

Annual Report 2019-20

IDEAS – Institute of Design Education & Architectural Studies, Nagpur

I D E A S – INSTITUTE OF DESIGN EDUCATION AND ARCHITECTURAL STUDIES

IDEAS is an institution initiated with the intention of imparting architectural education in a virtuous manner.

Pool of professional architects, lodged together to program the education which forms the integral part of this institution.

Apart from teaching, the faculty at IDEAS is engaged in prudent dispensation of resources which makes IDEAS an institution run by earnest architects in every respect.



BROAD OBJECTIVES

The School aims at establishing an advanced center of learning, turning out creative & technical manpower in order to play a substantial role in nation building.

The faculty members are given opportunities and encouragement to pursue research oriented activities, which benefits the students and the society.

The IDEAS- Institute of Design Education and Architectural Studies strives to build its image in a way that it acts as a platform of excellent learning at national level having expertise to mould the students to cater to the needs of the society in various areas of human habitat, technology, leadership, culture, administration while maintaining ethical, moral and social values.

VISION

'Establishing a center of excellence in the entire spectrum of Design Education and application from Product Design to Architecture and from Applied Arts to Fashion Design to serve humanity.'

MISSION

'To generate effective synchronization of academicians, professionals, technocrats and students to achieve "meaningful architecture" for the development of the society.'

'To sensitize and train the students to develop a sense of commitment, professionalism and inculcate aspiration for continuous update of knowledge, to serve the local & global community.'



Foreword From the Principal

It is privilege to present Annual Report of Institute of Design Education & Architectural Studies – IDEAS for the year 2018-19. The full support of management, valued professional organizations and strong determination of student's community has resulted in significant academic achievements, bringing laurels to the institutes. In the current context of rapid changes that are taking place in our country, all activities directed towards advancements are required to be addressed with utmost care. In this effort, it is also imperative to prepare architects, who could contribute to and manage the needs of the society with equanimity of mind and an attitude of social responsibility.

IDEAS is rated amongst the top 25 Architecture colleges in the country. Our students top RTMNU examinations almost every semester, year after year. The college runs B. Arch, undergraduate and, M. Arch, post-graduate programmes affiliated to RTMNU and recognized by the Council of Architecture.

IDEAS has so far produced over 350 professionals in the past decade through its under graduate and post graduate programs, who are excellent placed in various private and government organizations within the country and outside too. Their professional endeavors in such organizations have resulted in receiving a stamp of excellence and satisfactory feedback for adequate and market ready attributes. It is the outcome of best campus learning experience with specific teaching methodology followed by the institute, including on-site exposure and demonstration through assignments to complement practical knowledge. With changing market trends and upcoming demands, on line teaching / learning methods is also been taken up by the institute through in-house e-learning material and video conferencing facilities.



Prof. Abhay V. Purohit
Principal, IDEAS

IDEAS has developed high quality academic and co-curricular framework to teach aspiring students for delivering them creative and technical knowledge and skills considering the present and future market demand. Post Graduate program (M.Arch) in Environmental Architecture floated by the institute is result of strong urge and commitment of the institute to serve environment and society as per vision and mission statements. This flag-ship program which specializes in promoting regional values, sustainable and environmental friendly practices of habitat development is step further to nurture within aspirants the attributes pertaining to sensitivity and sensible approach towards meaningful design. These professionals then find their carrier opportunities in such organizations that have specialized in such areas, thus adding a meritorious advantage to professional outlook. At institute level, it is pride to record such positive contribution of several hundreds of such graduates and post graduates, thereby giving the distinctive edge to the institute above the rest. Additionally, IDEAS also conducts several customized induction courses for the freshers as well as for intermediates such as Summer Design Studios, Winter Design Studios, RDS, LDS, UDS, IDo, I-Show etc. to develop and ensure creative abilities of the students and focus on their all-round development as professionals.

At IDEAS, all mentors are committed to maintaining an academically rich and professionally competent environment by enhancing the creative attitudes as well as technical skills of our students. Our mentors play a vital role in the overall development of our students and the institute. With the firm belief that, in the current era, creativity and innovation is the basis of sustenance, we keep constantly creating new learning opportunities for our students, beyond what the university curriculum could otherwise provide.

In a very short span, IDEAS has come a long way and has made its impact felt not only in the city, but also the country. Our students have outperformed professionally in local and global scenario and also in the universities in India and abroad as they pursue their higher education. Today, IDEAS is one of the most sought after institute for fresh aspiring architecture students. We are sure that the best in place infrastructure, our highly qualified faculty and a motivated group of students coupled with a vibrant ambience will continue to drive the growth of IDEAS as a great institution. We firmly believe that we shall be counted amongst the best at the national level in the years to come.

In all our efforts, we seek the path of virtue, courage and wisdom. May we be the catalyst in all our efforts to make better architects and human beings, who can make a positive impact in our society and help, build our nation in these ever changing and challenging times.

Warm regards & Good wishes!

Prof. Abhay V. Purohit

Principal,

IDEAS

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Chapter - 1

IDEAS - ORGANIZATION

1.1 Preamble

Institute of Design Education & Architectural Studies – IDEAS, Nagpur is a standalone private educational institute established in 2009. The institute is affiliated to Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur and it offers both undergraduate and postgraduate full time degree programmes approved by Council of Architecture, New Delhi and Directorate of technical education, state of Maharashtra. The Bachelor in Architecture has a sanctioned intake of 120/year and Master of Environmental Architecture has a sanctioned intake of 20/year

1.2 Governing Council of IDEAS

The academic and non academic affairs of IDEAS are managed, administered, directed and controlled by the Governing Council. The constitution of the Governing Council is as under:

Sr. no	Post	Name
1	Chairman, Governing Council	Shri Umakant J. Jattewar
2	Secretary, Governing Council	Ar. Vinod Jattewar
3	Principal, IDEAS	Prof. Abhay Purohit, Principal, IDEAS
4	HOD, IDEAS	Prof. Milind Gujarkar
5	IQAC Coordinator	Prof. Ketan Kimmatkar,
6	Member, Governing Council	Prof. Uday Gadkari
7	Member, Governing Council	Prof. Ajay Thomare
8	Member, Governing Council	Prof. Rahul Deshpande,
9	Industry Expert -1	Ar. Sunil Sawalkar
10	Industry Expert -2	Dr. Akshay Patil

1.3 Grievance Cell

To redress the grievances, in accordance with the instructions of Deptt. of administrative Reforms & Public Grievances, Prof. Abhay V. Purohit , Principal (IDEAS), is functioning as Chief Grievance Officer and Mrs. Sonali V. Jattewar, as Dy. Chief Grievance Officer of IDEAS. Grievance Redressal Mechanism has been uploaded on IDEAS website. Apart from such cell, a separate Internal Complaints Committee for woman is also formed. For students grievances, Anti Ragging committee is formed and is in function. It comprises both student representative and faculty too. The committee s headed by the Principal, IDEAS

Chapter - 2

INFRASTRUCTURAL FACILITIES

2.1.1 Studios Lecture Rooms /V Rooms & other academic spaces



Studio for First Semester B,Arch of IDEAS



Audio Visual Room with Smart Board as LMS



Studio for Seventh Semester B,Arch (Batch of 40 Students) of IDEAS



Multipurpose Hall of IDEAS



Climatology Lab of IDEAS



Auditorium of IDEAS



Lecture Room of IDEAS



Seminar Room of IDEAS

2.1.2 Library:

IDEAS library has a huge collection of books and multimedia CDs on Architecture, Design, Art and History, Environment & Ecology, Technology and Services etc. It also subscribes to a number of Indian and Foreign Technical Journals and Periodicals.

IDEAS Library	2018-19	
	Titles	Volumes
Books	3980	5505
Journals	National	International
	20	5
E-Library	93	
E-Books	625	
Audio-Visual	350	

2.1.3 Sports facilities:

Indoor and outdoor sports and games facilities such as Cricket, Basketball, Volleyball, Badminton, Table Tennis, Carroms, etc., have been developed and students/ are encouraged to avail these facilities. Yoga classes are conducted to keep the students physically and mentally fit and to reduce stress. The Common Room and the state-of-the-art facilities have been provided. The institute organizes yearly such sports events and are enthusiastically attended by students.



Cricket Ground at IDEAS



Kho-Kho Field at IDEAS

2.1.4 Computer Lab:

Computer lab with the required configurations having access to the Internet are available at the Institute. Students are encouraged to use these facilities extensively during and after the classroom / studio sessions to enhance and update their computer skills for continual up gradation of power sector related information. Besides, all the staff have been provided with Computers together with Internet facility and connected in LAN for sharing of Data and file systems to gradually progress towards a Hi-Tech IT driven paperless office.

2.1.5 Laboratories/Workshops

The Institute has built well equipped laboratories and workshops with wide range of facilities for imparting training to students and faculty. Some of the areas where expertise has been built are:

- Advanced Building Services Lab, with facilities for display and operating mechanisms of various services installation.
- Model making workshops for materials like wood, thermacoal, POP, Acrylic, foam etc. has been set up with range of manual as well as power driven tools for the use of students.
- Climatology Lab, with tools and facilities for testing of various climatic aspects as per requirement.



Material Bureau of IDEAS



Surveying Lab of IDEAS

2.1.6 Audio Visual Aids

The Institute is well equipped with Audio Visual rooms with teaching aids which are required for efficient running of academic programs. Latest Smart board projection systems and computer compatible projection systems have been added in the existing LCD projectors, overhead projectors, recording decks, computers, for various lecture sessions in academic curriculum.

2.1.6 Providing Video Conference Facility

The institute has Video Conferencing facility for interaction among various staff members of the organization on regular basis..



CHAPTER – 3

ACADEMICS AT IDEAS

There are numerous activities initiated by the institute through academic studio assignments to ensure social outreach and develop sensitivity and imbibe regional local/ vernacular values within students. This is regular practice which institute follows every academic session across various semesters under different courses. To mention few, following are details of such activities under respective head as:

3.1 RURAL DESIGN STUDIES

3.1.1 SCHEME OF EXAMINATION

SR. No	Subject. Name	Code	Paper/ Sessional	Max. Marks	Total Marks	Min. Pass Marks
3.	Rural Design Studies 17	R.D.S. 2017	Practical	50	100	25
			----- ----- Sessional Viva - Voce	----- ----- 25 25		----- ----- -- 25

3.1.2 Rural Design Studies (RDS) - Brief

The field project of “Rural Design Studies” is an academic initiative to expose students to majority of rural expressions. This gives an opportunity to seek knowledge and experience the diverse nature of man and environment relationships. During this interface, they come across various aspects of lifestyle of villagers which helps them understand the covert relationship of habitat and climate, occupation and biodiversity, resource and rituals for sustainability etc.

