technologies offer rapid inexpensive connectivity a trend of Regional Scale in Urban Development is being observed centered on major cities. Hence a city in the near futures will perhaps not be like compact medieval towns but a combination of suburbia and a central city connected to each other by hi speed transport as well as Virtual networks.

Kaustubh Das Associate Professor







PITSTOP at Bareilly

The Zonal NASA convention for Zone4 was held at Invertis University, Bareilly, during October 2016. The Unit of ODSA comprised of 42 students. Despite many events being cancelled ODSA came out 6th overall with many trophies the major ones as mentioned below:-

1. Main Design 1	Special Mention 1
2. Design 30	Special Mention 1
3. Convention Trophy	Special Mention 1
4. Fashion Show	First Prize
5. Journalism	First Prize
6. R-Factor	Second Prize
7. Small Scale Production	Special Mention 1

The ODSA team received huge appreciation from all the other participating teams and the team returned home with light hearts and big smiles with the zeal to do even better next time.

> Oindrilla Chatterjee 2nd Year Student







Sustainability - an important part of modernism

its meaning Sustainability beholding conservation, is vital to achieve and vet important past for a better future. Changes are constant. It is for the society to cater to the future needs. As not a sudden action which takes place overnight but modernism is speaking louder these days with it evolves over time. Likewise, changes take place digitization, it has molded our culture. But it doesn't over time in our traditional practices too. After all it mean we have lost the integrity of our heritage. is for our better living. This lets us grow with time, Still we sometimes choose tradition over fashion, to sustain, to fulfill our needs and to accomplish our ethnicity over trend. In this world where individuality worthy deeds. Changes have taken place, are taking is difficult to maintain, one tries to cope up with the place and will take place. Similarly we have evolved, phase of this emerging technology to survive.

Hence, this brings deformation in the old tradition, as it is said to "Go with the Flow". This surely If culture has to sustain, it has to go through individuality or uniqueness of the culture that marks ME and EVERYONE. our place in the world.

One should not deny opportunities that lead us to

of a new path of change by modifying the rules of the are developing and will keep developing as long as there is life on earth.

means that we hold our culture in a unique way evolution, one has to keep moving. Actions will which assimilates modern practices. After all we are be questioned, conflicts will be there but one thing the ones who make our society or culture. It is this which will sustain above all is humanity in YOU,

> Sejal Agarwal 2nd Year Student

6NASA







meetings with the University Examination Cell, Charles Correa. our Principal managed to postpone the exam dates to keep the tour schedule intact. In the message that the train had been cancelled.

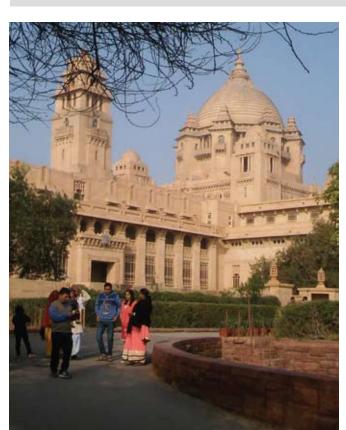
The whole credit of rescheduling the tour goes to tour co-ordinator, who somehow managed to get all the tickets re-booked for the same day in a different train. The idea to join both the senior and junior batches at Jaipur was a hit. Prior to that, the senior batch of students had seen the Mehrangarh fort; fort cities like Jaishalmer. At

Sometimes hurdles aren't really hurdles at all. Jaipur the combined group consisting of 143 They're welcoming challenges or tests for us. It students, visited Jaipur fort, Jantar Mantar and finally felt the same when circumstances pushed us to the one building of the contemporary replication of verge of canceling our tour. After a number of these architectural styles- Jawahar Kala Kendra, by

Third year students took the lead throughout and morning of the day of journey we got a regret passed on the baton to the second years on last day. In spite of the examination pressure they didn't spare a small oppurtunity to learn with

> My fellow colleagues Arnab Jana, Madhuchhanda Mandal and Nakshatra Sen were there with all their help and support to make it a success.

> > Sandipan Sinha Asst. Professor







The Tour.....



Architecture is an expression of values. – Norman Foster





A Seminar by eminent conservation Architect Manish Chakraborty was held in March, 2017, attended by third year students. He shared his experiences which inspired the students to do a follow up program of Heritage Walk at Dalhousie Square, Kolkata.



