



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF BUILDING AND ENVIRONMENT
DEPARTMENT OF ARCHITECTURE

in collaboration with



COUNCIL OF ARCHITECTURE
Training & Research Centre

Convened by
Prof. Jayashree Deshpande
Director, COA-TRC, Pune

Coordinated by
Ar. Ebin Horrison.S
Department of Architecture

Sathyabama Institute of Science and Technology

04th - 08th
MARCH 2019

VENUE : Student Activity Center

Department of Architecture
Sathyabama Institute of Science and Technology

LAST DATE FOR REGISTRATION
25 FEB 2019

URBAN CLIMATE AND BUILT ENVIRONMENT

TROPICAL CITIES are characterized by high temperatures, humidity and suffer extensively due to the urban heat island effect which affects the thermal comfort conditions.

The outcome of the programme will facilitate Urban planners, Architects and Decision makers in relooking at the regulations governing the urban street geometry, the thermal capacity of materials, ground cover, and orientation. It will also serve as an eye-opener in understanding the factors that influence thermal comfort in indoor environment.

REGISTRATION PROCESS

Colleges who have registered with Council of Architecture under the Collaborative Training Program for the year 2018 - 19 by payment of training fees in advance, proportionate to their average intake, can nominate teachers to participate in this Program. The nominated teachers can register for this Program by filling up the attached google form and mailing back a scanned image of the application form duly authenticated by HOD/Principal on directorcoatr@gmail.com, ttptcoatr.pune@gmail.com and e_horrison@yahoo.com

Only in case nominated teachers registered for this Program require provision of accommodation, the facility of accommodation on sharing basis, breakfast and dinner for five days can be availed of by payment of Rs. 5,000/- per head by online payment/ bank challan and mailing back scanned images of the proof of payment together with application form duly authenticated by HOD/Principal on directorcoatr@gmail.com, ttptcoatr.pune@gmail.com and e_horrison@yahoo.com

OR

Teachers/architects other than those nominated by schools of architecture, desirous of participating in this training Program, may register by filling up the attached google form and mailing it back along with a scanned image of receipt of online payment/bank challan towards registration fees on directorcoatr@gmail.com, ttptcoatr.pune@gmail.com and e_horrison@yahoo.com

OBJECTIVE

TO understand the impact of urbanization on climate elements In determining the thermal comfort of both indoor and outdoor urban environments.

Urban heat Island Studies
Landscape and Building Envelope
Urban Mapping and GIS
Sustainability Solutions
Green projects in the city
Alternate Building materials and techniques
Indoor thermal comfort, Adaptive comfort Models
Climatology & Building Physics
Integrated Environmental Solutions (IES)

TRAINING AREAS

Dr.Rajashree Kotharkar
VNIT, Nagpur (Urban Heat Island studies)
Dr.A.Lilly Rose
SPA Vijayawada (Urban Heat Island and its impact)
Dr.Rajasekar
IIT Roorkee (Indoor Thermal Comfort)
Ar.C.V.Subramanian
PMIST (Comfort analysis)
Ar. Mona Doctor-Pingel
Auroville (Alternative Building materials)
Ar.Sriram Ganapathy
KSM Architecture Studio

RESOURCE PERSONS

Registration fees:

- Rs. 10,000/- (Inclusive of delegate kit, course material and lunch + site visits if scheduled,)
- Rs. 15,000/- (Inclusive of delegate kit, course material, accommodation on sharing basis, breakfast, lunch & dinner + site visits if scheduled)

For Online Payment/Bank Challan please follow the following link:

<https://www.onlinesbi.com/sbicollect/collecthome.htm?corpId=872531>

Link for Application Form:

<https://goo.gl/forms/wAW12nJkPvKBDGhP1>

Local Coordinator:

SURYA RAJKUMAR. +91 9952939580

Email id: suryarajkumar.arch@sathyabama.ac.in

Kindly send the hard copy of registration form and receipt of online payment/bank challan (as applicable) the following address for the confirmation of participation

Prof. Jayashree Deshpande,

Director,

Council of Architecture Training & Research Centre (COA-TRC),

2nd Floor, A-4 (B), Abhimanshree, Off Pashan Road,

Pune - 411008, Maharashtra, India

Phone No: 0-9764-000-352

COA-TRC III "URBAN CLIMATE AND BUILT ENVIRONMENT"

Dates: 4/3/2019 - 8/3/2019

Venue: ACTIVITY CENTRE, DEPARTMENT OF ARCHITECTURE,

Details of Participants:

SATHYABAMA, CHENNAI

Sr. No	Name	Institute / Personal Address	Mobile	Email Id	COA Regn. No.	Require Accommodation	Signature	No. of Sessions Attended	Certificate Awarded /Returned
1.	CATHERINE SELVARAJ	Sathyabama Institute of Science & Technology	9884869091	cathyarchbq@gmail.com	CA/2009/45208	No			
2.	ARULMALAR KAMARAJ	Sathyabama Institute of Science & Technology	9444825261	arulmalar2@gmail.com	COA/2003/31980	NO			
3.	SANGHAVI.VV	Sathyabama Institute of Science & Technology	9940599091	architect.sanghavi@gmail.com	COA/2009/44632	NO			
4.	S. KAVITHA	Sathyabama Institute of Science & Technology	9944704359	kavisureshms@gmail.com	CA/2010/49755	NO			
5.	SHEETAL KALAMKAR	Sathyabama Institute of Science & Technology	9922991404	Sheetal.amraro-thak31@gmail.com	COA/2001/28381	NO			
6.	RENUKA DEVI.N	Singhad College of Architecture Pune	9157347591	origami.renuka@gmail.com	CA/2014/63878	No			
7.	PRAVEEN KUMAR BOTU	GITAM School of Architecture Vizag.	9811050933	praveenbotu@gmail.com	CA/2005/26191	Yes			
8.	SHANKAR GIRI	PILCO MODU COLLEGE OF ARCH. PLOT NO. 11/1/A, COA-SECTOR, CTC. CHENNAI.	9937416934	shankargiri99@gmail.com	CA/2011/51553	YES			
9.	DR. DEEPAK GANGOPADHYAY	Sathyabama Institute of Science & Technology	9840753787	gangopadhyay@yahoo.co.in	CA/96/19642	NO			
10.	AR. Mohamed Rafiq.S	ARIT, POCHAMPUR, CHENNAI	117666762	architectraf@gmail.com	CA/2013/60632	NO			
11.									
12.									