3.1.3 RDS Objectives:

3.1.3.a To make students understand and analyze the site and surrounding both at macroscopic and microscopic levels for various aspects.

3.1.3.b To help them understand the symbiotic relationship of activities and spaces at individual and neighborhood level.

3.1.3.c. To document and understand art and artifacts, tools and instruments evolved from lifestyle of villagers.

3.1.3.d. To undergo the procedure of applying techniques of formal and informal documentation.

Practical work: will include practical exercise on selected out stationed site, audio visual documentation, Sketches, notes, interviews etc.

Sessional work : Notes, plates, assignments, presentations and publications.

3.1.4 RDS Conduct Procedure:

Following is the sequence adopted to conduct RDS and Photographic documentation of various events related to field project.

Stage 1: Presentations on learning out of previous field projects by Senior Students.



Photo / Figure: I, II & III

Interactive session and display of previous field project work.



Stage 2: Photo IV: Lecture on Rural India by Prof. Milind Gujarkar



Stage 3: Photo V Faculty review of students Field visit and work.:



Stage 3: Photo VI & VII Students working on Field for documentation and data collection.

Stage 4: Exhibition of the work done by students during the field project at Chitnavis Centre on 29th June 2019:



Photo VIII: Poster of Exhibition of Student's Work



Stage 4: Photo IX & X: Exhibition visited by reputed Architects from the region.



Stage 4: Photo XI: Students explaining their work and interacting with professionals in the Exhibition.

3.2 GREEN DESIGN STUDIES (GDS), 2018

The course strives to explore the way environment and the elements such as water, earth, air, shape the built forms and the settlements. Additionally the study focuses on environmental impact of the habitation and current issues through observing and documenting the interaction of human civilizations with these natural elements in historical and current practices.

3.2.1 GDS Objectives

1. Understanding the natural elements, water, earth, air and its interface with built form from past to present.
2. Comparative analysis through historicity and documenting the causes of present environmental issues.

3.2.2. Units

1. Introduction to Green Design, four sphere of environment. Role of water, air, earth.
2. Ecosystem, pollution, Effects of pollution on built structures and vice versa.
3. Natural resources and green cycle in past. Present environmental issues.
4. Live case studies and its understanding.

Practical work:

Practical exercises, on field studies and surveys on selected site, audio video documentation, sketches, notes, etc.

Sessional work : Notes plates group assignments, presentations etc. Field Project 2018 – Green Design Studies (GDS)

Academic year – Winter 2018-19 Class – 3rd year, 5th semester
Date : 12.6.2018 - 22.06.2018

3.2.3.Documentation and Analysis

3.2.4.b Green Design Studies - Working structure

Factors establishing relationship between water and built structure
 (at identified location)

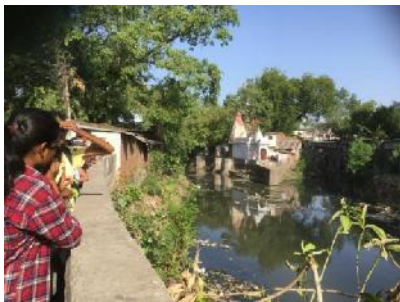
Nature of water front	Edge condition	Visual survey , Observation
	Topography and its form along the edge	
	Water quality	
	Effect of flooding on adjoining area	
Built form character	Built form in form of built mass	Visual survey , Observation
	Spatial configuration, hierarchy, open and built relation with respect to water edge	
Land use component	Types of use and functions of land	Interviews and questionnaire
	Types of activity pattern along the water front	
Activities, context and response of people	Location and context of people, Accessibility preference and visit to water bodies etc	
	Activities of people along waterfront	
Case study of similar scale river rejuvenation	Identification of similar case studies	Guidelines
	Case study analysis and finding guidelines	

3.2.4 . Identified Site

3.2.4.a Selected zones



3.2.4.b Students on field for data collection and analysis



3.2.5.c .Study output and exhibition for public



3.3. SOFTWARE TRAINING PROGRAM

3.3.1 SCHEME OF EXAMINATION

SR. No	Subject. Name	Code	Paper/ Sessional	Max. Marks	Total Marks	Min. Pass M
1.	Software Training Programme 2014	S.T.P.2014	Sessional Viva - Voce	50 50	100	50
2.	Software Training Programme 2015 ADVANCE	S.T.P.2015 ADV.	Sessional Viva - Voce	50 50	100	50

3.3.2 SYLLABUS

Software Training Programme S.T.P.2018

The Software Training Program (S.T.P.) caters with the basic knowledge of the software. It is a co- curriculum program which is taken along with the regular sessions. It includes basic software's which are important for students.

Objective-

1. The program aims at making students learn, understand and aware about the digital means for their curriculum, co-curriculum and future works.
2. It helps in clarification of visualisation.
3. It also aims to improve graphical and presentation skills via different software.

UNIT 1: Adobe Photoshop UNIT 2: Autodesk AutoCAD Sessional work:

1. Class assessment as per exercises given to be completed in class within stipulated time.
2. Some long term exercises which requires base work.
3. Some parallel exercises related to other subjects.

3.3.3 Software Training Programme Advanced S.T.P. 2018 ADV.

Software Training Programme 2015 ADVANCE

The Software Training Program (S.T.P.)Advance is an additional learning program for the students. The S.T.P. Advance caters software teaching for students. This program includes software's that are of higher grade than Software Training Program (S.T.P.).

Objective-

1. The program aims at making students learn, understand and aware about the digital means for their curriculum, co-curriculum and future works.
2. It helps in clarification of visualisation.
3. It also aims to improve graphical and presentation skills via different software.

UNIT 1: Google Sketchup

UNIT 2: Autodesk Revit Architecture

Sessional work:

1. Class assessment as per exercises given to be completed in class within stipulated time.
2. Some long term exercises which requires base

work. Some parallel exercises related to other subjects.

SUMMARY REPORT

1. Brief:

The Software Training Program (S.T.P.) caters with the basic knowledge of the software. It is a co-curriculum program which is taken along with the regular sessions. It includes basic software's which are important for students.

2. Objectives:

1. The program aims at making students learn, understand and aware about the digital means for their curriculum, co-curriculum and future works.
2. It helps in clarification of visualization.
3. It also aims to improve graphical and presentation skills via different software.

3.Schedule:

The schedule for the program is a part of Academic Time Table for both the sessions along with a poster.



3.4 Urban Design Studio – Seventh Semester 2018-19

Name of Subject: Elective: Urban Design/ Urban Aesthetics

Name of Faculty In charge: - Ar Harshwardhan Nagpure
- Ar Veepa Jariwala
- ArAhsaas Tarwani

Studio Mentors Chinmay Pathak
Tanishka Acharya
Drupad Ashar.

Studio Duration 16th May 2018 to 16th June 2018

Location of the studio Walled City Amritsar

Title: Understanding Culture, Aesthetics and Urban Form:

3.4.1 History changing Course of Urban Form:

“The **Religious Belief and Culture** shapes the character of the city – a combined work of **Folk, Culture and Place Making**”.

A Case of Walled City Amritsar.

Urban design is the process of shaping the physical setting for life in cities, towns and villages. It is the art of making places / Designing Public Realms .It is process of formulating a ‘Vision’ for a city. It involves the Design of buildings, Groups of buildings, Spaces and Landscapes, and establishing the processes that make successful development possible.

Urban design demands, broad understanding of cities, towns and villages, and ways of making them work better. This involves understanding ,how the planning system operates, how real-estate mechanisms functions in a city , how to assess what makes a particular place special, how to make places easy to move around by foot and vehicle, how to bring life to places ,that have become dilapidated, how to conserve historic buildings, how to make the most of the landscape, how to think about the future of small and large development sites, how to involve local people, how to make sure whether projects executed to their best potential, how to communicate effectively, how to negotiate, and how to write design policies and guidance.

With the above understanding about urban design, the Studio aims to familiarize the students with the next level of city design with emphasis on **Understanding and Analyzing parts of a city** within selected precinct. Students are envisaged to know the process of“**Reading a fabric and analyze the various realms** “,in order to make the city alive, vibrant and increase interaction between the residents.

3.4.1.a. Preface:

- “**Indian CITY is born out of history and the concept of URBAN SPACE** resultant of great history and tradition”. “**SACRED space is the means to connect human world and divine realities**” (Connecting Tangible and Intangible)

- “**Urban Design is a Movement NOT a Profession**, Urban form is made out of layers that change at different rates”

- **CITY AS AN ACT OF WILL** Reflected in : Space Experience , Space and Form ,Defining Space ,Articulating space , Space and time ,Space and movement ,The Nature of Simultaneous ,Movement systems ,Psychology of Space , SPACE THEORY – Visual Experience : “Edmund Bacon 1967”

- **“The Scenery of towns is often revealed in a series of jerks or revelations: Serial Vision”**
“Cities for Human Behavior and Satisfaction” Uniqueness is a primary appeal and value for living in, visiting and celebrating cities”.

- **“Cultural matters are integral parts of the lives we lead.** If development can be seen as enhancement of our living standards, then efforts geared to development can hardly ignore the world of culture.” ... Amartya Sen

- **“Spatial Patterns of human settlements is determined and re adjusted by the daily human needs and also by their social norms and culture settings”** Amos Rapoport.

- **“Genius Loci arises most particularly from the experiences of those using places rather than from deliberate “place Making”.**

3.4.1.b Objective of the Studio:

“Understanding and analyzing an unplanned organic settlement within an existing **“City of Amritsar”** addressing to the rich cultural heritage, lifestyle and inherent values within the city, including both cultural and natural resources , associated with a historical event , activity exhibiting other cultural or aesthetic Values”.

“Religious Belief, Culture and Social Patterns are the key urban form determinant’s manifested in Aesthetics and Urban Form resulting in structuring of the city / Settlement and reflected in Festivals and Fairs”

The Religious Belief and Culture shapes the character of the city – a combined work of Folk , Culture and Place Making. Urban Character, Building Context , Street Experience , Building Expression , Building Access , Permeability, Vitality ,Responsive Environments as key Principles of Urban Design to study Folk ,Culture and Place associated with History over time : changing the course of Urban Form .

The studio aims at selecting settlement within Historic Organic Settlement of Old City Amritsar and documenting, Understanding and Analyzing the rich heritage values, culture and lifestyle which is predominately manifested into the Urban Character of Amritsar.

These Manifestations can be seen in the entire urban fabric which can be studied in the following parameters:

I. Folk (Idea of urban experience): People form the most important element of Place Making. It is the people whose cultural values and social norms structure the Public Realm.

