



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

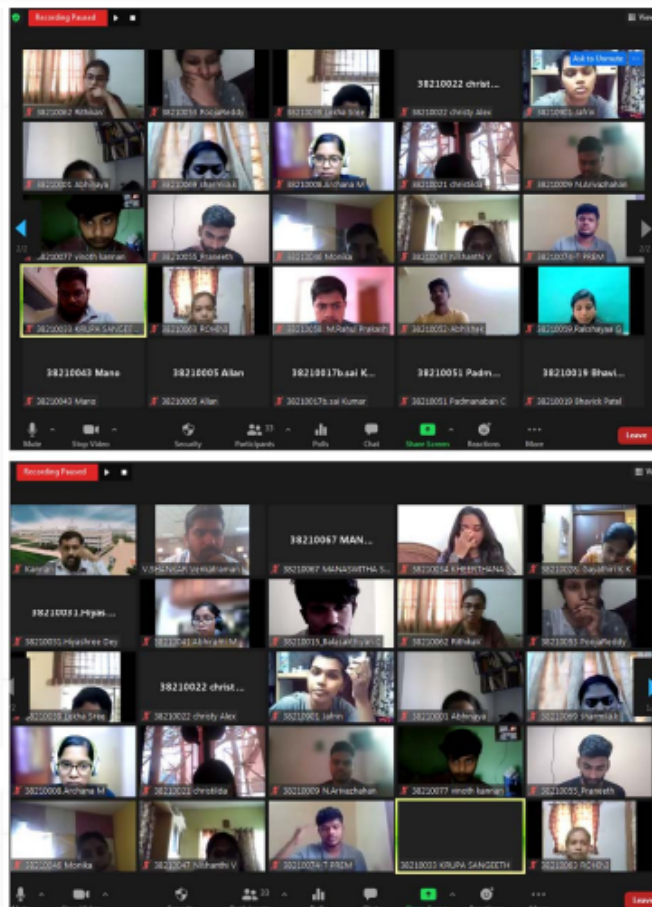
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Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

SEED, A STUDENT BODY ORGANIZATION
(By | To | For the students)
Sathyabama Institute of Science and Technology,
Chennai 600 119, Tamil Nadu, India
www.seedsto.com

Aug 15, 2021



As part of SEED, student body organization – a workshop on Architectural Software's was conducted for II and III year B.Arch students. Hands on training are given in AutoCAD software for a sample drawing and also their semester Design project to complete the Architectural design drawing for Continuous Assessment Reviews. Sketch up software training are given to develop 3 dimension of the students semester design. The training session helped the students to work well in their semester design project.



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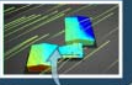
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4-Week Online Certificate Workshop on Climate Responsive Design Strategies


CHIEF PATRONS
The institution has attained greater heights under the guidance of:-
Colonel Dr. Jeppiaar, M.A., B.L., Ph.D.,
Founder Chancellor

and dynamic leadership of:
Dr. Mariazeena Johnson, B.E., M.B.A., M.Phil., Ph.D.,
Chancellor
Dr. Marie Johnson, B.E., M.B.A., M.Phil., Ph.D.,
President
Ms. Maria Bernadette Tamilarasi Johnson,
Vice President

PATRONS
Dr. T Sasipraba, M.E., Ph.D.
Vice Chancellor

Convenor:
Dr. Devyani Gangopadhyay, M.Arch, Ph.D.
Dean & HOD, Dept. of Architecture

Co Convenor:
Ar. Ebin Harrison, M.Arch

Workshop Coordinators:
Ar. Catherine, M.Arch
Ar. Shobana, M.Arch

WEEK SCHEDULE:
WEEK 1: CLIMATE ANALYSIS
Climate Consultant Software

WEEK 2: SOLAR ANALYSIS
Climate Consultant & Andrew Marsh

WEEK 3: DAYLIGHTING ANALYSIS
VELUX

WEEK 4: VENTILATION
Climate Consultant & Flow Design

CRDE | 18th AUGUST - 9th SEPTEMBER, 2021 |
A 4-Week Online Certificate Workshop on: CLIMATE RESPONSIVE DESIGN STRATEGIES