Stamp of College

Signature of Coordinator

Prof. _____

Signature of Principal

Prof. _____

Fee Proposal

Submitted to

M/s. SATYABHAMA INSTITUTE OF SCIENCE AND
TECHONOLGY

for

LEED v4 Green Associate Exam Prep Course

Dated 1ST AUGUST 2018

Eddego

INDIA: New 126 Habibullah Road T.Nagar Chennai 600 020 t: +91 44 28344780, 28340512 f: +91 44 28343345

U.S.A.: 15120 Mar Vista Street Whittier CA 90605 t: +1 562 6969748 f: +1 562 6969748

U.A.E.: P.O. Box # 7913 SAIF Zone Sharjah t: +971 6 5571129 f: +971 6 5571309

e: info@en3online.com w: www.en3online.com

GREEN YOUR CAREER

There is tremendous opportunity for students who integrate sustainability into their education. Sustainability knowledge can help distinguish you in a competitive marketplace. It will help showcase your domain expertise, organizing and project management skills together with sustainability as the backdrop.

Establish credibility by earning a credential. The LEED Professional Credential indicates to the marketplace that you have a clear understanding of green building principles and the implementation of LEED. Consider earning one seriously.

The Green Associate credential attests to basic knowledge and skill in understanding and supporting green design, construction and operations. Internationally, there is general agreement in the industry that a LEED credential increases chances of employment.

Eddego – Advanced Sustainability Training for the New Green Economy

Eddego is the training division of En3 and works with core partners such as the US Green Building Council to create a platform for honest credentialing. By identifying new credentialing venues, linking and clustering certification programs, conducting focus groups and engaging various stakeholders and partners, Eddego is offering new and innovative programs in energy and sustainability ranging from green project and management skills to green building, energy efficiency power and smart power.

Eddego is a proven training expert in the field of green buildings with practical experience of working on more than 200 million square feet of green buildings in various parts of the world. Our instructors are industry professionals with years of experience working with LEED and delivering training to individuals studying to pass the LEED exam.

Students across the world are just starting to look at this important area of study. Take the lead and begin your journey to a sustainable career.

Who Should Attend:

Architects | Engineers | Project Managers | Top Management | Economists | Traders | Product Manufacturers | Energy Managers | Waste Managers | Water Specialists | Landscape Artists

This is one chance you will not want to miss!!

LEED v4 Green Associate Exam Study

Course Description

The course will be delivered over two and half days. The study material and course content will cover the information necessary to successfully prepare for the LEED GA exam. You will learn about:

- Process to become a LEED GA
- Overview of exam
- Green building basics
- USGBC, GBCI and LEED
- Minimum program requirements for LEED certification
- Process for LEED building certification
- Integrated Design Process
- Commonalities and linkages between various LEED credits
- Reference standards that you need to be familiar with
- Special tips on study methods and exam-taking skills
- Detailed information about LEED credit categories and building strategies related to the various LEED sections:
 - Location and Transportation
 - Sustainable Sites
 - Water Efficiency
 - Energy and Atmosphere
 - Materials and Resources
 - Indoor Environmental Quality
 - Innovation in Design
 - Regional Priority

During the course you will have the opportunity to ask questions to your instructor. You will also be able to test your knowledge during the course through the use of practice questions posed by your instructor. You will also be provided with additional study tools, including access to online practice exams, a copy of presentation slides etc.

Course Benefits:

- Find out what you need to know to successfully pass the LEED GA exam.
- Learn from highly qualified instructors with real life experience
- Gain access to valuable knowledge and access to quality study tools
- Special discounted student fees for the course and for the exam
- The fee would include in person course delivery. USGBC would conduct the certification exam on a planned date at Prometric.

Why Eddego?

Eddego is the training division of En3. We are a long-standing USGBC member high reputation. Eddego is a proven training expert in the field of green buildings with practical experience of working on more than 200 million square feet of green buildings in various parts of the world. Our instructors are industry professionals with years of experience working with LEED and delivering training to individuals studying to pass the LEED exam.

Some of our Faculty

Karthik Narayan T S, BE (Hons.) Chemical Engineering and MSc (Hons) Biological Sciences, Birla Institute of Technology & Science, Pilani; LEED AP BD+C; LEED AP EB O+M; IGBC AP, GRIHA Evaluator and Trainer; BEE certified energy auditor (All India 3rd on the merit list)

Karthik has over 17 years of experience in executing and managing several complex Development, Maintenance and Re-engineering projects for leading multinational IT companies. Besides being a LEED AP, Karthik is a Certified Energy Auditor and Manager by Bureau of Energy Efficiency, Ministry of Energy, Government of India and a certified trainer and evaluator for the TERI-GRIHA Rating System. He is also a trained expert in conformity assessment, is an ISO 9000, ISO 14064 and ISO 50001 certified lead assessor. He is also a Certified Software Quality Analyst (CSQA), administered by the Quality Assurance Institute, USA and is also a Project Management Professional (PMP), certified by the Project Management Institute, USA.

Deepa Sathiaran, B.E. Electrical and Electronics, College of Engineering, Guindy; Master in Business Administration Great Lakes Institute of Management; LEED Fellow

Deepa is a LEED FELLOW (the highest credential offered by the US Green Building Council) and LEED AP since 2003 and a leading international sustainable design expert working with diverse project teams and creating sustainable habitats in the U.S., India, Europe and Middle East. She is a recognized HVAC and refrigeration consultant. She serves on various technical committees for U.S. Green Building Council and has been one of the key technical members that recently drafted the alternate compliance paths for international projects for the

LEED rating system. She is also a trained expert in conformity assessment, is an ISO 9000, ISO 17020 and ISO 17025 certified lead assessor and has conducted numerous assessments of certifying bodies, laboratories and inspection agencies. She is the Past President of the ASHRAE South India Chapter and also the Past National Environment Chair for the Young Indians (Yi) arm of the Confederation of Indian Industry (CII).