II. Culture (Idea of public realm): The Cultural and heritage values (Lifestyle and Values) are manifested in the build fabric which is evident in its Architecture and Public Realms . The Study can broadly be classified into:

1. Street :

- **Unity In Design**
- **Social Relations**
- **Place for Recreation and Play**
- **Place for Festivities and Fairs**
- **Social Security**
- **Traffic Movement**

2. Surprising Open Spaces and Squares

3. Bazaar (Commercial Markets / specialized Markets)

4. Mohalla (Residential Cluster)

5. Religious Places and Sarovar (Holy Water Body)

6. Gates and Walls

7. Historical Structures and Areas.

III. Place (Idea of linking the monuments): Sustained through the test of time, through cultural, socio political overlay.

CHAPTER – 4

CURRICULAR AND CO CURRICULAR ACTIVITIES AT IDEAS

4.1 Students Centric Teaching / Learning Methods

Student centric methods, such as experiential learning, participative learning and problem solving methodologies are practiced for enhancing learning experiences. Following is the table indicating various academic assignments conducted in previous academic session across various semesters and courses

Sr.no.	List of Particulars
4.1.	Experiential Learning in Architecture - Case Study : Architectural Design Studios
4.2.	Experiential Learning in Architecture - Case Study : Construction & Technology Studios
4.3.	Experiential Learning in Architecture - Case Study : Building services
4.4.	Case Study: Report on Field trip ,Study Tours , Material Testing Lab etc
4.5.	Case Study : Expert lectures by professional Architects
4.6.	Participative Learning : Urban Design Studio , Rural Design Studio , Group Work, NASA etc .
4.7.	Participative Learning : Case Study : Training done by students in 8th & 9th Semester
4.8.	Problem Solving Methodology : Research Projects , Thesis projects , Kasturchand Park Competition and Node Design Competition in Public Domain for Local Authorities in Nagpur

The academic work was conducted through regular deliberations and reviews from teaching faculty for said courses and assignments and are detailed out as follows:

4.1.1 Experiential Learning in Architecture - Case Study : Architectural Design Studios

Coordinated by	: Academic Head - Prof. Milind Gujarkar
Year/Semester	: All Semesters
Date	: Across the semester
Duration	: 16 Weeks Per Semester
Number of Students	: 484
Number of Teachers	: 43
Event venue	: Architectural Design studios
Objectives	: Student Centric Methods with Emphasis on Experiential Learning in Architectural Design

Description :

Design education seeks to develop skills of investigation, idea generation, communication, and evaluation. The ability to explore situations, define problems, suggest creative ways around problems, and harness technology are all valuable life skills. A detail case study which talks about Institutes ideology and pedagogy of teaching design is elaborated . This study is recognized and awarded by MASA (Maharashtra Association of School of Architecture) in recently held MASA convention at Nagpur .

Photograph: Figure I : **Architectural Design**



4.

1.2. Experiential Learning in Architecture –

Case Study : Construction and Technology Studios

Coordinated by : Academic Head - Prof. Milind Gujarkar

Year/Semester : All Semesters

Date : Across the semester

Duration : 16 Weeks Per Semester

Number of Students : 484

Number of Teachers : 43

Event venue : Studios , Field Visits

Objectives : Student Centric Methods with Emphasis on Experiential Learning in Construction and Technology Studios

Description :

Architectural education is the combination of **technical, theoretical and expression** based courses. As construction courses are the ones that give knowledge about **structural systems, materials,**

structural stability etc; it has a fatal importance in the architecture education program. A detail case study which talks about Institutes ideology and pedagogy of teaching Construction and Technology studios is elaborated . This study is recognized and awarded by MASA (Maharashtra Association of School of Architecture) in recently held MASA convention at Nagpur .

Photograph: Figure II : Construction Technology



4.1.3. Experiential Learning in Architecture - Case Study : Building Services

Coordinated by	: Academic Head - Prof. Milind Gujarkar
Year/Semester	: All Semesters
Date	: Across the semester
Duration	: 16 Weeks Per Semester
Number of Students	: 484
Number of Teachers	: 43
Event venue	: Studios , Field Visits
Objectives	: Student Centric Methods with Emphasis on Experiential Learning in Construction and Technology Studios
Description	:

Building services as a subject deals with understanding and applying various details of Mechanical and Non-Mechanical Systems to Reduce the human Efforts and to create Healthier environment. Of-late the subject has been dealt as a typical theory subject, leading to general disinterest in the field, Whereas, hands on learning encourages critical thinking, teamwork, and problem solving skills. Being

an important part of architectural planning and designing experiencing the physically implemented system shape students to correlate with the theory learnt.

Photograph: Figure III : Building Services



4.1.4. Case Study : Report on Field Trip Study Tours , Material Testing Labs etc

Coordinated by : All concerned Faculties in Coordination with academic Head

Year/Semester : All Semesters

Date : Across the semester

Duration : 16 Weeks Per Semester

Number of Students : 484

Number of Teachers : 43

Event venue : Auditorium , Field Visits , Ongoing Sites etc

Objectives : To enhance the learning experience and to get on field knowledge about contents taught in the Theory Classes .

Description :

At IDEAS , Across the year , Various Field Trip Study Tours , Material Testing Lab visits etc are planned . These visits are scheduled in close coordination with Practicing architects and professional who can give inputs to the students on field . This process help students to see things happening practically on ground resulting into providing reach learning experience. A detail report on the same is enclosed herewith .

Photograph: Figure IV : Image Showing visit to Gokulpeth Market Area to understand the functioning .



4.1.5. Case Study : Expert Lectures by professional Architects

Coordinated by	: All concerned Faculties in Coordination with academic Head
Year/Semester	: All Semesters
Date	: Across the semester
Duration	: 16 Weeks Per Semester
Number of Students	: 484
Number of Teachers	: 43
Event venue	: Auditorium , Audio Visual Rooms
Objectives	: Guest lecturers to strengthen knowledge about Architecture and to establish connect with Architectural Profession

Description :

At IDEAS , Across the year , Various Guest Lectures by Master Architects , Professional practicing Architects , Artist , Sculptors etc are organized . These lectures are ways through which students get knowledge on various design , Construction , services related issues . The Inputs in these lectures strengthen the fundamental of the students and in process help develop Architectural Vocabulary .

Photograph: Figure V : Image Showing Ar. Dean D'Cruz Interacting with studios during his recent Lecture in Institute



4.1.6. Participative Learning : Urban Design Studio , Group Work , NASA Participation Etc

Coordinated by : All concerned Faculties in Coordination with academic Head

Year/Semester : All Semesters

Date : Across the semester

Duration : 16 Weeks Per Semester

Number of Students : 484

Number of Teachers : 43

Event venue : Auditorium , Audio Visual Rooms , at Identified Settlements

Objectives : To Strengthen Participative Skills of the Students and learn from the peer learning in multidisciplinary field of Architecture

Description :

At IDEAS , we conduct Urban Design studios with 7th Sem Students , Rural Design Studios with 2nd Sem Students , Settlement Studies with 10th semester Students and Various Group works in Studio Subjects , Theory Subjects and electives . These Activities allow students to work in group at initial stages and collectively come up with a consolidate outcome which enhance the decision making ability , Strengthen the ability to work in a group and in process strengthen participative Skills of Students . Images and Glimpse of these group works is enclosed with the document .

Photographs : Figure VI: Image Showing Participates of Urban design studio "KOLKATA"



Figure VII: Image Showing field visit for Urban design studio "KOLKATA"



Figure VIII: Image Showing a Team Work Executed in Vayu Sena Nagar near Futala lake



Figure IX: Image Showing ongoing Juries for Urban Design Studio "Lucknow"



Figure X: Image Showing Team Building Session Conducted for Effective Learning in a Group



Figure XI: Image Showing Landscape Elective Done by students in Group

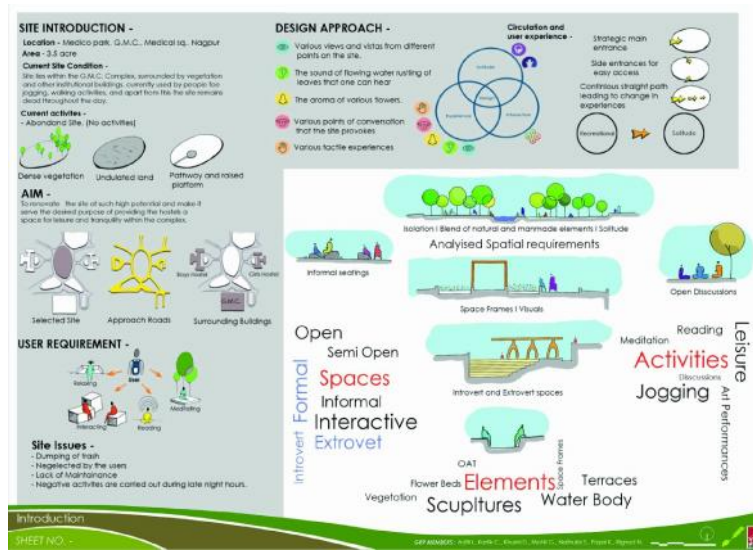


Figure XII: Image Showing Certificate of Citation in NASA for Work one in Group of Students



4.1.7. Participative Learning : Training done by Students in 8th and 9th Semester

Coordinated by	: Prof. Ajay Thomre
Year/Semester	: 8th and 9th Semester
Date	: 1st Jan to September End
Duration	: 16 Weeks Per Semester
Number of Students	: No of Students qualified after 7th Sem.
Number of Teachers	:
Event venue	: Respective Architects office

Objectives : Practical Training to gain on field knowledge and to connect with Architectural Profession .

Description :

At IDEAS , all the Students of 8th and 9th Semester Students go for practical Training at Architectural Firm across the country . These firms provide exposure to the students in various field of Architecture design , Construction , Services and also help learn the functioning of the Office .The Students Face Real World Challenges . The Students are hence prepared professional and knowledge gained is adopted in Thesis in 10th Semester and also in Practice which they establish after passing out from the institute.

Photographs : Figure XIII: image Showing Training Review of the Student being conducted by Practicing Architect Ar. Kaushal Jaju.



4.1.8 . Problem Solving Methodology : Research projects , Thesis projects , Node Design Competition etc

Coordinated by	: Prof. Uday Gadkari and Prof. Ketan Kimmatkar
Year/Semester	: Final Year and 4th Year students
Date	: Throughout the semester
Duration	: 16 Weeks Per Semester
Number of Students	: No of Students qualified after 7th Sem.
Number of Teachers	:
Event venue	: Thesis studio , Auditorium , Projects in Public Domain .
Objectives	: Derives methods to deal with various challenges in Real time projects , in Thesis , research .
Description	:

At IDEAS , students are encouraged to take Final Year thesis Projects , Research Projects which are addressing various issues which city is facing . Large Scale Architectural projects on derelict Land parcels and ongoing issues addressing Smart cities etc are also taken by students to address real issues in the city. Students also participate in competitions floated by Local Decision making authorities Like Nagpur Municipal Corporation and Nagpur Improvement trust . Recently the ongoing work of Kasturchand Park heritage site is done based on the designs done by Students of IDEAS .