TIME: 5:00 PM - 7:00 PM
Login Credentials will be Shared to Registered Participants
Registration Link: <https://forms.gle/unJuuEymTy32bqbt8>

WHO SHOULD PARTICIPATE?
III, IV & V year Students of Architecture Limited to only 20 Participants

PREREQUISITE: Basic knowledge on Climatology, SketchUp Software
Registration Free | E Certificate will be issued

CLIMATE ANALYSIS | SOLAR ANALYSIS | DAYLIGHTING ANALYSIS | VENTILATION

Visit us online: www.sathyabama.ac.in For any queries call us at: +919884066091 Email us at: climateresponsivedesign2021@gmail.com



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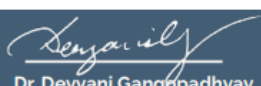
A 4-week online workshop on:
CLIMATE RESPONSIVE DESIGN STRATEGIES
Organized by:
Department of Architecture, Sathyabama Institute Of Science And Technology

CERTIFICATE

This is to certify that

Allen Anil Varghese

has participated and successfully completed the 4-week online workshop on "CLIMATE RESPONSIVE DESIGN STRATEGIES" from 18.08.2021 to 09.09.2021 organized by Department of Architecture, SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY, Chennai.



Dr. Devyani Gangopadhyay,
Dean & HOD,
Dept. of Architecture



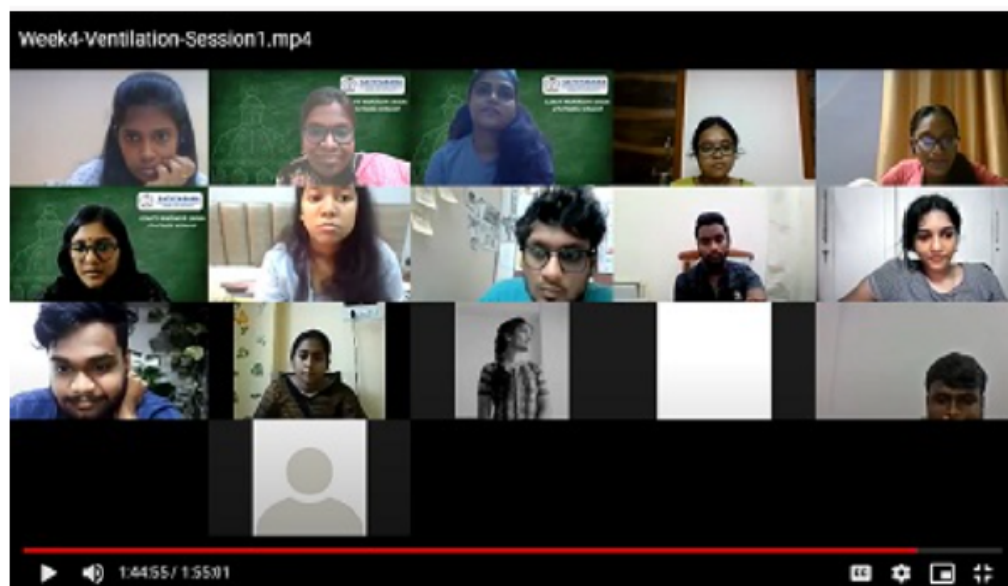


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SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY SCHOOL OF BUILDING & ENVIRONMENT DEPARTMENT OF ARCHITECTURE CRDE Workshop Participants Details					
Poster to be Updated		Add Swetha Sethuraman & Kamali			
Whatapp group to be formed on 14th August		Students yet to be Added			
Aug 18th & 19th	Climate Analysis	5:00 pm-7:00 pm			
Activity List	Incharge				
1 Introduction	Ar Madhumitha	Introduction-about the programme, thanking the management & department,			
2 Inauguration	Dean Mam				
3 Session 1	Ar Surya	Software link for Climate Consultant -to be given to the students. What are the other materials required for the session/any print outs to be taken for the session	Quiz 1 to be floated immediately after the Session 1 - at 7.30 pm to 8.00 pm ,Availability of Quiz time to be set in google forms	Assignment 1- The Students can be divided into 5 groups - the EPW file for 5 Climates to be given to each - and based on the content the Assignment can be Given	User Id: writetorun.sk@gmail.com, Password: Bdes2021/Meeting Id: 86822312448 & Passcode: 12345 to be shared /Meeting to be recorded. Session incharge Kindly login the platform at 4.45pm & Allow students only at 5pm. Kindly use B.des 2nd year recurring meeting
Session 2	Ar Kavitha Ar Swetha Sethuraman		Quiz 2 to be floated immediately after the Session 1 - at 7.30 pm to 8.00 pm, Availability of Quiz time to be set in google forms		
4 Participants	28 participants	Login credentials to be shared (B.Des Meeting id & passcode to be Shared)			
5	Week 1 Assignment to be Submitted on or before 23rd August				
Aug 25th & 26th	Solar Analysis	5:00 pm-7:00 pm			
1 Introduction	Ar Sanghavi	Intro about the session	Quiz 1 to be floated immediately after the Session 1 - at 7.30 pm to 8.00 pm ,Availability of Quiz time to be set in google forms	Assignment 2 - The Students can be divided into 5 groups - the EPW file for 5 Climates to be given to each - and based on the content the Assignment can be Given	User Id: writetorun.sk@gmail.com, Password: Bdes2021/Meeting Id: 86822312448 & Passcode: 12345 to be shared /Meeting to be recorded. Session incharge Kindly login the platform at 4.45pm & Allow students only at 5pm. Kindly use B.des 2nd year recurring meeting