Sathiaran Ram, BE (Hons) Civil Engineering, Birla Institute of Technology & Science, Pilani; Master of Science in Civil Engineering, University of Southern California; Master of Business Administration, The Anderson School at the University of California at Los Angeles; LEED AP BD+C

Sathia provides direction in technical concepts for En3's major consulting assignments; maintains key-client contacts and monitors the development of projects from concept through post-occupancy operations and maintenance. He is working closely with international bodies such as International Code Council (ICC) U.S.A., The World Bank Group and governments including the Government of Abu Dhabi and Bahrain to develop sustainability and energy efficiency standards, policies and codes. He is a certified lead assessor on ISO 9000, ISO 17025 and ISO 14064. Besides being a LEED AP, he is an internationally recognized assessor for accreditation of testing and calibration laboratories, inspection agencies in the U.S. and India.

Kavin N, is a LEED AP BD+C and IGBC AP with more than 10 years of experience in Teaching Research and industrial sectors, especially in the field of energy conservation and management, Green buildings design and certifications and sustainability. Involved in implementing projects under various Green rating systems including New construction, Green Homes, Green Factories, Core and Shell, Existing Buildings and Commercial Interiors.

Kavin has been involved in the design and commissioning of 80+ green projects across India to help achieve desired LEED / Green Homes / Green Factories certifications. Some of the prestigious projects include World Bank (Sudan), World Bank (Nairobi), Danfoss, Qualcomm, Oberoi group, Reliance, Tech Mahindra, Great Lakes Institute of Management (first Educational institution campus to achieve LEED NC Platinum in India), ABAD Nucleus Mall (first LEED certified project in Kerala), Grundfos Pumps, Schneider Electric, Heritage Resorts, Syntel Global Development Center, Manyata Tech Park, Embassy Tech

Square, Wockhardt Hospitals among others.

Kavin is currently a senior project manager with En3 Sustainability Solutions Pvt Ltd.

Ms. Manoranjani .R, B.Arch, MBEM, is a Project manager in En3 sustainability solutions Pvt Ltd. She completed her Masters in Building Engineering & Management in School of Planning & Architecture, New Delhi.

She has experience in working with Indian Green Building Council [IGBC] & she is an accredited IGBC AP & LEED AP [BD+C]. In addition to this she has proved her ability in handling multiple green building projects. She has been certified as GRIHA Trainer & Evaluator. She has presented about GRIHA PROJECT case studies in the GRIHA Workshop at CSIR & gave training to practicing engineering professionals @ Chennai on 21st November 2012 organised by ADARSH – GRIHA.

She is in the field of Sustainability practices for the past 4.5 years and been associated with En3 for the past 3 years and been involved in various key project of different rating system from concept to completion to Guide the team and implement the green measures and ensure the compliances with respect to the appropriate green building standards .

Scholastic Achievements:

- LEED Accredited Professional [LEED AP BD+C]
- Certified GRIHA Trainer
- Certified GRIHA Evaluator
- IGBC Accredited professional
- COA registered Architect
- Best out going student award - year 2009
- GATE scholar.(90.1 percentile score) 2009
- Best Outgoing student award – School of Planning & Architecture.
- Best student Architect award (2009) - From Builders Association,Tamil Nadu.
- Topper in under graduation (Architecture)
- Shortlisted in Green home design competition - Ethos (2007)

She has been involved in various Green projects handled by En3.

Mr.Elavarasan Govindarasu started his carrier in sustainability design and consulting practice with En3 sustainability solutions in 2010. He holds a Bachelors degree in Electrical and Electronics Engineering and a master's degree with Gold Medal in Refrigeration and Air conditioning engineering from Guindy Engineering College, Chennai. Currently he is handling 80+ Green building projects (LEED, IGBC & GRIHA) with regional and International clients in India, Afghanistan and Bangladesh. His area of expertise includes New Construction, Core & Shell, SEZs, Green Homes, Existing Building, Apparels, Schools, University Campus/College, Hotels, Healthcare and Factories. Some of the prestigious project which got LEED & IGBC certification under his supervision are Sun Carrier Omega- Platinum rating (One of the India's first Net Zero Energy Building), The Newtown School- Gold rating (One of the India's first New Green school), Shriram "The gateway-B4 & B5"- Platinum rating, Shriram "The gateway-A6"- Gold rating etc.

Mr. Bharathidhasan is an M.E. and a senior energy analyst with En3 since 2008 and has been working on several complex energy simulations and has worked on over 50 LEED certified projects till date as energy simulation expert and analyst.

Bharathidhasan is experienced in interdisciplinary approach to problem solving, with an understanding of developmental energy and environmental issues.

Besides being an IGBC AP, Bharathidhasan is a Building Energy Simulation Specialist with extensive experience in using software like DOE2 (eQuest, VisualDOE4.1), Energy Plus (Design Builder), Visual DOE-4, Design Builder CFD, Ecotect, Daysim, DiaLux amongst others.

FEES and CLOSING

The professional fee for carrying out the training program for Green Associate Exam Preparation as per the course details indicated above is as follows 2 slabs

NO of STUDENTS	FEE PER STUDENT	18%tax	COST IN TOTAL
40	7000	1260	8260
80	6500	1170	7670
120	6000	1080	7080

Taxes shall be extra as applicable. The current rate of service tax is 18%.

Exclusions: 1

- The above fee would be applicable for students only.
- Students would be required to pay 100 USD directly to USGBC for LEED GA exam registration and Certification

Terms of Payment

Total Cost of the workshop including service tax for the required number of participants to be made before the workshop.

Validity: 3 month from the date of this proposal

CLOSING

We relish the opportunity to work closely with the client to deliver a service of exceptional quality and integrity.

Contact us at +91 9940271318 or email us at shreeram.s@en3online.com

About Us

En3 Sustainability Solution Pvt. Ltd. is the parent company of Eddego. En3's directors – Deepa Sathiararam and Sathiararam Ram started their sustainability design and consulting practice in 2003. Both building engineers – Sathiararam a civil and structural engineer from the U.S. and Deepa an electro-mechanical and HVAC engineer, got trained in green design while in the U.S. from the United States Green Building Council. Both are LEED Accredited Professionals and have been working on several green building projects ranging from 5000 square feet projects to 25,00,000 sq ft multi-use business parks and campuses in India, Europe, U.S. and the Middle East.

As leaders in sustainable design, En3 works with developers, architects, facility managers, and real-estate professionals to create high-performance buildings and communities that are less expensive to build (or retrofit), reduce the overall carbon footprint in your blueprints, more profitable to operate, easier to lease and healthier and more comfortable to occupy plus, they boost workforce productivity.

Core Team of En3

N. Vaidyanathan

Director, En3 Board & HVAC Consultant and Managing Director, Airfrige Engineers Pvt. Ltd.