Sustainable Building Construction

Construction industry is one of the biggest environmental responsibilities. industries in the world. Thus it becomes the largest user of materials either obtained naturally or from artificial resources thus having great impact on sustainable development; environmentally, socially and economically.

Locally available building materials construction methodology has been found to be building materials, it should also be a practice. extremely beneficial and sustainable in earth quake prone areas in terms of social, economical and

Similar type of construction can also found around the world namely Britain, France, Germany, Central America, South America, Turkey, Portugal and Italy (ARUP, 2011) In India it is also termed as "brick nogging timber construction" In today's and context, the use of advanced building materials and construction techniques are the most sustainable sustainable construction technology is becoming construction methods that have been used for many more imperative due to the increasing scarcity of years for constructing local buildings. For example, natural resources. The expression "sustainable building construction technology known as "Dhajji construction" is being used more and more, it is Dewari", an earth quake resistant structure is still necessary to distinguish between the sustainability being used by the people of Kashmir (India) and of the construction activity and the sustainability Northern Himalayan Mountains (Pakistan). The of works constructed (Mora, Eduardo Peris, 2007). term "Dhajji" means patch work which the local Thus use of proper building material has vast carpet weavers use to describe the patch worked impact on the environment. Careful selection of quilts. It had been observed that many of the Dhajji environmentally sustainable building materials is Dewari houses behaved outstandingly well over the easiest way for architects to begin incorporating the modern buildings made of reinforced concrete sustainable design principles in buildings. A "cradle construction during a 7.6 magnitude earth quake -to-grave" analysis of building products, from the which struck Northern Pakistan on 8th October, gathering of raw materials to their ultimate disposal, 2005. This highly earth quake resistant straight provides a better understanding of the longterm forward construction can easily be built from locally costs of materials. These costs are paid not only by available materials; timber and masonry supported the client, but also by the owner, the occupants, and by modern construction methods. The traditional the environment. In the end, the term sustainability building construction combined with the modern should not be restricted in the selection of proper

> Madhuchhanda Biswas Assistant Professor

8 Environmental

We do not create the work. I believe we, in fact, are discoverers. – Glenn Murcutt

Universal Design

Throughout the world, environmental degradation playing a pivotal role. The energy from the sun along has become a common factor due to the rapid with the proper insulating materials and creation growth of communities and subsequent resource of comfortable indoor environment benefits all augmentation. There is also a relationship between the occupants. Pertaining to universal design, it is growth of economy and environmental degradation, possible to design a building with passive solar based on population densities, economic growth, technologies thus creating magnificent spaces environmental factors and others. Holistically, the which are well ventilated and lighted with proper environmental impact of a community depends on day lighting, having good visual potential and thus the activity pattern of people which is in relation feeling comfortable throughout the year. This aligns with the carrying capacity of the ecosystem. This with the notion of universal design as it renders the paper deals with the proper application of solar building more usable, efficient and accessible in a energy which acts as a tool for preservation of the ecosystem in the context of universal design process.

Solar Energy has been harnessed by humans since the ancient times. The radiation from the sun along with other solar powered resources such as wind, hydroelectricity and biomass etc. accounts for most of the available renewable energy on earth. Universal Design is the design and composition of an environment, which would meet the need of people of all age groups, so that it can be easily accessed, understood and used in an extensive way regardless of their age, size, ability or disability.

Universal design principles have a close propinquity with the green houses having a good thermal envelope where the sun and its energy have been

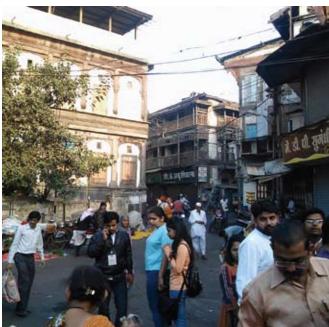
way providing more natural light.

It is evident that sun and its energy create a substantial impact on the designing of buildings. Moreover, these buildings are accessed and used by people. Hence a building acts as a proponent of solar energy on one side and universal design, adhering to users on the other.

In future, this would help to plan necessary interventions in this particular subject matter. Apart from the radiation of the sun other forms of power resources such as wind, hydroelectricity and biomass could also be adjudged in future in relation to universal design, which accounts for most of the available renewable energy on Earth.