2 Session 1		Software link for Formit -to be given to the students. What are the other materials required for the session/any print outs to be taken for the session	Quiz 2 to be floated immediately after the Session 1 - at 7.30 pm to 8.00 pm, Availability of Quiz time to be set in google forms		
Session 2	Ar Seetha				
3 Participants	28 participants	Login credentials to be shared (B.Des Meeting id & passcode to be Shared)			
4	Week 2 Assignment to be Submitted on or before 30th August				



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Sept 01st & 02nd		Lighting Analysis	5:00 pm-7:00 pm			
1	Introduction	Ar Shobana	small intro about the session	Quiz 1 to be floated immediately after the Session I - at 7.30 pm to 8.00 pm ,Availability of Quiz time to be set in google forms	Assignment 3 - The Students can be divided into 5 groups - the EPW file for 5 Climates to be given to each and based on the content the Assignment can be Given	User Id:writetorun.sk@gmail.com, Password: Bdes2021/Meeting id: 86822312448 & Passcode:12345 to be shared /Meeting to be recorded.Session incharge Kindly login the platform at 4.45pm & Allow students only at 5pm.Kindly use B.des 2nd year recurring meeting
2	Session 1	Ar Kamali Solraj	Software link for Vilux -to be given to the students.What are the other materials required for the session	Quiz 2 to be floated immediately after the Session I - at 7.30 pm to 8.00 pm,Availability of Quiz time to be set in google forms		
	Session 2					
		Ar Selvapriyadarshan				
3	Participants	28 participants	Login credentials to be shared (B.Des Meeting id & passcode to be Shared)			
Week 3 Assignment to be Submitted on or before 06th September						
Sept 08th & 09th		Wind Analysis	5:00 pm-7:00 pm			
1	Introduction	Ar Madhumitha	Intro about the session	Quiz 1 to be floated immediately after the Session I - at 7.30 pm to 8.00 pm ,Availability of Quiz time to be set in google forms	Assignment 4 - The Students can be divided into 5 groups - the EPW file for 5 Climates to be given to each and based on the content the Assignment can be Given	User Id:writetorun.sk@gmail.com, Password: Bdes2021/Meeting id: 86822312448 & Passcode:12345 to be shared /Meeting to be recorded.Session incharge Kindly login the platform at 4.45pm & Allow students only at 5pm.Kindly use B.des 2nd year recurring meeting
2	Session 1	Ar Madhumitha	Software link for Flow design -to be given to the students.What are the other materials required for the session	Quiz 2 to be floated immediately after the Session I - at 7.30 pm to 8.00 pm,Availability of Quiz time to be set in google forms		
	Session 2	Ar Catherine				
		Ar Clintia Karen				
3	Participants	28 participants	Login credentials to be shared (B.Des Meeting id & passcode to be Shared)			
Week 3 Assignment to be Submitted on or before 13 th September						
5	Feedback	Students				
Certificates will be given to Students -after successful completion of workshop (submission of Quiz,Submission of Assignment on time ,Attendance)						
7	Valedictory	Ar Catherine/ Ar Shobana				

SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY							Week 1		Week 2		Week 3		Week 4	
SCHOOL OF BUILDING & ENVIRONMENT														
DEPARTMENT OF ARCHITECTURE														
CRDE Wokshop Participants Details														
	Participa nts ID					Mobile Number	Climate Analysis		Solar Analysis		Lighting Analysis		Wind Analysis	
S.NO	No	Name of the Participant	Year		Email ID		18th Aug	19th Aug	25th Aug	26th Aug	1st Sept	2nd Sept	8th Sept	9th Sept
1	CRD01	Allen	5th		allenani2000@gmail.com	9526856044	P	P	P	P	P	P	P	P
2	CRD02	Anagha Treesa Francis	4th		anaghatreessafrancis@gmail.com	9444554634	P	P	Ab	P	P	P	P	Ab
3	CRD03	Aparna	3rd		av95247600@gmail.com	8825696854	P	P	P	P	P	P	P	P
4	CRD04	Archana	4th		archana4m2@gmail.com	6369148250	P	P	P	P	P	P	P	P
5	CRD05	A Ashwin	3rd		ashwinraghul2001@gmail.com	6380885511	Ab	P	Ab	P	P	P	Ab	Ab
6	CRD07	Divya R	4th		divyabhuvana.2000@gmail.com	9500088458	P	P	P	P	P	P	Ab	P
7	CRD08	Gayathiri K. K	4th		gayathirilakshmi22@gmail.com	9790719590	P	P	P	P	Ab	P	P	P
8	CRD09	Hariharan B	4th		harishnov28@gmail.com	9840630004	P	P	P	P	P	P	P	P
9	CRD10	Keerthana Saji	3rd		Keerthanasaji18@gmail.com	8281101444	P	P	Ab	P	Ab	Ab	P	Ab
10	CRD11	Lekha Sree	4th		lekhasree21082000@gmail.com	9963543284/ 9962543284	P	P	Ab	P	P	P	P	P
11	CRD13	Pooja Reddy	4th		paposara26@gmail.com	8056228502	P	P	P	P	P	Ab	P	P
12	CRD16	Rithika V	4th		rithika_v001@gmail.com	8778650510	P	P	P	P	P	P	P	P
13	CRD18	Sai Teja. T.N	5th		satejatn@gmail.com	9840310789	P	P	P	Ab	P	P	P	P
14	CRD19	sai vineela	4th		saivineela710@gmail.com	9381322663	P	P	P	P	Ab	Ab	P	P
15	CRD21	Sanjeev Sivakumar	5th		sanjeev.arc17@gmail.com	9789809674	P	P	P	P	Ab	Ab	P	P
16	CRD23	Shanmathi R	4th		Shanukrishnan0403@gmail.com	9790606276	P	P	P	P	Ab	P	P	P
17	CRD24	Sivaraman K	4th		sivaleo2000@gmail.com	9791250686	P	P	P	P	Ab	Ab	P	P
18	CRD25	Snegha S	4th		snegha00@gmail.com	9566245220	P	P	P	P	P	P	P	P
19	CRD26	Subhashree T	5th		subha10699@gmail.com	7904985692	P	P	P	P	P	P	P	P
20	CRD27	Surya shree	5th		mshree5@gmail.com	7010646276	P	P	P	P	P	P	P	P
21	CRD28	Vivin Merola S	3rd		merola7121@gmail.com	9840613428	P	P	P	P	P	P	P	P
22	CRD12	Mithun M	4th		mithusmaint09@gmail.com	9150218074	P	Ab	Ab	Ab	P	Ab	Ab	Ab
23	CRD14	Pranav	3rd		pranavaidya254@gmail.com	9551055922	P	Ab	P	Ab	P	Ab	Ab	Ab
24	CRD15	Ratesh	5th		jonnalagaddarajesh59@gmail.com	7358599183/9	Ab	Ab	P	P	Ab	Ab	Ab	Ab