Mr. Vaidyanathan is a ASHRAE Fellow and a renowned HVAC consultant. He consulted for diverse prestigious projects over the last four decades. He is a pioneer and proponent of energy-efficient, environment-friendly and life-cycle based systems design in India and has designed hundreds of millions of square feet of air-conditioned space. He is the Past President of the ASHRAE South India Chapter and the ISHRAE Chennai Chapter and has served on several technical committees and councils in the country. He teaches advanced courses as a visiting faculty at premier engineering schools India. He is also the MEP consultant for Ascendas for their International Tech Park project and Ascendas MIPL projects in Chennai and the upcoming Ascendas project in Coimbatore.

C. S. Ram

Director, En3 Board & Chairman and Managing Director, WELS Group of Companies

CS heads WELS group, a diverse organization with interests in electronics manufacturing, building safety and security equipment and security services. WELS manufactures and markets security and fire alarm products in technical collaboration with companies in Europe, U.S.A,

Taiwan & China. He has over 40 years of experience in the safety and security industry and has vast knowledge of international standards for design, engineering, manufacturing, installation and commissioning of building systems. He serves as Chairman, Institute of Standards Engineers (part of the Bureau of Indian Standards) and has served on several standards development and education committees in the country.

Sathiaran Ram

Managing Director, En3

Sathia provides direction in technical concepts for En3's major consulting assignments; maintains key-client contacts and monitors the development of projects from concept through post-occupancy operations and maintenance. He holds a Bachelors degree in Civil Engineering with Honors from the Birla Institute of Technology and Science, Pilani; a Master of Science in Structural Engineering from the University of Southern California , Los Angeles and a Masters in Business Administration from the Anderson School of Management at the University of California at Los Angeles. He is a trained expert in conformity assessment. Besides being a LEED AP, he is an internationally recognized assessor for accreditation of testing and calibration laboratories, inspection agencies and certifying bodies in the U.S. and India. He is a fellow of the Institute of Standard Engineers and life member of the Indian Concrete Institute.

Deepa Sathiaran

Executive Director, En3

Deepa is a LEED FELLOW and a LEED AP since 2003 and a leading international sustainable design expert working with diverse project teams and creating sustainable habitats in the U.S., India, Europe and Middle East. She is a recognized HVAC and refrigeration consultant. Deepa holds a Bachelors degree in Electrical and Electronics Engineering from Guindy Engineering College, Chennai and is currently pursuing a Masters in Business Administration from the Great Lakes Institute of Management. She is also a trained expert in conformity assessment, is an ISO 9000, ISO 17020 and ISO 17025 certified lead assessor and has conducted numerous assessments of certifying bodies, laboratories and inspection agencies. She is the Past-President of the ASHRAE South India Chapter and also the National Environment Chair for the Young Indians (Yi) arm of the Confederation of Indian Industry (CII)

Mr. Karthik Narayan

Director, En3

As Director-Operations in En3, Karthik is primarily responsible for conceptualizing, defining and maintaining the Operations in En3, that comprises of policies, processes, general and standard

operating procedures. Karthik holds a Bachelors degree in Chemical Engineering and Masters in Biological Sciences with Honors from the Birla Institute of Technology and Science, Pilani. Karthik has over 15 years of experience in executing and managing several complex Development, Maintenance and Re-engineering projects for leading multinational IT companies. Besides being a LEED AP, Karthik is a Certified Energy Auditor and Manager by Bureau of Energy Efficiency, Ministry of Energy, Government of India and a certified trainer and evaluator for the TERI-GRIHA Rating System. He is also a trained expert in conformity assessment, is an ISO 9000, ISO 14064 and ISO 50001 certified lead assessor. He is also a Certified Software Quality Analyst (CSQA), administered by the Quality Assurance Institute, USA and is also a Project Management Professional (PMP), certified by the Project Management Institute, USA.

C.P.Ramani, P.E., C.B.O

Advisor, En3 Board & President, International Accreditation Service Inc. (USA)

Chuck Ramani is the President of IAS, a subsidiary of the International Code Council in the United States. IAS is a non-profit public benefit corporation and a leading accreditation body since 1975 that accredits testing and calibration laboratories, inspection agencies, building departments, fabricator inspection programs and IBC special inspection agencies. He is an internationally renowned expert in product evaluation and has over 40 years of experience in construction quality control, including development, implementation and oversight of evaluation and testing programs. He is a registered civil and quality control engineer and certified building official in the U.S. and served on numerous committees and councils including American National Standards Institute (ANSI) and U.S. Department of Commerce.

We are Members of :



College Registration Form

Name of Institution:

Contact Person:

Address:

Tel:

Mobile:

email:

Number of students:

Preferred Dates for Course:

Preferred Dates for Exam:

Payment details:

for (institution name)

Authorized Signatory

(Seal)

For further information, contact us at +91 98402 71318 or email us at
shreeram.s@en3online.com

shreeram.s@en3online.com

Attachments

Fri, Nov 22, 11:47 AM (4 days ago)

to me, karthik.n

Dear madam

Further to the discussion had with you we can give you at a special price of 6000+18% tax which comes to total of RS 7080. we will be happy to conduct the workshop on 3 week of Jan 2020 after Pongal holidays.

Duration : 18 Hours of education session + One real time project site visit @ Chennai

Materials : One hard copy of the Entire course Program book with practice questions will be provided. The LEED Green Associate Program and the book will have all the required preparation materials with explanations covering the following data.

Process to Become LEED Green Associate Exam

Green Building design basics

About the LEED rating system

Intent implementation measures and LEED requirements to be implemented

In selection of site – Location & Transportation

LEED Measures to be implemented in site – Sustainable Site

Water efficiency measures – Water efficiency

Energy efficiency Measures In Building Design – Energy & Atmosphere

Indoor Environmental Quality &

Innovations.