Photographs : Figure XIV: image Showing Work Displayed for Exhibition - NMC Market Design



4.2 Use of LMS Facilities at IDEAS

4.2.1. Information Communication and Technology (ICT) at IDEAS

Coordinated by	: All Faculties
Year/Semester	: All Semesters
Date	: Across the semester
Duration	: 16 Weeks Per Semester
Number of Students	: 484
Number of Teachers	: 43
Event venue	: AV Rooms , Auditoriums , Studios etc
Objectives	: Using Information , Communication and technology fort Effective Teaching and leaning .
Description	:

At IDEAS as a standalone Architectural institute ,the Information and Communication system is adopted to deliver presentations, lectures, seminars , Workshops etc by Teachers , Students , Guest Lecturers , Visiting Faculties , Experts from the professional Field .

Architecture being blend of Creativity and Technological knowledge , Dynamic Teaching is adopted , wherein faculties also adopt blackboard teaching as sequential learning process and teaching fundamentals pertaining to the subjects.

Flipped learning : As part of ICT , the students are encouraged to refer various web links and resource material on the web, shared by faculties as an approach in which the conventional notion of classroom-based learning is inverted . We have climatology lab , in which various simulation software's for experimentation in design are used . Faculties refer and show various TED Talks , You tube videos , research papers to students .

The Entire campus of IDEAS has WI-FI access. We have Projector Equipped, Digital Class rooms with Ceiling mounted Projectors and Wall Mounted Screens. We have projectors through which the projection from Computers can directly paired to the screen by wireless .All the Audio Visual Rooms are Air Conditioned.

We have advanced system through which we can project the screen simultaneously in all the Audio visual rooms , Open Air Theater , Lobby and Auditorium . All the Subject heads , Design Coordinators , principal , Teachers , Academic teams have a whatapp app Groups on which communication is done on day to day basis The Students have respective groups with the mentors and faculty members on which sharing of E-Books, Research Papers , Articles , Presentations , Crucial Information about the topic are shared and discussed .

Figure XV : Image Showing faculty meeting conducted through AV projector



Figure XVI : Image Showing faculty Presentations conducted through AV projector



4.3: Innovation and Creativity in teaching- learning

To ensure a constant update in teaching methods, the institute works regularly on strategies and policies to achieve creativity and consistency within students. Following table shows various strategies worked out by the institute, which has helped to boost innovative as well as creative approaches to educate the students.

Sr.no.	List of Particulars
1.	Vertical Design Studio - 2018-19 - Policy Document
2.	Vertical Design Studio - 2019-20 - Policy Document and Presentations
3.	Allied Design Studio : Case Study - 3rd Semester Work of 2018 Batch
4.	Competitions : Heritage Design Competitions and Node design Competitions

4.3.1. Vertical Design Studio - 2018-19 - Policy Document

Coordinated by	: Prof. Milind Gujarkar
Year/Semester	: All Semesters
Date	:8th Dec to 25th Dec
Duration	: Entire Day
Number of Students	: 484
Number of Teachers	: 43
Event venue	: Architectural Design studios , On Site , College Campus
Objectives	: Enhance ability of the student to innovate and create to strengthen Architectural Knowledge and Understanding.
Description	:

The institute believes in imparting education through **“Learning Through Experimentation”**. The Institute organize **Ideas Design Opportunity (Ido)** which increase participation of students and cross learning’s by conducting a Vertical Design Studio. **This Vertical design studio provides a platform for students to interact, learn , Understanding team building , leadership qualities and learn various aspects required to provide design solutions .**

Photograph: **Figure XVII** : Participants of Vertical Design studio with Mr. Nellabh Banerjee Cartoonist with ToI



4.3.2. Vertical Design Studio - 2019-20 - Policy Document

Coordinated by : Prof. Rahul Deshpande

Year/Semester : All Semesters

Date :8th Dec to 25th Dec

Duration : Entire Day

Number of Students : 484

Number of Teachers : 43

Event venue : Architectural Design studios , On Site , College Campus

Objectives : Enhance ability of the student to innovate and create to strengthen Architectural Knowledge and Understanding.

Description :

The institute believes in imparting education through “**Learning Through Experimentation**”. The Institute organize **Ideas Design Opportunity (Ido)** which increase participation of students and cross learning’s by conducting a Vertical Design Studio. **This Vertical design studio provides a platform for students to interact, learn , Understanding team building , leadership qualities and learn various aspects required to provide design solutions .**

Photograph: **Figure XVIII** : Vertical Design studio Conducted in Public Domain



4.3. 3. Allied Design Studio : Case Study - 3rd Semester Work of 2018 Batch

Coordinated by	: Prof. Milind Gujarkar
Year/Semester	: 3rd Semester (2018 Batch)
Date	: Entire Sem
Duration	:
Number of Students	: 115
Number of Teachers	: 9
Event venue	: Architectural Design studios
Objectives	: To connect Architectural Design Studio with Allied Perspectives
Description	:

The institute believes in Innovative and creativity in teaching and learning . With this process in mind , we have initiated a new method of teaching design through Allied design Studio . This helps students to integrate with various practical approach and material understanding resulting into a quality outcome and well integrated design solution . A study associated with this is attached with the Document

Photograph: **Figure XIX** : Students working in allied Design studio with Hand on Experiences



4.3.4. Competition Participation : Heritage Design Competitions and Node design Competitions

Coordinated by : Prof. Ketan Kimmatkar

Year/Semester : Final Year and 4th Year students

Date : Throughout the semester

Duration : 16 Weeks Per Semester

Number of Students : No of Students qualified after 7th Sem.

Number of Teachers :

Event venue : Thesis studio , Auditorium , Projects in Public Domain .

Objectives : Derives methods to deal with various challenges in Real time projects , in Thesis , research .

Description :

At IDEAS , students are encouraged to take Final Year thesis Projects , Research Projects which are addressing various issues which city is facing . Large Scale Architectural projects on derelict Land parcels and ongoing issues addressing Smart cities etc are also taken by students to address real issues in the city. Students also participate in competitions floated by Local Decision making authorities Like Nagpur Municipal Corporation and Nagpur Improvement trust . Recently the ongoing work of Kasturchand Park heritage site is done based on the designs done by Students of IDEAS .

Photographs : Figure XX: Works of Students Displayed in IIA Exhibition



Figure XXI: Live Project got recognition

TheHitavada
 NAGPUR ■ Thursday ■ November 15 ■ 2018

IDEAS' project on Hitavada building, other structures among top 10 national entries

■ Staff Reporter

CITY'S heritage structure 'The Hitavada' building has been selected in top 10 heritage structures at national level. A team of Institute of Design Education and Architectural Studies (IDEAS) who had worked on documentation of historic buildings that included the building of *The Hitavada* has been emerged as the only institute to get all entries selected among 19 structures at the national level.

Council of Architecture (COA) instituted award for excellence in documentation of Architectural Heritage in India. COA heritage awards were instituted with an objective to encourage interest and talent of students for understanding, documentation of heritage buildings and to develop sensitivity and awareness towards India's Architectural Heritage amongst students of Architecture across the country.

IDEAS participated in COA 2018 student awards for excellence in documentation in architectural heritage. IDEAS participated with three entries and all these entries have been selected at Zonal Level Round held in Vishakhapatnam. Further, out of the 25 entries selected for National level, all these three entries of IDEAS were selected

amongst top 10 entries. Students of IDEAS got recognition at national level and special recognition was given to documentation of 'The Hitavada' for heritage awards at national level held at Bhagwan Mahaveer School of Architecture, Sonapat, Haryana. This work along with other nine short listed entries would be published by COA for circulation at national and international level.

The three entries submitted by IDEAS and featured in national level include office building of The Hitavada; late Rani Bakabai Wada and Kotwali, currently used as D.D. Nagar Vidyalyaya and police Station, Mahal; and The Indian Village, Intangible Cultural Heritage documentation at village Dongargason In Gondia district.

Editor of *The Hitavada* Vijay Phanshikar and R V Neve, Secretary of Servants Society of India helped the team of IDEAS to complete research work.

A team of 34 students worked under the guidance of Prof Abhay Purohit, Principal of IDEAS, Prof Uday Gadkari, Prof Milind Gajarkar, Prof Ketan Kimmatkar, Prof Harshwardhan Nagpure, Prof Devan Deshpande, Shreeya Gavande, Minal Bais and Majid Abidi represented the respective teams and presented at National Bhagwant Mahaveer School of Architecture, Sonapat, Haryana.

IDEAS team selected for Council of Architecture's competition

■ The team worked on the structural design of the historic building that houses *The Hitavada* office

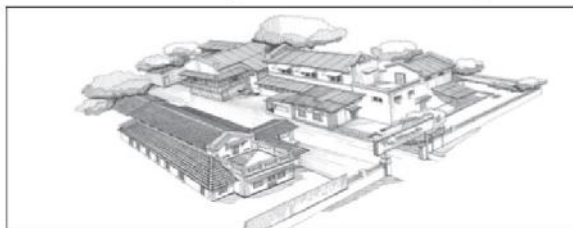
■ Staff Reporter

A TEAM of Institute of Design Education and Architectural Studies (IDEAS), Hudkeshwar, has been selected for the national competition 'Council of Architecture Trophy'. The competition is organised by Council of Architecture. The finals will be held in New Delhi in November.

As per the requirement of the competition, the team has selected the historic building of *The*

Hitavada' which has a library and a post office that serves the residents of Dhantoli area. Being called a heritage structure, the complex underwent phases of evolution years of struggle of pre-independence era.

It took two months to complete the research work. Editor of *The Hitavada* Vijay Phanshikar and R V Neve, Secretary of the Society helped the team by providing information about the structure and the institution. The IDEAS team topped the list in the



The structural design of *The Hitavada* that was prepared by IDEAS team for the competition by Council of Architecture.

Hitavada office. The students of IDEAS did a lot of research work and explored history, material used for constructing the building and other things related to the building. They covered in their research work the structure of *The Hitavada* office building, residence of Secretary of Servants of India Society, post office and the library. They prepared a design of the complex that was planned first time in the history of the organisation. In the year 1908, Gopal Krishna Gokhale put found-

Central Zone and the finals will be held in New Delhi soon.

The team of 34 students worked under the guidance of Prof Abhay Purohit, Principal, IDEAS, Prof Uday Gadkari, President, Prof Milind Gajarkar, HoD, Prof Harshwardhan Nagpure and Prof Devendra Deshpande. Toral Chikani, Saloni Sawal, Vagneeta Thakur, Shreeya Gavande, Shrinivas Modak, Shirang Kulkarni and Saket Sabare helped their juniors in the team for the project.

Figure XXII: Creative and Innovative Approach of IDEAS got Recognition .