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Climate Responsive Design Workshop (CRDE)

Academic Year - 2021 – 2022

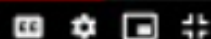
This event was coordinated by Ar. Catherine Selvaraj and Ar.Shobana Subramanian, Faculty of Department of Architecture .The workshop was conducted on 18th August-09th September 2021 –A 4 week online workshop for the student of Architecture. This event was conducted in online zoom platform and the participants were limited to 30 for more interactions and hands on.

The workshop was planned for 3rd year and 4th year B.Arch students .The Workshop was organized for 4 weeks , with the 1st week thrust on Climate consultant software and few manual calculations for shading device; followed by the 2nd week ,focus on Solar Analysis , with the insight on Formit software ; the 3rd week emphasized on Day Lighting Analysis with insight on Light Stanza , and 4th week highlighted the importance of ventilation and how it can be quantified using flow design software. The intention of the workshop is to impart basic parameters of Climate and the use of software's and tools to design Climate responsive buildings. The workshop is mainly organized to give a comprehensive understanding of Solar Analysis, Day lighting Analysis and Wind Analysis through freeware climate software's and simple manual calculations. The students were given assignment for each of the topic, where they actively participated and learnt the software and submitted a capstone project at the end of the workshop .The Outcome of the workshop was reflected in their Class Design project and thesis

Week4-Ventilation-Session1.mp4



1:44:55 / 1:55:01





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REPORT ON VALUE ADDED COURSE CONDUCTED IN THE

DEPARTMENT OF ARCHITECTURE

- a. NAME OF THE PROGRAM:** Project Management and Practice in Architectural Consultancy (ONLINE)
- b. AIM:** The program was designed by our architecture department to enrich the knowledge of architecture students going for the internship training in architectural office. Also to create awareness of how project management activities are involved in project development and execution activities.
- c. OBJECTIVE:** The various functions & phases of project related activities were covered to provide the insight of projects to students. This will create awareness to students about the activities involved in the project and effectively perform in the internship training. To give insight of the various architecture and project management functions happening in the office, we invited various practicing architects and project managers to deliver the presentation on various topics to the students.
- d. DURATION:** 2 weeks program
- e. TARGET AUDIENCE:** Current 3rd /4th & final year students
- f. NO OF PEOPLE ATTENDED:** 58 -72
- g. NO OF PEOPLE SUCCESSFULLY COMPLETED :** 32

h. TOPICS COVERED UNDER THE PROGRAM

WEEK 1: PRE DESIGN

- Identifying and finalize the client requirement for projects
- Arriving at the project budget to decide and start the project
- Process of conducting architectural competitions
- Selection of Architect & Consultant for the project

WEEK 2: PRE CONSTRUCTION

- Design development from concept till detailed design
- Approval drawings preparation and authority approval process
- Contract documents and drawing preparation



- Pre-qualification and bidding process for contract
- Negotiation of contract and the selection of contractors

WEEK 3: CONSTRUCTION

- How site construction organization works
- Construction management processes
- Working drawing preparation and change management
- Quality assurance
- Billing and change order processes

WEEK 4: CLOSE OUT

- Identification of defects in works and rectification process
- Make the constructed building function with the commissioning process
- Training the facility management team
- Preparation of as built drawings
- Closure of Project works