Students who has attended the workshop will get the course completed certificate from us

Students has to pay \$100 extra for the LEED GA exam and it would be in chennai Prometric center.(We would help them in this process)

Value additions :

10 Mock test based on LEED Green Associate exam pattern with explanations

3 Online test in same actual exam pattern

Additional revision classes at En3 office @ T-Nagar before the actual exam in batches

	Students Names
	Group 1
	Venue: Ground Floor CAD LAB
1	Ashika P
2	Chitra S
3	Jagadish R
4	Jessy J
5	Kamalesvari S
6	Swetha S
7	Visalakshi C
8	Deepthi Krushnika A
9	Priyanga P
10	Rewanth Infant S
11	Rakesh Kumar M J
12	Ganesh Rajan S
13	Akshaya. C
14	Arkip Stelin D
15	Chandhini Menon S
16	Manjari A
17	Saptarshi Ghosh
18	Senthilvel.U
19	R.Shruthi
20	J.Trixie Leanna
21	S. Sahana
22	Subhashree .T
23	Yokesh .V
24	Arijeet Deb Roy
25	Haribalaji . K
26	Jaswanth Sakthi S A
27	Angeline Infancia D'Silva
28	Shivani S
29	Manisha S

	Students Names
	Group 2
	Venue: M Arch SUSTAINABLE LAB
1	Guruji V
2	Jasvi J
3	Kadambari L
4	Shrija S
5	Shruthilaxmi J
6	Sivamonika C
7	Kokhil S
8	Selva Priyadharshan B
9	Clintia Karen D
10	Shalini S
11	Suhail A S
12	Yazhini S
13	Aushwinlal J
14	Indravarman A
15	Manjula S
16	Aravind Balaji M P
17	Varun.M
18	DC Ligitto Miraclin
19	J.Infant Tiffancy
20	M.Sindhuja
21	M.Surya Shree
22	Jonnalagadda Rajesh
23	Lavanya .K
24	S Dinesh Aravindan
25	K.Sri Chaanthana
26	Sai Swathi Badri
27	Sneha C N
28	P Chaitanya Sai Janardhan
29	Elton Subin R E

Council of Architecture Training Program:

METHODOLOGY & EXPLORATION IN ARCHITECTURAL RESEARCH

Venue:

Activity Centre,
Department of Architecture,
**Sathyabama Institute of
Science and Technology**

Training Program dates:

3rd to 7th February 2020

Last day of registration:

Saturday 25th January 2020

SATHYABAMA



INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Accredited with "A" grade by NAAC
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai
www.sathyabama.ac.in



CA
Council of Architecture
Training & Research Centre
TRC

Convened by:

Prof. Jayashree Deshpande;
Director, COA-TRC, Pune

Coordinated by:

Dr. Devyani Gangopadhyay;
Dean, School of Building and Environment, Sathyabama Institute
of Science and Technology

Local coordinators:

Ar. Sheetal Amraotkar;
Associate Professor, Sathyabama Institute of Science and Technology
Tel: 9922991404; **Email:** sheetal.amraotkar31@gmail.com

Ar. Jhannupriyaa M;
Assistant Professor, Sathyabama Institute of Science and Technology
Tel: 9894384718; **Email:** jhannupriyaa90@gmail.com

Eminent Speakers and Topics Covered:

Research in Architectural Practice

Ar. Sriram Ganapathi, KSM Architecture
Studio, Chennai

Theorizing and Critiquing- A Dialogue

Ar. Sathya Prakash Varanashi, Sathya
Consultants, Bengaluru

**Publishing in Journals, Project Funding
and Proposal Writing**

Dr. Iyer Vijayalakshmi, Dean (Research),
SPA Vijayawada

**Qualitative Research and Quantitative
Research**

Dr. Lakshmi Thilagam, Director, Kalasalingam
School of Architecture, Krishnankoil

Research Processes in Architecture

Dr. Devyani, Dean, School of Building and
Environment, Sathyabama Institute of
Science and Technology

**Selecting Areas of Research in
Architecture**

Dr. Suresh Kuppusamy, Design Chair,
School of Architecture, Sathyabama
Institute of Science and Technology

Intellectual Property Rights

Dr. Dilshad Shaik, Dean, School of Law,
Sathyabama Institute of Science and
Technology

**Fundamentals of Triangulation with
Outcomes of a Basic Design Studio in
Architecture**

Ar. Arulmalar, Professor, Sathyabama
Institute of Science and Technology

Graphical Representation of Data

Dr. Rajasekar, Professor, Kongu Engineering
College, Perundurai

**Identification of Appropriate Research
Methods**

Dr. Kalaselvi, Professor, Rajalakshmi School
of Architecture, Chennai

**Curating Experiences for Interpretative
Discourse**

Ar. Ishita Shah, Independent Researcher,
Designer, Curator, Historian, Bengaluru

Significance and Objective:

Architecture encompasses tangible and intangible practices involving society, culture, quality of life, economics, innovation and so on. To further contribute to architectural education and practice, the need for architectural exploration arises. This calls for well defined research processes. This training program aims to enhance the ability to explore and investigate architecture following a constructive and effective methodology.

Intent of the Program:

- To open up new avenues in Architectural Research and allow a wide spectrum of exploration.
- To have a wholesome understanding through specific interventions using appropriate methodology.

Registration Process:

Teachers/ architects who wish to register for the training program either under Collaborative Training Program (CTP) or as independent individual may do so by filling up the Google form specified in the link below.

Registration Fees:

- Rs. 10,000/- (inclusive of delegate kit, course material and lunch + site visits if scheduled,)
- Rs. 15,000/- (inclusive of delegate kit, course material, accommodation on sharing basis, breakfast, lunch & dinner + site visits if scheduled)

Only in case nominated teachers registered for this program under CTP, require provision of accommodation, the facility of accommodation on sharing basis, breakfast and dinner for five days can be availed of by payment of Rs. 5,000/- per head by online payment/ bank challan. Kindly mail back scanned images of the proof of payment together with application form duly authenticated by HOD/Principal on ttpcoatrc.pune@gmail.com, directorcoatrc@gmail.com and E-mail id of local coordinators: **sheetal.amraotkar31@gmail.com**; **jhannupriyaa90@gmail.com**

Link for Application Form: <https://goo.gl/forms/wAW12nJKpVKBDGHp1>

Payment link for Online Payment/Bank Challan:
<https://easypay.icicibank.com/homePage>
(Institution Name= "COUNCIL OF ARCHITECTURE")

Note: Registration with/without accommodation shall be confirmed on receipt of payment towards the accommodation/registration.