The **Hitavada**

NAGPUR ■ Monday ■ July 22 ■ 2019

CityLine

3

Architecture students come up with 'Ideas' for smart Nagpur

■ Principal Correspondent

NAGPUR is no doubt trying to become a smart city, at least, on paper. But citizens are trying hard to draw attention of authorities concerned towards the things which can be put in place to make Nagpur look smart. One such attempt was made by Institute of Design Education and Architectural Studies. It organised a summer studies workshop, a 15 days studio program for students. This was done to explore the co-curriculum academic activities which could not be covered in regulars, labus and give students an exposure about architecture, culture society and their own city. Responding to it, students came up with several ideas.

The topics of the study were – Urban Design Studies, Green Design Studies, Landscape Design, Appropriate Technology Studies, Vernacular Design Studies, Rural Design Studies, Art Appreciation Studies and Tracing Climate Responsive Studies.

The aim of the Summer Study was to make students aware about the wide range of studies in the field, which they can use in their further design projects.

Of the seven studies, three – Landscape Design Studies, Green Design Studies and Urban Design Studies – focused mainly on making Nagpur a Smart City.

Landscape Design Studies had a very unique approach towards process-oriented design; the objective of this studies was to trigger clues through literature describing constitution and usage of open space and its creative process of developing abstract through derived key words, leading to a design proposal of open space for identified relevant city pockets.

Various abandoned and under-utilised sites like Medical Garden, Shantinagar, Futalalakefront, Police Talao within the city were selected and studied thoroughly for assessment of present day requirement to frame the proposal. Innovative land-

scape proposals for these areas like -healing garden, plazas, water fronts and others were resulted. The project gave the students an altogether unique way to study and analyse spaces and anchor clues from text to arrive at solutions.

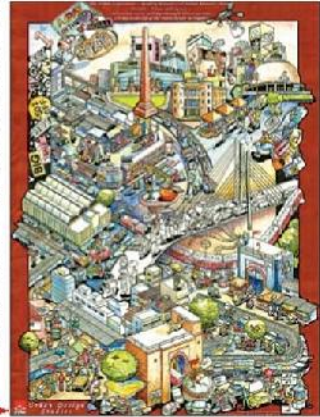
Green Design Studies, was about dying Nag river, which has lent its name to the city. Of the 18 km. long path, four patches were identified and worked on by documenting the past image of the spot, the history of the river, the growth of civilization around the patch, the current scenario and the situation that have led to it. And analysed the details to have come up with the solutions, which are applicable on the approachable basis. Two out of the four patches, i.e. Sanagmeshwar and Tulsi Bagh are the heritage worthy spots whose present pictures are pitiful. With the help of Nagpur Municipal Corporation (NMC) and through survey the project has initiated a public participation. This had left an inerasable mark

on the minds of future architects to work more on the worthy river of the city.

Urban design studio had groups working on urban level in 2 cities, Nagpur and Kolkata. Nagpur city study was done with the objective of understanding and analyzing evolution informal of vegetable markets or bazaar in the city, based on various parameters through which 3 major bazars in the city -Gokul Peth, cotton market and Budhwar Bazar, Mahal were studied. The process of the design studio was in itself a learning process.

Documentation gave the students a better insight about the working and mood of the market area. This has sensitised them about acknowledging and considering various aspects of the market and public, which they will use in coming up with contemporary and modern proposals for the market in future project.

This is the Urban Design prepared by students of Architecture.



CHAPTER – 5

WORKSHOPS AND EVENTS AT IDEAS

At IDEAS, in order to strengthen the core academics, various creative and skill enhancing events and workshops are worked out before the commencement of the session. Majority of such events and programs are arranged within the campus, but few are organized at locations where actual government sanctioned projects are in the phase of execution. This is the medium through which institute joins hands with local government and make students learn and enhance their skills pertaining to practical knowledge by seeking actual hands-on experience. Following are the details of events and workshops conducted by the institute in previous academic session:

5.1. Bamboo Workshop at Kondagaon, Chhatisgarh 2019

Coordinated by – District Administration Kondagaon

- | | |
|------------------------------|---|
| 1 Year/Semester | Third year |
| 2 Date: | 14/02/19 to 17/02/2019 |
| 3 Duration: | Four Days |
| 4 Number of Students: | 25 |
| 5 Number of Teachers: | 02 |
| 6 Event venue | Kondagaon Chhatisgarh |
| 7 Objectives: | Aim of the workshop was to acclimatize students to bamboo as building material. <ol style="list-style-type: none">1. Understanding bamboo as a building material2. Exploring and learning the techniques of bamboo joinery3. Building a bamboo structure on site with the help of bamboo artisans. |

- 8 Description:** The Said Event was the bamboo workshop conducted at Kondagaon Chhatisgarh, by District Administration Kondagaon. In which 25 students of IDEAS along with 02 faculty members actively participated. The said workshop help students to enhance their technological skills and association with the local artisans and make them sensitive about society.

9. Photographs



5.2 Blood Donation Camp 2019

Coordinated by – Concept 'S' GSK Blood Bank

- 1 **Year/Semester** All Year
- 2 **Date:** 26-01-2019
- 3 **Duration:** 1 Day 10:00Am to 2:30 Pm
- 4 **Number of Students:** 15
- 5 **Number of Teachers:** 03
- 6 **Event venue** IDEAS – Studio -3
- 7 **Objectives:** To enhance Social Responsibility Among the Students

8 Description:

Event started at 10:00 am with influential speech by Dr. G.S.Khandelwal (Trustee GSK Blood Bank) on Blood Donation Its Advantages and lack of blood and blood donors in India after that Principal IDEAS. Abhay Purohit motivated students for blood donation and urge students to make this event successful. 32 students and 05 faculties were participated in blood donation. At End of the Event students and Institute are Handed over token of Appreciation.

9 Photograph





5.3 Junction Landscape Design Competition 2019

Coordinated by –Nagpur Municipal Corporation

1	Year/Semester	Fifth Year
2	Date:	20/12/18 to 20/01/2019
3	Duration:	One month
4	Number of Students:	61
5	Number of Teachers:	01
6	Event venue	Nagpur
7	Objectives:	To enhance Social Responsibility Among the Students
8	Description:	The Said Event was the Junction Design competition under smart city Nagpur Program conducted by Nagpur municipal corporation. This competition was conducted by Nagpur Municipal corporation to redevelop the urban squares of Nagpur city under Smart City Nagpur Program. 61 students and 01 faculty from IDEAS has taken part in this initiative by Nagpur Municipal corporation.

9 Photograph of Student's Competition works

WHAT THE COMPETITION WANTS

Nagpur Municipal Corporation
 Presents
जेरिटा
 Junction Redesign Initiative

Junctions are important with knowledge of their nature, their design is critical for the smooth, safe, and efficient flow of traffic. The competition is open to all students of architecture and urban planning in Nagpur and its vicinity. The competition is open to all students of architecture and urban planning in Nagpur and its vicinity.

1 Lakh Rupees Prize For Every 5 Junction

Eligible Junctions

Major roads
 1. Lakhad Amlaha 2. Rajghansa Square
 3. Qandara Chowk

Eligibility

- Only students of degree or diploma in architecture
- The submitted project should be in the form of a drawing on A3 size paper with a scale of 1:1000
- The drawing should be submitted by 20 January 2017, 02:00 p.m.
- The drawing should be submitted in the form of a drawing on A3 size paper with a scale of 1:1000
- The drawing should be submitted in the form of a drawing on A3 size paper with a scale of 1:1000

Prizes

- All winners will be awarded a certificate and a cash prize of 1 lakh rupees
- The winners will be selected by a jury of experts
- The winners will be selected by a jury of experts
- The winners will be selected by a jury of experts
- The winners will be selected by a jury of experts

Last date of submission: 20 January 2017, 02:00 p.m.

Under the patronage of: Hon. Deputy Commissioner, Nagpur, Maharashtra
 Hon. Municipal Commissioner, Nagpur, Maharashtra
 Hon. Municipal Engineer, Nagpur, Maharashtra

THE COMPETITION FOR JUNCTION DESIGN CLEARLY INDICATES "LUNKHANA JUNCTION" HENCE PROCEEDING WITH THE PROPOSAL FOR THE SAME.



WHAT IS A SQUARE?

A SQUARE IS TYPICALLY A CROSSROAD WHERE TWO OR MORE ROADS MEET OR CROSS.

CROSSROADS USUALLY MUST MANAGE PEDESTRIAN, BICYCLE AS WELL AS VEHICLE TRAFFIC.

TYPICALLY USED FOR REGULATION OF INTRACITY TRAFFIC



MAJOR SQUARES ARE CROSSROADS GENERALLY REFERRED TO AS "CHOUK" IN INDIA.



UNTKHANA JUNCTION

UNTKHANA JUNCTION IS TYPICALLY KNOWN AS SAMRAI ASHUK CHOWK AS THE LOCALS CALL IT, SO DOES THE SIGNBOARD ON THE POST OF THE TRAFFIC SIGNAL ADJOINING IT.



UNTKHANA JUNCTION : THE PROPOSAL



OTHER THAN THAT, THE ARCHES COULD ALSO HAVE DIRECTION BOARDS ALONGSIDE FOR BETTER FACILITATION OF USER MOVEMENT HENCE REGULATE TRAFFIC.

THE RAPID SKETCHES HERE IS ARE A ROUGH ESTIMATE OF HOW IT WOULD LOOK IN OVERALL PERSPECTIVE.



CONNECTIVITY

[Fit to window width and enable scrolling]

CITY LEVEL

NIHJ
KIRKALI ROAD

KAMPTEE
ROAD

REGIONAL
MENTAL
HOSPITAL

JARIPATKA

KATOL
ROAD

TOWARS
WARTHHA

POONAM
CHAMBERS

INDORA

PRINCIPAL LEVEL

INFERENCES

Major point as it marking as a starting point for the city.

Major activity along Poonam Chamber's road.

Connecting Nagpur to Koradi Temple which is influencing.