i. SCHEDULE OF THE PROGRAM

Project Management and Practice in Architectural Consultancy					
S.NO	TOPIC	HOURS	STAFF INCHARGE	TENTATIVE DATES	REMARK
PROGRAMME SCHEDULE					
PRE CONSTRUCTION STAGE					
	Pre design				
	Client Brief			3-Jan-22	Monday
	Project Budget	1	Ar. Surya		
	Architecture design competition			3-Jan-22	Monday
	Appointment of Architect / Consultant	1	Ar.Pranav Bharathi		
	Assignment to students	2			
	Design Phase				
	Scheme design			4-Jan-22	Tuesday
	Detailed design	1	Ar. Vijayendranath		
	Approval drawings			4-Jan-22	Tuesday
	Contract documents	1	Ar. Shankar		
	Assignment to students	2			
TENDERING & PROCUREMENT					
	Pre qualification	1	Ar.Rajkumar	5-Jan-22	Wednesday
	Bid documentation	1	Ar.Selvendran	5-Jan-22	Wednesday
	Assignment to students	2			
	Bid process / Negotitation	1		6-Jan-22	Thursday
	Contract Award	1	Ar. Prasanna	6-Jan-22	Thursday
	Assignment to students	2			
CONSTRUCTION					
	Site organisation	1		7-Jan-22	Friday
	Construction Management Process	1	Ar. Priyadharshini	7-Jan-22	Friday
	Assignment to students	2			
	Quality assurance (working drg / specifications)	1	Ar. Rameshkumar	10-Jan-22	Monday
	Billing Administration & Change order management	1	Ar. Rameshkumar	10-Jan-22	Monday
	Assignment to students	2			
CLOSE OUT					
	Training	1		11-Jan-22	Tuesday
	As built drawings	1	Ar. Sukirtha	11-Jan-22	Tuesday
	Punch list / Commissioning	1	Ar. Ram kumar	12-Jan-22	Wednesday
	Financial / Administrative close out	1	Ar. Rameshkumar	12-Jan-22	Wednesday
	Assignment to students	2			
TOTAL HOURS		30			



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j. POSTER OF THE PROGRAM

CHIEF PATRONS
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Chancellor
Dr. Marie Johnson, B.E., M.S.A., M.Phil., Ph.D.,
President
Ms. Maria Bernadette Tamilarasi Johnson,
Vice President
Mr. J. Arul Selvan,
Vice President

PATRONS
Dr. T Sasipraba, M.E., Ph.D.
Vice Chancellor

Convenor:
Dr. Devyani Gangopadhyay, M.Arch, Ph.D.
Dean & HOD, Dept. of Architecture

Co-Convenor:
Ar. Ebin Horison, M.Arch
Assoc. Professor, Dept. of Architecture

Workshop Coordinators:
Ar. Ramesh Kumar, M.Arch
Ar. Surya Rajkumar, M.Arch

PJMW | 3RD - 12TH JANUARY, 2022

A 2-Week Online Certificate Workshop on:
PROJECT MANAGEMENT AND PRACTICE IN ARCHITECTURAL CONSULTANCY

TIME: 02:00 PM - 04:00 PM
Login Credentials will be Shared to Registered Participants
Registration Link: <https://forms.gle/aHQaowXrLfJHb91a9>

WHO SHOULD PARTICIPATE?
IV & V YEAR STUDENTS OF ARCHITECTURE (Limited to 20 Participants)
PRE-REQUISITE- Basic knowledge of Excel, Autocad

Registration Free | E Certificate will be issued

PRE DESIGN | PRE CONSTRUCTION | CONSTRUCTION | POST CONSTRUCTION

WEEK SCHEDULE:

WEEK 1:
PRE DESIGN

- Identifying and finalize the client requirement for projects
- Arriving at the project budget to decide and start the project
- Process of conducting architectural competitions
- Selection of Architect & Consultant for the project

PRE CONSTRUCTION

- Design development from concept till detailed design
- Approval drawings preparation and authority approval process
- Contract documents and drawing preparation
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WEEK 2:
CONSTRUCTION

- How site construction organization works
- Construction management processes
- Working drawing preparation and change management
- Quality assurance
- Billing and change order processes

CLOSE OUT

- Identification of defects in works and rectification process
- Make the constructed building function with the commissioning process
- Training the facility management team
- Preparation of as built drawings
- Closure of Project works

Visit us online: www.sathyabama.ac.in

For any queries call us at: +919940068715

Email us at: pjmwworkshop2021@gmail.com



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K. SCREEN SHOTS OF THE SESSION