Kindly send the hard copy of registration form and receipt of online payment/bank challan (as applicable) on the following address for the confirmation of participation:

Prof. Jayashree Deshpande, Director,
Council of Architecture Training & Research
Centre (COA-TRC), Academic Wing of Council of
Architecture, 2nd Floor, A-4 (B), Abhimanshree,
Off Pashan Road, Pune- 411008, Maharashtra,
India; Tel: 9764000352

NATIONAL INSTITUTE OF ADVANCED STUDIES IN ARCHITECTURE, PUNE
Training Programme on "Methodology and Exploration in Architectural Research "

Tentative schedule

Co-ordinators : Ar.Sheetal.A,Ar.Jhannupriyaa.M

Dates : 3rd feb 2019 - 7th feb 2019

Venue : Sathyabama University - Chennai

Session	Day 1	Day 2	Day 3	Day 4	Day 5
8.30 - 9.30	Registration	IPR - Dr.Dilshad Shaik	site visit and onsite exerise with guidance of Ar.Thirupura sundari	Research process in Architecture-Dr.Devayani&Ar.Arulmalar	Journal paper-Dr.Vijayalakshmi
9.30 - 10.00	Introduction - Dr.Devayani				
10.00 - 10.30	Inaugural Session - by Ar.Sriram ganapathy				
10.30 - 11.00	TEA BREAK			TEA BREAK	
11.00 - 12.00	Research in Architectural Practice-Ar.Sriram ganapathy	Conversion of qualitative research into quatitative research-Dr.Lakshmi Thilagam	Hands on works of site visit-how to interpre -Ar.Ishita shah	An insight into the fundamentals of triangulation with outcomes of a basic design studion in architecture-Dr.Arulmalar	Journal paper-Dr.Vijayalakshmi
12.00 - 13.00	selecting area of research in architecture-Dr.Suresh kupusamy				Theorizing and Critiquing - A Dialogue Ar.sathyaprakash Varanasi
13.00 - 14.00	LUNCH				
14.00 - 15.00	Identification of appropriate research methods-Dr.Kalaselvi	Conversion of qualitative research into quatitative research-Dr.Lakshmi Thilagam	Interdisciplinary approach to architectural research Ar.Ishita shah	Graphical representation of data-Ar.Rajasekhar	Theorizing and Critiquing - A Dialogue Ar.sathyaprakash Varanasi
15.00 - 15.30	TEA BREAK				
15.30 - 16.00	Identification of appropriate research methods-Dr.Kalaselvi	Research process in Architecture-Dr.Devayani&Ar.Arulmalar	Interdisciplinary approach to architectural research Ar.Ishita shah	Graphical representation of data-Ar.Rajasekhar	Valedictory
16.00 - 17.00					

"Methodology and Exploration in Architectural Research "

Participant List

Please find below the updated status of registration

S r.	Comm	Name of participant	Mo bile	Email	Name of College	Registr ation/ accom modati on fees	Hard copy of Regis tratio n form	Regis tratio n confir med
1	Yes	Rashmi P S	953 878 584 9	rashmin.rvca@rvei.edu.in	RV COLLEGE OF ARCHITECTURE	Not received	Not received	Not Confirmed
2	Yes	Anupriya Saxena	987 444 734 7	anupriyas.rvca@rvei.edu.in	R V College of Architecture, Bangalore	Not received	Not received	Not Confirmed
3	No	Surya Rajkumar	995 293 958 0	suryarajkumar.arch@sathyabama.ac.in	Sathyabama Institute of Science and Technology, Chennai	Received	Received	Confirmed
4	No	Innisai Rajasabai	984 126 762 8	info.designstrategy.arch@gmail.com	School of Architecture & Planning, Anna University	Not received	Received	Not Confirmed
5	No	S. Deepalakshmi	944 250 655 4	deepamoorthy00@gmail.com	Sathyabama Institute of Science & Technology	Received	Received	Confirmed
6	No	Maya Mohan	975 145 769 9	mayamohan.ns@nehrucolleges.com	Nehru School of Architecture	Received	Received	Confirmed
7	No	Leslie Jean Dias	988 040 094 5	lesliemail100@gmail.com	Srinivas School of Architecture	Received	Received	Confirmed
8	No	T Umashankari	944 427 333 5	rumashankari@gmail.com	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	Received	Received	Confirmed

9	Yes	Zeeshan Haider Khan	776 067 489 3	ar.zeeshanhaid@gmail.com	SRINIVAS INSTITUTE OF TECHNOLOGY	Received	Received	Confirmed
10	No	G.Monisha	994 064 331 4	ar.monishamihel@gmail.com	Sathyabama Institute of Science and Technology	Received	Received	Confirmed
11	No	Y Satya Ravi Kishore	955 392 579 9	satyaravikishore.yandamuri@gitam.edu	GITAM SCHOOL OF ARCHITECTURE,	Received	Received	Confirmed
12	No	Ch P V Gopalakrishna	938 125 113 9	krishna.chevukupalli@gitam.edu	GITAM SCHOOL OF ARCHITECTURE, GITAM UNIVERSITY	Received	Received	Confirmed
13	No	Divya.M	984 068 359 6	divyam3@srmit.edu.in	SRM School of Environment Architecture and Design	Not received	Not received	Not Confirmed
14	No	Preethima.D	994 024 860 7	preethid@srmit.edu.in	SRM School of Environment Architecture and Design	Not received	Not received	Not Confirmed
15	No	Ar. Nareshkumar K M	988 482 381 2	nareshkm@srmist.edu.in	SRM School of Environment Architecture and Design	Not received	Not received	Not Confirmed
16	No	Prof. Venkatesh Babu P	950 097 811 0	venkatep2@srmist.edu.in	SRM School of Environment Architecture and Design	Not received	Not received	Not Confirmed
17	No	Dhivya.J	978 900 768 8	j.dhivyabharathi@gmail.com	Rajalakshmi school of architecture	Not received	Not received	Not Confirmed
18	No	Sathyaseelan.R.K	994 116 661 1	sathyask@srmit.edu.in	SRM School of Environment Architecture and Design	Not received	Not received	Not Confirmed
19	Yes	K JASMINE VIDHYA	950 097 811 3	jasminevidhya@pmu.edu	PERIYAR MANIAMMAI INSTITUTE OF SCIENCE AND TECHNOLOGY	Not received	Not received	Not Confirmed

					Y			
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C.A.R.E. School of Architecture
I Semester 2019
Basic Design / Joint Studio Exercise

Key Concepts // Understanding 3-dimensional Space / Experiencing Composition, Colour, Line quality, Depth / Sharpening Observation / Engaging Subjectivity through Interpretation and Conversation / Craft and Material Understanding

Background

“Design” is understood as a conscious, will-generated process with an active cognizance of the field in which design has to be practiced/produced. This requires the designer to cultivate the capacity to apprehend the field. Primary apprehension for the designer is the understanding of morphology, or 3D space, the objects/surfaces that make it and are contained in it. This is a sensory process, using the faculties of the whole body to “observe”. This primary step becomes the keystone of any design process, and it is crucial that this first mode of observation does not carry preconceived habits of observations that the students carry from their previous experiences. The exercises must be structured to break their habits and help them “look twice”, observe in the true sense.