HIERARCHY

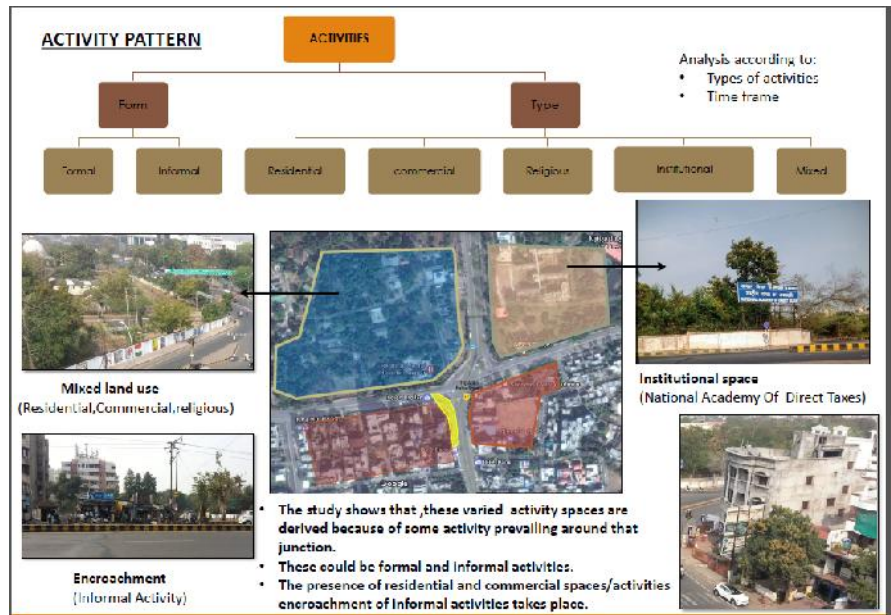
According To Traffic Flow- Wise

PRIMARY, SECONDARY, TERTIARY

According To Historical & Road Width- Wise

SECTION THROUGH "A" SECTION THROUGH "B" SECTION THROUGH "C" SECTION THROUGH "D"

AS IT WAS STARTING POINT & KORADI TEMPLE ROAD I.E. FROM POONAM CHAMBER TO KORADI WAI ROAD



GATE DETAILS



5.4 Cultural Awareness Program 2018

Coordinated by – Komal Thakur.

- | | | |
|---|----------------------------|---|
| 1 | Year/Semester | All semester |
| 2 | Date: | 11 Dec 2018 |
| 3 | Duration: | 1 day |
| 4 | Number of Students: | 479 |
| 5 | Number of Teachers: | 02 |
| 6 | Event venue | IDEAS Nagpur |
| 7 | Objectives: | To Generate cultural sensitivity among the students and involve nearby locals in to the institutional activity. |

8 Event Photographs





5.5 Workshop on Climate responsive Architecture by Ar. Chitra Vishwanath 2019

Coordinated by – Komal Thakur.

- 1 **Year/Semester** Third semester
- 2 **Date:** 12 March 2019
- 3 **Duration:** 1 day
- 4 **Number of Students:** 115
- 5 **Number of Teachers:** 02
- 6 **Event venue** IDEAS Nagpur

7 Schedule of the workshop:

Date	Time	Activity	Inputs	Out puts	remark
12-03-2019	10:00-11:00	Judging the Exhibition	-	-	-
	13:00-14:00	Discussion on Strategies with students	-	-	-
	14:00- 16:30	Group wise hands on	-	Different pottery models	-

8 Objectives To overview the documented work of students and discuss climate Responsive Strategies.

9 Events Photograph



5.6 WOMENS' DAY EVENT -2019

Coordinated by Concept 'S' (Students Council)

Year/Semester All semester students

Date: 8-03-2019

Duration: 1 Day 10:00 Am to 3:30 Pm

Number of Students: All students

Number of Teachers: --

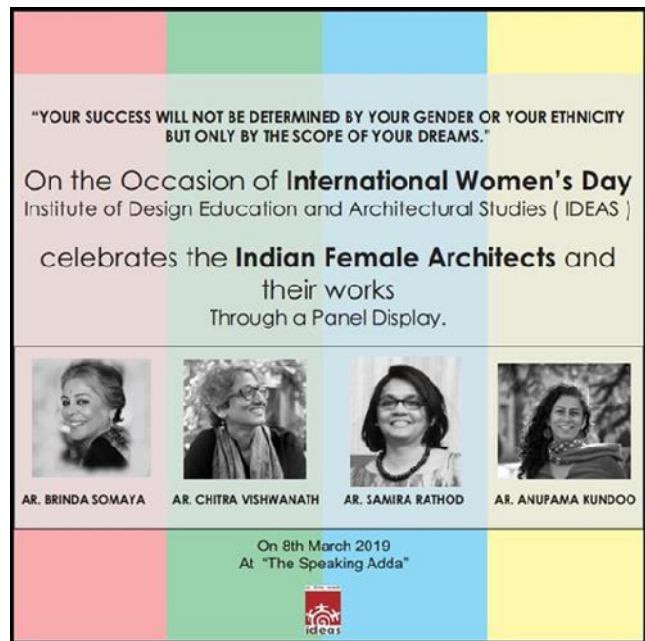
Event venue IDEAS – The Speaker's Adda

Objectives: To encourage gender equity

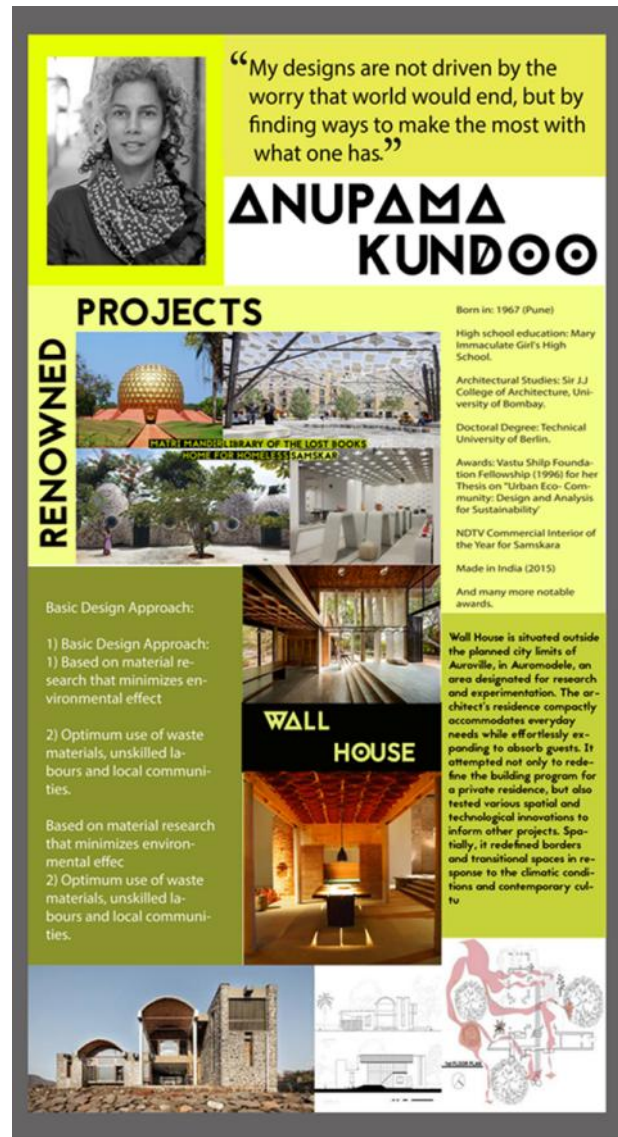
Description: A panel display was setup at The Speaker's Adda in the IDEAS campus to mark the occasion of International Women's Day. It celebrated Indian Female Architects by showcasing their work. The display was put together by the students of IDEAS.

The Institute also signed an MOU with OLAWA to further their work towards creating a gender sensitive environment and empowering girl students

Photograph:



Poster announcing the event



Two panels on display

5.7 Various field trips organized for the students by the institute:

5.7.1 'Field trip to Swami Narayan temple'

- | | |
|-------------------------------|---|
| 1. Event title: | Field trip to Swami Narayan temple, Nagpur for 1 st yr students. |
| 2. Event Date: | 17/08/2018 |
| 3. Event Conduction Duration: | 1day |
| 4. Event Venue: | Swami Narayan temple, Nagpur |

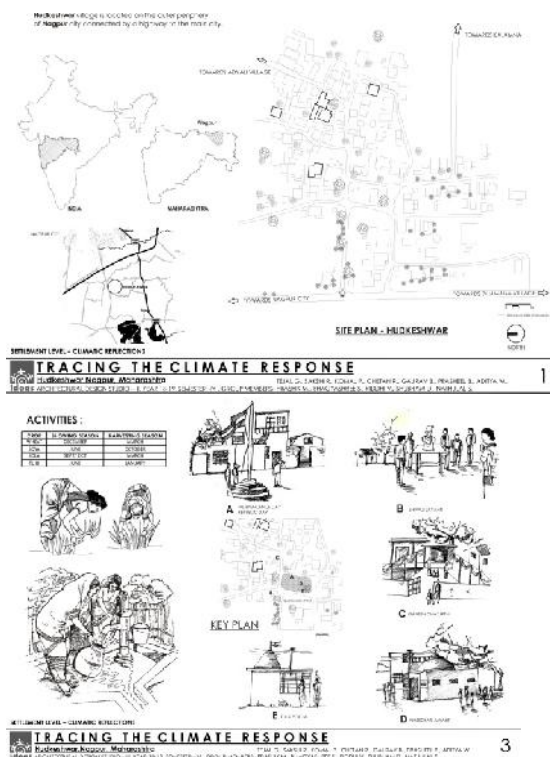
-
5. Name of Event Coordinator: Prof. Vaidehi Pathak
6. Number of Students: 120
7. Objectives: This tour was held to explore the architectural examples in the city and to perform the sketching activity on site.
8. Outcome: Exploring the temple architecture and sketches of temple
9. Photographs:

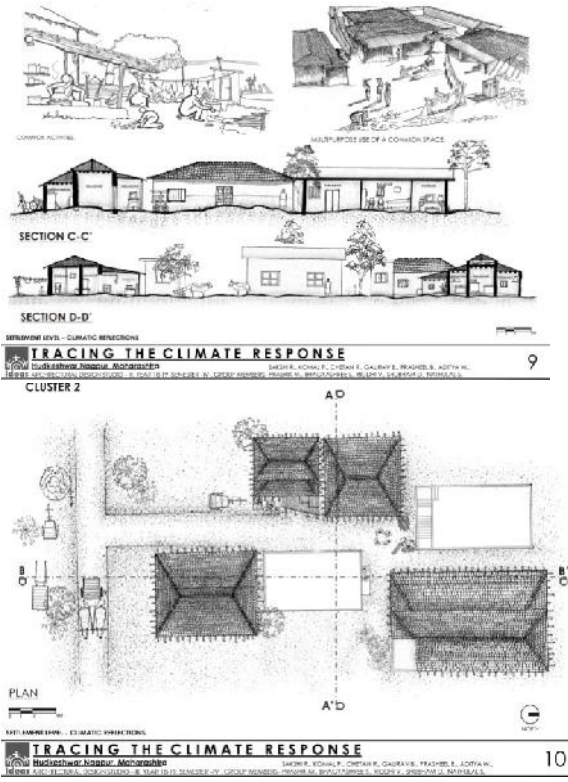


5.7.2

Report on ‘Field trip to Hudkeshwar’