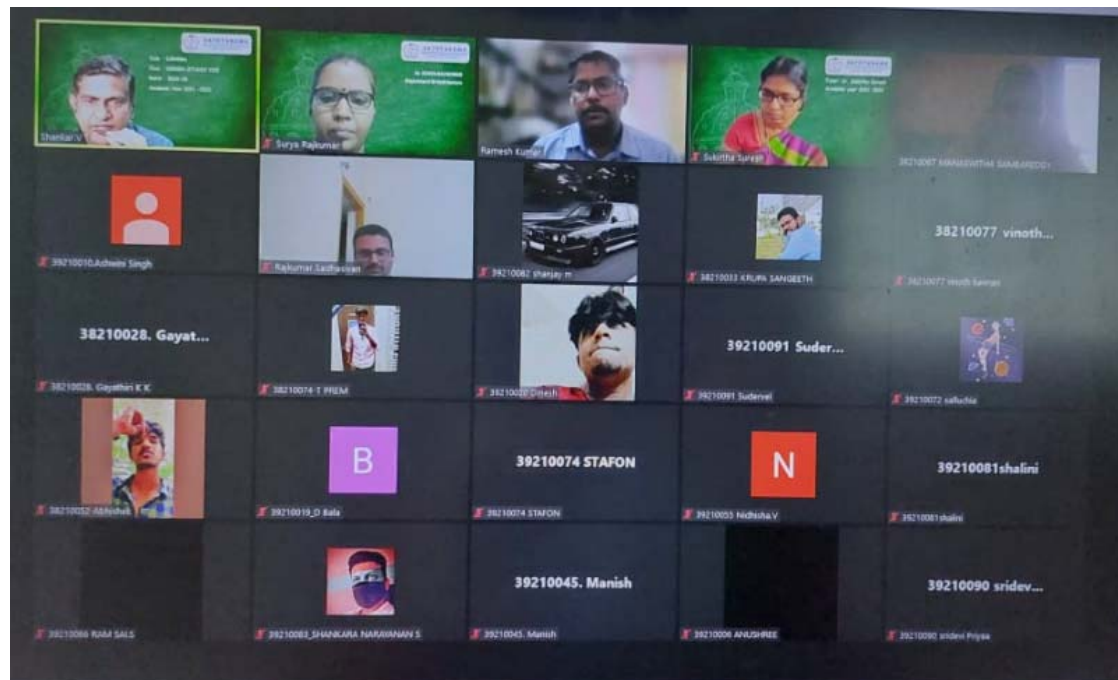
Project Life Cycle - Stages

As a consultant, the approach is to add value to our Clients throughout the project lifecycle aimed at improving the project value and efficiency

	Preparation		Design			Pre construction			Construction		Use
Work stages	Appraisal	Design Brief	Concept	Design Devpt.	Technical Design	Production Info	Tender Docs	Tender Action	Mobilise	Construct on	Post Practical Completion

Project Management and Practice in Architectural Consultancy

Bid Process and Contract Award





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I. SAMPLE CERTIFICATE ISSUED TO STUDENTS



m. CONCLUSION / FEEDBACK OF THE PROGRAM

The program was successfully completed on 12th January and the overall feedback received from the students was good. The students who attended the workshop were able to understand the overall life cycle phases of construction and that would help them understand the terms while they engage in the internship training.

The training program is planned to be continued if required during the next academic year for the development of skills for the students going for the internship program as a part of academic curriculum.

CERTIFICATE OF COMPLETION

*This is to certify that Mr./Ms. MOHAMED RIYASDEEN J has successfully
completed a Certification Course in AutoCAD
during the period 2021-2022*

Date: 05/06/2022

Veeramcheshwaran vs
Instructor

Vinayakam R K
Director

CERTIFICATE OF COMPLETION

*This is to certify that Mr./Ms. MOHAMED RIYASDEEN J has successfully
completed a Certification Course in Revit Architecture
during the period 2021-2022*

Date: 05/06/2022

Veeramcheshwaran vs
Instructor

Vinayakam R K
Director