The Exercise

The students will be handed a printout of a painting. In pairs, they will have to look at it's composition, elements, lines, colours and surfaces and “recompose” them as if they existed in 3D space. They will make a frame to represent this space, and then place the objects within the frame as their personal interpretation/discussion with partner directs.

Tasks

1. The students will make a cuboidal frame to hold the contents of their work within. This frame must be stable enough to carry the weight of the contents that they decide to put in. [The frame will be made of barbecue sticks, string and binding wire. — tentative]
(Duration: 0.5 days)
2. The students in pairs will discuss the painting they have received and imagine it as a 3D space as viewed from one side, with various elements actually located at various distances from the viewer. (This can also be explained in the same way as we see the sky: the stars are all at different distances from the observer, but they appear to be in the same plane we call the blanket of the “night sky”.)
(Duration: 1.5 days)
3. Students look again at their own model and sketch as if they were going to make the painting again: but now forgetting the original painting the task is to make 2-dimensional again their own 3D creation. This will be done using restrictive techniques to create specific modes of drawing and therefore of observational understanding of point, line, plane, space, composition.
(Duration: 1 days)
4. [Alternative to point 3] : Students are now told that the painting is a scale model of a real space (1:50?). They have to make 1:50 silhouettes of themselves, and then locate a space inside their models that seems to have potential for making a quiet hideout for two people. They make drawings that show how this space works with all the surrounding objects.

Screenshot of a Gmail inbox on a Windows desktop. The browser tabs include WhatsApp, Google Drive, C6-Architecture-2.3.2022, Sent Mail - sanghavi.vv@g, Satyabama and BNCA Joint, and Inbox (885) - sanghavi.arch. The email address in the address bar is mail.google.com/mail/u/1/#search/BNCA/FMfcgwxGcLHpHSLdNPtHPIVVDKsCtdM. The email is from Sujata Karve (sujata.karve@bnca.ac.in) to me, sonali.sprave@gmail.com, rahulkarve@gmail.com, Namrata, sujata. The subject is 'Satyabama and BNCA Joint studio in February 2020'. The email content discusses a preliminary idea for a joint studio, the design of innovative climate responsive facades, and a tentative schedule for the studio. The schedule includes a morning session on 4th Jan 2020, an afternoon session on 5th Jan 2020, a guest lecture on 6th Jan 2020, and a tentative site visit on 7th Jan 2020. The email ends with a 'Regards' and contact information for Sujata Karve, B.Arch, M.Plan, Ph.D, Head of Department - M.Arch (Environmental Architecture), Dr. Bhanuben Nanavati College of Architecture, Pune. The Windows taskbar at the bottom shows the search bar, taskbar icons, and system tray with weather (28°C Partly sunny) and date (03-03-2022).

Windows taskbar: Type here to search, 28°C Partly sunny, 10:18, 03-03-2022

Browser tabs: (2) WhatsApp, Sanghavi - Google Drive, C6-Architecture-2.3.2022, Sent Mail - sanghavi.vv@g, Satyabama and BNCA Joint, Inbox (885) - sanghavi.arch

Address bar: mail.google.com/mail/u/1/#search/BNCA/FMfcgwxGcLHpHSLdNPtHPIVVDKsCtdM

Gmail interface: Compose, Inbox (885), Starred, Snoozed, Sent, Drafts, Meet, Hangouts

Email details: From: Sujata Karve (sujata.karve@bnca.ac.in) to me, sonali.sprave@gmail.com, rahulkarve@gmail.com, Namrata, sujata. Subject: Satyabama and BNCA Joint studio in February 2020. Date: Fri, Jan 24, 2020, 10:53 AM.

Email content: As discussed on the phone today sending you the preliminary idea for the joint studio. The studio could look at the design of innovative climate responsive facades for hotels or offices in different climatic zones. The design could be explored both through manual calculations and simulations (energy performance and daylight). Tentatively the schedule will be as follows:

4th Jan 2020 - Morning session - ice breaking and introductions followed by presentations by students from Satyabama and BNCA. Afternoon session - introduction to the design problem and discussions followed by a visit of the campus.

5th Jan 2020 - Guest lecture (morning session) followed by studio working the day ends with group presentations for the work done during the day.

6th Jan 2020 - Studio working and completing presentations till lunchtime. Post lunch - Final presentations of the work done in the studio.

7th Jan 2020 - Tentative site visit. (will depend on the permissions granted).

Look forward to your comments so that the details program can be finalised.

Regards

Sujata Karve
B.Arch, M.Plan, Ph.D
Head of Department - M.Arch (Environmental Architecture)
Dr. Bhanuben Nanavati College of Architecture, Pune
+91-20-25474002/6998 (O)
+919823296945
sujata.karve@bnca.ac.in



SCHOOL OF BUILDING & ENVIRONMENT
DEPARTMENT OF ARCHITECTURE

Proposal for Four Day Collaborative Workshop at BNCA, Pune for the M.Arch (SA)
Sathyabama students and M.Arch (EA) BNCA students

SCHEDULE

Date	Session	Event/Activity
04/02/2020	Morning	• Introduction • Introduction to Time Problem (Sustainable Design) • - group work • Presentation - Sustainable Design Studio works
	Afternoon	• Guest Lecture • Hands on – Manual Calculation for Sustainable Design Project by BNCA Students
05/02/2020	Morning	• Continuation of the Hands on session • Knowledge sharing on Software by Sathyabama Students
	Afternoon	• Hands on – Software Training • The students get to work on the time problem
06/02/2020	Full day	• Industrial Visit
07/02/2020	Morning	• The students get to work on the time problem
	Afternoon	• Presentation of the worked out design