1. Event title: Field trip to Hudkeshwar for 2nd year students
2. Event Date: 29/01/2019
3. Event Conduction Duration: 2day.
4. Event Venue: Hudkeshwar, Nagpur.
5. Name of Event Coordinator: Prof. Komal Thakur.
6. Number of Students: 80.
7. Objectives: This tour was held to study about the Huskeshwar settlement and typology of houses and climate responsive shelter designs.
8. Assignment Outcome:





9. Field Trip Photographs



5.7.3 ‘Field trip to J D College of engineering, Nagpur’

1. Event title: Field trip to J D college of Engineering, Nagpur for 3rd year students
2. Event Date: 27/11/2018
3. Event Conduction Duration: 1 day
4. Event Venue: J D college of Engineering, Nagpur.
5. Name of Event Coordinator: Prof. Ankita Giripunje
6. Number of Students: 98
7. Objectives: Case study of institutional campus and understanding it in terms of planning and designing aspects.
8. Outcome: Case study of J D college of engineering, Nagpur
9. Photographs :





5.7.4 'Field trip to Residential townships of Pune

1. Event title: Field trip Residential townships of Pune for 4th year students
2. Event Date: 26/06/2018 to 1/07/2018
3. Event Conduction Duration: 5 day

4. Event Venue: Pune.
5. Name of Event Coordinator: Prof. Komal Thakur
6. Number of Students: 70
7. Objectives: Case study of residential integrated townships
 Understanding planning of integrated residential township
 Understanding services of residential township
8. Outcome: Case study sheets of Residential townships



9. Photographs :





5.8 Various workshops organised by IDEAS in academic session 2018-19.

5.8.1 Awareness Program on Intellectual Property Rights 13 April 2019

Coordinated by - Prof. Harshal Ganorkar

- | | |
|------------------------------------|--|
| 1 Year/Semester | For faculties |
| 2 Subject | IPR |
| 3 Date: | 13 /04/2019 |
| 4 Duration: | Half Day |
| 5 Number of Students: | 15 |
| 6 Schedule of the workshop: | 11:00 am to 2:00 pm Awareness on Intellectual Property Rights |
| 7 Objectives: | To enhance knowledge of intellectual Property rights Patent filing |
| 8 Outcome: | New Faculty were taught to about intellectual Property rights |

9 Photographs:



Principal
IDEAS
Institute of Design Education &
Architectural Studies, Nagpur

CHAPTER – 6

EXTRACURRICULAR ACTIVITIES AT IDEAS

6.1 Blessing Ceremony (Convocation Day)

The convocation day is celebrated in our college by students for the last graduated batch (Batch 2012- 13). The ceremony is to felicitate all the graduated students from Ideas congratulating them for their future and encourage them to serve the society by taking professional oath. The ceremony was conducted on 6th July, which take place at college campus by welcoming all the students by there juniors, gathering in the auditorium the event started with lighting of Diyas by the Chief guest Ar. Kavita Rao, followed by Degree certificates distribution, Professional Oath taking ceremony and Photo session.



The students and parents shared their experience during there academic session of five years, Parents shared the transformation of there children through these five years.

6.2 Independence Day

The Independence Day is celebrated every year by student council on 15th August in college campus. The event started with the flag hosting ceremony by the Hon. Shree Umakantji Jattewar, in presence of our Principal Prof. Abhay Purohit, HOD Prof. Milind Gujarkar with all the teaching and non-teaching staff members of ideas and students of all years. After the flag hosting ceremony followed by national anthem, students performed cultural programs to show patriotism and sense of respect for nation through dance performance on patriotic songs and singing.



6.3 Vertical Design Studio

Ido- Ideas Design Opportunity 2018

Convener: Prof. Milind Gujarkar

Overview

Vertical Design Studio - a creative initiative where vertical interaction among students of all years was envisaged. It was platform for learning between peers for more enriching experience. A weeklong event in which each one of Ideas participate on the same platform and has an equal opportunity to

express, participate and execute. The meeting was conducted by HOD Prof. Milind Gujarkar with all the faculty members Design verticals in charge allotted to finalize the design theme and brief was prepared of each design vertical.

Competition carried out between the four groups. Students divided in vertical groups each group having students of all years. Faculties acted as consultants. Each group participated in four trophies with guidance of experts from the respective fields. All students from 1st year to Final year divide themselves in four groups where Final year students acts as team leaders in each competition each and every student has its own role to play in the competition.

The four Design verticals were:

- I. Cultural: Enliven the vanishing Glory (Folk Art from Vidharbha)
- II. Social: The Urban Experience – People, Place and Space
- III. Technical: Ride in style: Design a head gear
- IV. Music: Understanding Connect Between Music & Landscape

I. Cultural: Enliven the vanishing glory..... A folk performance

The Folk theatre having roots in native culture is embedded in local identity and social values. An attempt was to explore the diminishing traditional performing art form of Vidarbha region. Students created expressions of own collective analysis for their immediate context. Revival of the folk performance in today's context was carried out through different themes.

Folk Themes: Khadi Gammat, Daika, Dandaar and Gondhal

Appreciate the contribution of Mr. Charudatt Bhagwat Actor, director, in making students to understand the finer points of dramatics. Mr. Yadavraoji Khanorkar and Mr. Bhivgade of Vidarbha Shahir Kalakar Parishad for organizing Live performances of total 40 artist from hinterland of Vidarbha in IDEAS campus- to have a feel to various vernacular instruments, understand the spirit of the art form and interact with the artists. Miraki experimental drama group for a 4 days' work in close coordination of faculty and at production and direction. Group leaders Sanjana Kinariwala, Smirti Sawane, Radhika Hada & Amay Zade, who generated social narratives in today's context on the folk themes. Mr. Charudatta Bhagvat & Mr. Sanjay Bhakare was the juror for the event.

Trophy in charge Prof. Komal Thakur.



II. Social: The Urban Experiences.....People, Place and Space

A collective story telling through illustration. A day in a life of Nagpur. Neelabh Banerjee Neelabh Toons conducted a workshop for empowering our students to be able to do this terrific task and come up with a time bounded outcome. Students enjoyed the new way of communication and presentation of thoughts and ideas through this playful medium. Terrific outcome in a very short span of a week by

our students at IDEAS. Appreciate efforts by all the students across semesters under the leadership of Apurva Deshmukh, MinalSarda, Vedesh Gokhale, Ria Mohta. Anand Wadwekar, Nivedita Fadanvis provided valuable comments as a jury.

Trophy in charge: Prof. Harshwardhan Nagpure.

III. Music: Understanding Connect Between Music & Landscape



A study based on the way to look at music as an instrumental tool to decode, generate an abstract from it which in turn forms the basis of landscape design. Understanding Music and Landscape as a tool of expression, establishing the relation between music and landscape was the focus of this trophy. Guiding presentation by Ar. Ravi Nafde “Indian Examples Of Decoded Music In Art Forms” An out of box interaction with Ar. Dushyant Prakash “ Study, Translation and Association of Music with Spatial Design “A live demo to students “Music as an Inspiration for Painting” by Mr. Nana Misal. Mr. Milind Limbekar for his inspiring presentation and guiding students and evaluating them. A genuine class attempt by students with group leaders, Kartik Argrawal, Priya Patole, Pooja Gaurkar, ShraddaRathi, Prachi Kothari and their team, great outcome.

Trophy in charge: Prof. Ketan S. Kimmatkar.

IV. Technology: Ride in Style.....Design a protective riding head gear

In a developing country like India where two wheelers are one of the major modes of commuting, even after compulsion by law, and knowing that it saves life, majority people avoid wearing these protective head. This design gap become the brief to address this issue. Thus, study of user profile and coming out with real innovative options. It was really a commendable for students to come out foam models, clay models, POP molds and casting of



final shell in FRP, with a highly finished prototype of helmets. Guest lecture by Mr. Sharad Dahake,

for guiding students and making them understand how finished prototype could be made. Appreciate the inputs from mold maker, Abhijeet, Painter Manoj, who helped finish the final product. The efforts of group leader, Ankit Tupkar, Aaishwarya Gawande, Abhiroop S, and Aanand Jibhakate was terrific. Mr. Subhodh More was the juror of the event. Being part of such unusual experiment was an enriching and lifetime experience for all the students and faculties of ideas. A platform for all to learn and explore their creativity in varied area, an Opportunity in real sense.

6.4 IDEAS's *FIESTA*(Cultural Fest) 2018

Fiesta is an attempt to bring about positive change through interaction between students' vis-a-vis active participation and social gathering. The goal of this event is to bring out the best in one's overall development in terms of personality and morals. The event is performed by students by creating 4 teams continued from I-do competition. The event is conducted in college campus which takes place for 3 days. Where at day time the sports activity is performed as per schedule prepared by student council, and at evening cultural programs are conducted.

6.4.1 Sports Activity

Student council takes the initiative to conduct various indoor & outdoor sports activities in college campus. The council prepares the schedule of the sports, while the 4 teams created for annual competition participates in the sports, each team organizes at least one sport. Where the organizing team arranges and finalizes the rules and referee/umpire for the game. Sports competition conducted in college are Cricket, Volley ball, Kho-Kho, Football and Kabaddi with these outdoor sports some indoor sports are also conducted like Chess, Table tennis (Singles/Doubles), Badminton.



1. Cricket



2. Kho-Kho

3. Badminton



4. Chess



6.4.2 Cultural Performance

Concept-S (Student Council) organizes various cultural performance in college campus, where cultural activities like singing, dance performance, skits are performed by students. While the fashion show competition is conducted where all the 4 teams choose their own theme and based on that theme the fashion show is performed. The best concept and performance of fashion show connecting chosen theme decidesthe winner. Freshers and farewell are also celebrated in these 3 days, when welcoming of first year students is celebrated by encouraging their new talent through various activities and performance. While farewell is given to the final year batch by felicitating them with small mementos designed by there juniors, and wishing them luck for their future by cake cutting ceremony. While Mr. & Ms. Freshers and Mr. & Ms. Farewell are selected and awarded for their appearance and performance on the stage.



Fashion Show



Dance Performance



Freshers



Prize Distribution

6.5 Republic Day

The Republic Day is celebrated every year by student council on 26th January in college campus. The event started with the flag hosting ceremony by the Hon. Shree UmakantjiJattewar, in presence of our Principal Prof. Abhay Purohit, HOD Prof. Milind Gujarkar with all the teaching and non-teaching staff members of ideas and students of all years. After the flag hosting ceremony followed by national anthem, students performed cultural programs to show patriotism and sense of respect for nation through dance performance on patriotic songs and singing.



6.6 SPIC-McCay- A classical event by singing maestro Smt.Kalapini Komakali

The student's council coordinates with the SPIC-macay committee to organize different cultural music performance by well known artist in the college premises to develop their mental and creative abilities through classical music. It also provides knowledge about Indian classical music. On 9th March the famous personality in classical singing Smt.Kalapini Komakali performance was organized in college auditorium. While performing the classical singing Smt. Kalapini Komakali also explained the use of different elements in classical music relating it with other arts and design. Students enjoyed the performance.