> Abhiroop Das Assistant Professor





Prof. Kalyan Mukherjee was invited to present a published paper at a Conference on Urban Regeneration organized by the MVP College of Architecture at Nashik in February 2017. A tour of the old areas of the town, through some interesting public spaces, was also conducted as part of the conference.

Environmental



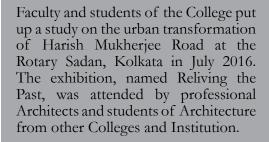


















A seminar was organized during the event. The proceedings included a discussion on the Legacy of a City, included speakers Ar. Partha Ranjan Das, Ar. Arunabha Dasgupta, Social Geographer Prof. Annapurna Shaw and Graphic Designer, Dr. Somsankar Roy.











The study is a documentation of evolution of Harish Mukherjee Road over a time frame of more than a century and it still changes carrying the signature of the past to create an eclectic mixture of architectural styles of different periods of Kolkata. This documentation probably someday will give someone an opportunity to read the city, just like we did, with respect to the past as well as taking the future in consideration.



Faculty members Ar. Atasi Chatterjee, Ar. Meghla Nath, Ar. Janani Ranganathan and Ar. Sumanta Deb Attended a 3 week UGC sponsored Refresher Course on Built Environment and Sustainable technologies at Jadavpur University, Kolkata in January 2017.

Prof. Suranjana Chaudhuri attended a seminar by GIAN (Global Initiative for Academic Networks) course on Reducing Disaster Risks in Historic Urban Areas at IIT, Kharagpur in November 2016.

Suranjana, earlier, had also joined as a speaker to the panel discussion on "Infrastructure and Interiors to promote Inclusivity - A Barrier free environment for Differently Abled People"





Prof. Kaustubh Das and Prof. Sumanta Deb presented papers at Research Scholar Colloquium at IIEST, Shibpur and Prof. Sumanta Deb received the best paper award in the category of Architecture and Planning.

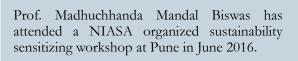


Prof. Sandipan Sinha was invited to present a paper at the International conference on Infrastructure and Real Estate, ICCRIP, organized in NICMAR, Pune





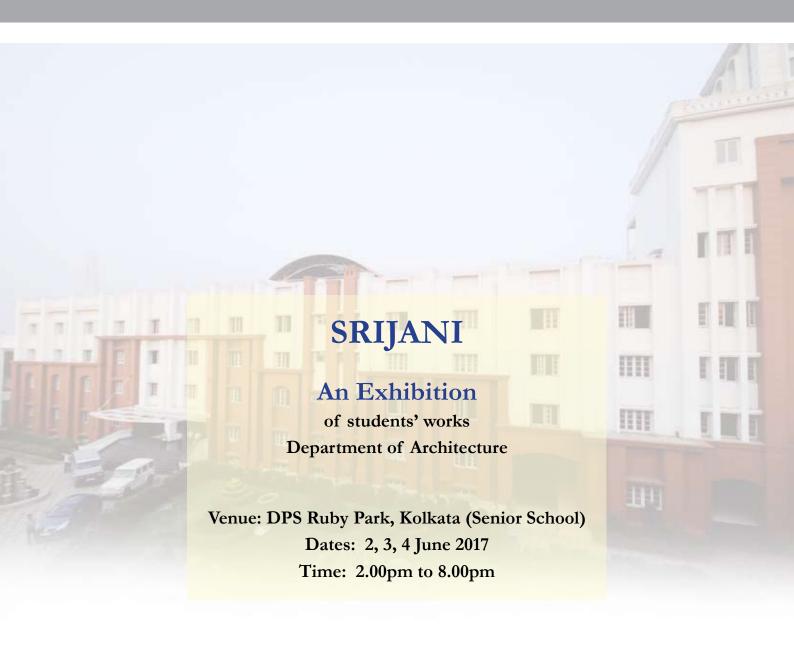
Prof. Kalyan Mukherjee was invited to give a presentation on integration of Green Building in Architectural academics organized by USGBC.





Prof. Bhaskar Chatterjee, Madhuchhanda Mandal Biswas and Arnab Jana attended a 3 day ECBC seminar & workshop at Jadavpur University, organized by AEG & Jadavpur University.

Seminar & Workshop.....11





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