SATHYABAMA							
INSTITUTE OF SCIENCE & TECHNOLOGY							
SCHOOL OF BUILDING & ENVIRONMENT							
DEPARTMENT OF ARCHITECTURE							
I YEAR NAME LIST M.Arch SA BATCH 2019-2021							
BNCA , Pune Collaborative Workshop 4th, 5th ,6th & 7th Jan 2020							
S.NO	REGNO	NAME					
1	39890001	AKSHAYA.C					
2	39890002	ARKIP STELIN.D					
3	39890003	AUSHWINLAL					
4	39890004	CHANDHINI MENON.S					
5	39890005	CLINTIA KAREN.D					
6	39890006	DEEPTHI KRUSHNIKA.A					
7	39890007	GANESH RAJAN					
8	39890008	INDRAVARMAN.A					
9	39890009	MADHUMITHA.K					
10	39890010	MANJARI.A					
11	39890011	MANJULA.S					
12	39890012	PRIYANGA.P					
13	39890013	RAKESH KUMAR.M.J					
14	39890014	REWANT INFANT.S					
15	39890015	SEETHA VISALAKSHI.K					
16	39890016	SELVA PRIYADHARSHAN.B					
17	39890017	SHALINI.S					
18	39890019	SUHAIL.A.S					
19	39890020	YAZHINI S					
20	39890021	ARAVIND BALAJI					



ABOUT THE WORKSHOP



The Construction industry is a major labour intensive economic sector that needs a large improvement in the speed, quality and productivity of the construction work. Robotic technology, Automation and Artificial intelligence may pave the way for automated processes, increased productivity, faster work with more precision and accuracy resulting in financial savings.

The workshop aims to introduce the role of robotics and automation technologies with applications in

- Building Health Monitoring
- Application of Artificial Intelligence and Machine Vision in Building Automation
- Application of Robotics in Building Automation
- Application of Artificial Neural Network

ABOUT SATHYABAMA INSTITUTE OF SCIENCE & TECHNOLOGY(Deemed to be University)



Sathyabama Institute of Science and Technology (A Christian Minority Institution) formerly known as Sathyabama Engineering College was established in 1987 by Dr. Jeppiaar. It is a premier institute imparting knowledge in the areas of engineering, science, technology and education. The institution's progress and contribution to the field of technical education for over two decades resulted in granting Deemed University status on 16th July, 2001. Sathyabama Institute of Science and Technology with the blessings of Founder Chancellor Colonel Dr. JEPPIAAR has been strengthening its developmental activities in bearing fruits of research for betterment of the society.

INNOVATIVE APPLICATIONS OF ROBOTICS & AUTOMATED SYSTEMS IN CONSTRUCTION MANAGEMENT



13th & 14th MARCH 2020

Department of Architecture

In Association with

International Association for Automation and Robotics in Construction

DEPARTMENT OF ARCHITECTURE SCHOOL OF BUILDING AND ENVIRONMENT

The Department of Architecture, School of Building and Environment, is a state of the art design and management oriented school striving to create a responsive built environment through energy efficient and structurally stable infrastructure thereby fostering students to face the challenges of the dynamic World. The Department nurtures students in the exploration of skills, their creativity in design, and their expressions and creates a platform to collaborate on projects in developing innovative strategies in the built environment by integrating research skills throughout the curriculum. The School of Building and Environment consists of Department of Architecture and Department of Civil Engineering. The Department of Architecture offers Bachelor of Architecture as UG programme and Master of Architecture (Building Management) & Master of Architecture (Sustainable Architecture) as PG programmes.

IAARC

The growing interest shown internationally towards the end of the 1980's in Automation and Robotics in Construction (ARC) matters led to the formation of IAARC International Association for Automation and Robotics in Construction in 1990. By then a number of

international symposia had already been convened and the creation of IAARC satisfied the demand for an umbrella organization. IAARC is a global community with specific concern for all fields of construction including civil and building engineering, machine automation, robotics applications to construction, IT technologies, planning, logistics, etc.

RESOURCE PERSONS

Dr. Benny Raphel,
Professor, IIT Madras & Vice-president of IAARC

Mr. S. Kavin Kumar, Director, Engineering Project Management Consultancy and Research Private limited (EPMCR(P)LTD)

Dr. Devyani Gangopadhyay,
Dean, School of Building and Environment

REGISTRATION

Students: Rs.750/- per person.
Academician: Rs.1000/- per person.
Industry: Rs.1500/- per person.
Last date for Registration: 9th March 2020

Mode of Payment : All payments are to be made by demand draft payable at Chennai drawn in favour.....

For Spot Registration on 13th March, prior confirmation is required.

DAY 1 (08:30 – 15:00)

08:30 Registration
08.45 Inauguration & Welcome Address
09.00 Introduction to 'Automation in Construction' : Dr. Benny Raphel.
09.45 Tea Break.
10.00 Opportunities for Automation- Brainstorming Session: Dr. Benny Raphel.
11.00 Application Examples: Mr. S. Kavin Kumar
12.00 Lunch
01.00 Formwork Challenge : Session 1: Mr. S. Kavin Kumar & Team.
03.00 End of Day 1

DAY 2 (09:30 – 15:00)

09.00 Formwork Challenge : Session 2: Mr. S. Kavin Kumar & Team.
09.45 Tea Break.
10.00 Hands on: Session 1 : Dr. Benny Raphel & Team
12.00 Lunch
01.00 Hands on: Session 2: : Dr. Benny Raphel & Team
02.45 Distribution of Certificates
02.45 Valedictory function

CONTACT US

Ar. Sukirtha Suresh : 9444830060
Email- sukirthasuresh2000@gmail.com

SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY	
SCHOOL OF BUILDING AND ENVIRONMENT	
DEPARTMENT OF ARCHITECTURE	
Batch 2019-2021	
M.Arch BM	
REG NO	NAME OF THE STUDENT
39840001	AAFREEN BANU
39840002	AGHALYA DIVYA JYOTHI
39840003	ALBART.A
39840005	DARRYL CHRISTOPHER
39840006	DEEPIKA.S
39840007	DIVYAA.Y.B.
39840008	JAGADEESH PANDIAN.C
39840009	KARTHIK. P
39840011	LISHALI.K
39840012	LOKHESH.S
39840013	MANJU.R
39840014	PRINCELY.K
39840015	PRIYANKA G
39840016	RAJARAJAN.B
39840017	RAM AKSHAYA.S
39840018	SOWMIYA.R
39840019	SWATHI LAKSHMI.M
39840020	THIRUMAVAZHAVAN.S
39840021	MONISHA NAGESWARAN