CHAPTER – 7

VALUE ADDITION AND OTHER INITIATIVES AT IDEAS

7.1. WORKSHOP - BASICS OF SAVINGS AND INVESTMENT OPTIONS BY SEBI

Co-ordinated by : Prof. Ajay Thomare

Date – 24 Feb 2018

Duration – 2 Hrs

Number of Faculty - 32

Participated

Venue – Auditorium

Objectives – To introduce various investment and financial options in market

Description – The workshop was organized to introduce faculties about various smart investing options available to investing like Mutual fund, etc. by experts from SEBI. The interactive session was attended by 32 faculty members .



Photograph - Prof. Ajay Thomare introducing IDEAS faculty with speakers from SEBI- 24/2/18.

7.2. WORKSHOP - ZERO GARBAGE KITCHEN WASTE AS FOCUS BY 'SAAD'

Co-ordinated by : Prof. Ajay Thomare

Date – 28 July 2018

Duration – 2 Hrs

Number of Faculty - 37

Participated

Venue – Auditorium

Objectives – To introduce facets of daily well being

Description – The interactive workshop was organized rendering faculties about easy and safe Kitchen waste disposal .The interactive session was attended by 32 faculty members. This was conducted by experts from NGO 'SAAD'

Photograph

–



Prof. Ajay Thomare introducing members from SAAD – 28/7/18

7. 3. WORKSHOP – TYPES OF INSURANCES

Co-ordinated by : Prof. Ajay Thomare

Date – 8 Sep 2018

Duration – 2 Hrs

Number of Faculty - 24
Participated

Venue – Auditorium

Objectives – To introduce basics of insurance

Description – The interactive workshop was organized to introduce basics of insurance and available schemes .The interactive session was attended by 24 faculty members. This was conducted by experts from ICICI prudential.

Photograph:



Mr. Vinod Khanna sharing his thoughts on importance of insurance- 8/9/18

7.4. ORIENTATION PROGRAM – EDUCATION FOR CONTEMPORARY LEARNER

Date – 27 Aug 2018

Duration – 1 Day

**Number of Faculty - 38
Participated**

Venue – Library and Auditorium

Objectives – To introduce creative ways of teaching and learning



Education for the Contemporary Learner

Orientation for teachers and students on ways of teaching and learning

Mon, 27th Aug '18
VENUE — Auditorium

* Things
to
bring:
Pen &
Notepad

Interaction with
All Students - 11:30am to 12:30am
Design Coordinators - 1:30pm to 3pm
All Faculty - 3:30pm to 4:30pm

Soumitri Varadarajan is Associate Professor, Industrial Design Program, RMIT University. He has been on the **founding team of Masters programs** (India and Australia), two **Schools of Design** (Delhi University and Ambedkar University/ School of Design) and **Architecture** (TVB School of Habitat Studies, New Delhi), **written their curriculum and been part of the leadership team** in the inception of the program.

One masters program celebrates 25 years since its founding (M. Des., SPA). He has served on an **advisory** capacity with design schools in New Zealand, India and China. He is a **Guest Professor** at a university in China (Foshan University, PRC). He has taught design studios, and short courses in universities France, China, Israel, and India, and **served on panels** in Netherlands, Turkey, and Portugal. **He has worked in corporate design studios** in Japan, India and Australia.



- His graduates are in leadership positions in Industry.
 - He teaches on **aesthetics** amongst various subjects.
 - He is passionate about **Learner Centered Education**.
 - He has been an early member of the **Dead Teachers Society** (since 1994).
 - He has been the recipient of **two awards** for learning and teaching.
 - He has conducted workshops for **teachers to train** them in learner centered education.
- He has published articles and books focused upon **studio education** and upon the **teaching of technology and computer skills**.

**Soumitri
Varadarajan**

Faculty,
Royal Melbourne
Institute of Technology,
Australia

Flipped Classroom
Students as Teachers
Teachers as Partners
Self Assessment
Feedback

Photograph



Prof. Saumitri V guiding Design Mentors on ways of Teaching Learning



Prof. Saumitri V interaction with IDEAS faculty on teaching learning methods-27/8/18

7.5. ORIENTATION PROGRAM – PEDAGOGY OF STRUCTURES IN ARCHITECTURE

Date – 19-7-2019

Duration – 3 Hrs

**Number of Faculty - 35
Participated**

Venue – Auditorium

Objectives – To introduce pedagogy of structures in Architecture by means of creative experimentations

Photographs -

गुरु बीर्यम् कुरुष्वामि

Swargiya Jagannath Jattewar Shikshan Sanstha's
INSTITUTE OF DESIGN EDUCATION
AND ARCHITECTURAL STUDIES

**Architecture &
Engineering**

presentation by
Vinod R. Shah

Topic :
Ways of seeing structure
in architecture.
(for students)
Pedagogy of structures
in architecture.
(for teachers)

Date : 19 July 2019' Friday
Time : 10am-12noon
(for students 5th & 7th sem)
1pm - 4pm
(for teachers)
Venue : IDEAS Auditorium

Vinod Shah graduated in structural engineering in the year 1987. He possesses 6 yearlong on-site experience, and a 33-year long experience as a faculty member at CEPT University. Currently he is the Managing Director of 'Vinod Shah Consulting Engineers Pvt. Ltd.' He is a teacher training in-charge at National Resource Institute. He is also a member of board of studies for Schools of Architecture in Gujarat.



Prof. V R
Shah
sharing his experience - Structures in Architecture – 19/7/18

7.6. ORIENTATION PROGRAM – CLIMATE RESPONSIVE ARCHITECTURE

Co-ordinated by : Prof. Komal Thakur

Date – 9 April 2019

Duration – 2 Hrs

**Number of Faculty - 21
Participated**

Venue – Auditorium

Description – The presentation and interactive session focused on approach towards climate responsive architecture and ecological awareness. The interactive session was attended by 21 faculty members. This was conducted by Architect Chitra Vishwanath, Bangalore.

Photograph –



Ar. Chitra Vishwanath in an interaction session with IDEAS faculty- 9/4/19

7.7. WORKSHOP – AN INSIGHT INTO BAMBOO CONSTRUCTION

Co-ordinated by : Prof. Ajay Thomare

Date – 20 June 2018

Duration – 1 Day

Number of Faculty – 6 (along with invitees)
Participated

Venue – Auditorium

Description – The session focused on various construction techniques with bamboo. It was conducted
by Sanjeev Karpe.

Photograph –



Mr. Sanjeev Karpe guiding delegates on Bamboo construction techniques- 20/6/18

7.8. TRAINING PROGRAM – Approach to NAAC accreditation

Co-ordinated by : Prof. Veepa Jariwala

Date – 20 Feb 2018

Duration – 2 Hrs

Number of Faculty – 23
Participated

Venue – AV room

Description – To understand the procedure for NAAC accreditation. The session was conducted by Prof. Veepa Jariwala.

Photograph –



Prof. Veepa Jariwala interacting with IDEAS faculty members on NAAC accreditation-
20/2/18

7.9. TRAINING PROGRAM – Course outcomes and Program outcomes - NAAC

Co-ordinated by : Prof. Veepa Jariwala

Date – 22 Aug 2019

Duration – 2 Hrs

Number of Faculty – 15

Participated

Venue – AV room

Description – To understand the procedure for formulating course outcomes and program outcomes.

The session was conducted by Prof. Jajoo from GHRCE.

Photograph –



Prof. Jajoo guiding IDEAS faculty members on Cos and Pos – 22/8/19

7.10. TRAINING PROGRAM – COMPOSTING TECHNIQUES - FOR NON TEACHING STAFF

Co-ordinated by : Prof. Ajay Thomare

Date – June 2018

Duration – 3 Days (Distributed in intervals within 1 month span)

Number of Faculty – 1 Teaching and 3 non teaching
Participated

Venue – Construction Yard , canteen backyard

Description – Non teaching staff was trained and oriented to safely collect , segregate bio-degradable waste from canteen and convert it into compost over a period of time to be later used for landscaped areas.

Photograph –



Prof. Ajay Thomare guiding non teaching staff for composting techniques – 8/7/18

CHAPTER – 8

COMMUNITY EXTENSION PROJECTS DONE BY IDEAS



8.1 IDEAS works extensively to engage with the local community to increase awareness and appreciation of architectural work and heritage. As a institute of architecture in Nagpur it strives to make people aware of the often misunderstood and overlooked profession by organizing exhibitions and interacting with the community. It also promotes better dialogue between architects and craftsmen by organizing demonstrations and workshops.

The institute is at the forefront of preserving valuable architectural and cultural heritage in the region. Students spend on an average of two weeks every semester studying, documenting and understanding ancient monuments that have otherwise been overlooked. They interact with the local community and present their work in the form of drawings, talks or plays so that people are made aware of the true value of the buildings that surround them and the culture that is preserved within them.





Students of IDEAS in a skit performance in a village emphasizing local and community hygiene



Works of village study assignment at IDEAS displayed in village and villagers keenly look upon.

8.2 Community Extension activities assignments exhibition and book launches:

The institute believes in knowledge sharing with the local community. The studies carried out by the college are exhibited for the general public every semester. This promotes an understanding of architecture as a profession. Books on urban and rural studies have been launched for the general public. Thus the knowledge gathered by the students during their course is transferred to the community.



The **Rural Design Studies** – A Village Community Extension Project by IDEAS publication 2018



Visitors to the exhibition reviewing the work

8.3 Heritage Walks and activities / assignments organised by IDEAS:

The institute collaborates with Studio Sakha to organize ‘The Nagpur Tales’ a series of heritage walks in the city. These establish a platform of conducting a ‘dialogue’ among the student and professional participants, the local residents, heritage property owners, invited scholars, professionals and academicians. It narrates the glorious history of the city and also discusses the present conditions, building a study which can be seen as a base for futuristic developments for these heritage cores of Nagpur.



Sample Poster of Various Heritage Walks Organised by Ideas



Sample Poster of Various Heritage Walks Organised by Ideas

8.4 Engaging with local artisans and craftsman for various activities at IDEAS:

The institute encourages dialogue between students and craftsman to promote deeper understanding of materials and techniques. Various workshops are organized with local craftsman. These one-to-one conversations build trust and mutual respect between the designer and the executer. They are also a source for knowledge sharing.



Students understanding the techniques of various forms of clay art.



Students gaining skills in handling bamboo

Working together execute a design

8.5 Redevelopment Projects

The institute has always been conscious of its responsibility to the community. Over the years it has contributed expertise, time and finance towards various redevelopment projects to improve the lives of the local community within the city of Nagpur as well as surrounding rural areas.



Phase I . On site working out Strategies for Redevelopment.



Phase II. Preparing ground for execution



Phase III. Execution is progress



Phase IV. Project Executed !!