

2nd INTERNATIONAL CONFERENCE ON SUSTAINABLE TECHNOLOGIES IN BUILDING & ENVIRONMENT (ICSTBE)



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

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Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119
www.sathyabama.ac.in



is Organising

THE 2ND INTERNATIONAL CONFERENCE ON SUSTAINABLE TECHNOLOGIES IN BUILDING & ENVIRONMENT



ICSTBE 2018

23rd - 25th January, 2018
www.icstbe2017.com

in the **TIEMES** and is a **PREMIER FORUM**

**SUSTAINABLE URBAN DEVELOPMENT
CLIMATE RESEARCH & SUSTAINABLE TECHNOLOGIES
CLIMATE & BUILT ENVIRONMENT
GREEN TECHNOLOGY
STRUCTURAL SUSTAINABILITY
ENVIRONMENTAL SUSTAINABILITY
WATER RESOURCES- ASSESSMENT AND MANAGEMENT
SUSTAINABLE STRATEGIES AND POLICIES**
(for sub themes visit conference website)

To disseminate sustainable principles, ideologies and practices in various layers, new advances and research results in the fields of sustainable technologies from the micro to macro level. The forum would enable the stakeholders with the necessary insights to integrate sustainable principles in creating habitable environment. The International conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world.

Abstracts /Full paper submissions

via Email @

info@icstbe2017.com

icstbe2017@gmail.com

icstbe2018@gmail.com

Selected conference papers will be published in Scopus indexed journals.

The charges of publication will be additional, as per the concerned journal

Dr. T.Sasipraba

Pro Vice Chancellor,
SATHYABAMA UNIVERSITY,

Dr. N. Jothilakshmy

Dean, School of Building & Environment

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DELEGATE FEES

Category	Before 20 th Dec 2017	After 20 th Dec 2017
Students	INR 2500	INR 3500
Faculty/Research Scholars	INR 3500	INR 4500
Delegates of Industry	INR 8000	INR 10000
Participation Only/Accompany	INR 1000	INR 2000
Foreign Delegate	USD 300	USD 350

Abstract Submission

20th Nov, 2017

Intimation of Acceptance

01st Dec, 2017

Early Bird Registration

20th Dec, 2017

Last Date for Registration

15th Jan, 2018

Conference Dates

23rd - 25th Jan, 2018

UPDATE

The last date of Abstract Submission has been extended to **25th DECEMBER 2017**.
Papers would be published in Scopus or WoS indexed Journals

ICSTBE Conference- Report

Buildings, infrastructure and environment are linked together and consumes enormous amount of energy, materials, water and land during their construction and operation. And the challenge in recent years remains in the reduction of social, economical and environmental impacts of these built structures while exploring the options of sustainability.

Sustainability evolves continuously with a highly permeable boundary in pluralistic manner and is strongly rooted in forward backward linkages retaining the spirit of time. Sustainable construction is a way forward towards achieving sustainable development, taking into account environmental, socio-economic and cultural factors focusing on issues such as design and management of buildings, materials and building performance, energy and resource consumption. The main objectives of sustainable construction are to reduce or avoid depletion of critical resources like energy, water, and raw materials; prevent environmental degradation caused by facilities and infrastructure; and create built environments that are livable, comfortable, safe, and productive. Thus Sustainable construction is the creation and responsible management of a healthy built environment by adopting the principles of ecology and efficient management of natural resources. Also, sustainability does not restrict only to new constructions but can be encouraged in retrofitting of existing buildings. Therefore, 2nd International Conference on Sustainable Technologies in Buildings and Environment (ICSTBE) focuses on planning, designing, building and operating sustainable buildings and infrastructure to maximize their lifecycle economic value, their net contribution to environmental functions and services, and their social equity.

The 2nd International Conference on Sustainable Technologies in Buildings and Environment (ICSTBE) is a premier forum to disseminate sustainable principles, ideologies and practices in various layers, new advances and research results in the fields of sustainable technologies from the micro to macro level. The forum would enable the stakeholders with the necessary insights to integrate sustainable principles in creating habitable environment. The International conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world.

PROGRAMME SCHEDULE

ICSTBE 2018 – PROGRAM SCHEDULE

JAN 23rd – 25th 2018

Registration at International Research Centre (08:00 am to 09:00 am)							
Day	Date	FORENOON			AFTERNOON		
I	23.01.2018	9.00am to 10.30am	High Tea Break 10.30 am to 11.00 am	11.00am -12.30pm	1.30 pm - 3.30 pm		Dinner 07.30 pm to 08.30 pm
		INAUGURAL FUNCTION		PLENARY SESSION I Dr. Edy Tonnizam Bin Mohamad Professor Centre of Tropical Geo engineering (GEOTROPIK), University Teknologi Malaysia Ar. Eugene Pandala Urban Designer and Conservation Architect Ar. Norashikin Hidayah Architect, Hamzah & Yeang Architects, Malaysia	TECHNICAL SESSIONS		
					Venue-I SUSTAINABLE URBAN DEVELOPMENT - I SESSION CHAIR : Dr. Rama Subramanian Professor, Department of Architecture, Dayanand Sagar College of Engineering	Venue-II CLIMATE & BUILT ENVIRONMENT - I SESSION CHAIR : Dr.T.K.Prasanna Professor, MES School of Architecture, Trichur	
					Venue-III WATER RESOURCES MANAGEMENT SESSION CHAIR : Dr.K.V.Jayakumar Professor, NIT, Warangal	Venue-IV STRUCTURAL SUSTAINABILITY - I SESSION CHAIR : Dr. K.Muthumani Earthquake Engineering Division CSIR, SERC, Chennai.	
Day	Date	FORENOON				AFTERNOON	
II	24.01.2018	9.00am to 10.30am	High Tea Break 10.30 am to 11.00 am	11.00am -12.30pm	Lunch Break 12.30 pm to 1.30 pm	1.30 pm - 3.30 pm	Dinner 07.30 pm to 08.30 pm
		PLENARY SESSION II Ar. Palinda Kannangara Practicing Architect, Srilanka Dr. A. Veeraragavan Professor Department of Civil Engineering Indian Institute of Technology Madras		TECHNICAL SESSIONS			
				Venue-I CLIMATE & BUILT ENVIRONMENT - II SESSION CHAIR : Dr. Iyer Vijayalaxmi Kasinath Associate Professor, School of Architecture & Planning Anna University, Chennai		Venue-II CLIMATE & BUILT ENVIRONMENT -III SESSION CHAIR : Dr.A.K.Kasturba Head, Department of Architecture, NIT Calicut.	
				Venue-III ENVIRONMENTAL SUSTAINABILITY - I SESSION CHAIR : Dr. S. T. Ramesh Associate Professor Department of Civil Engineering, NIT, Trichy.		Venue-IV STRUCTURAL SUSTAINABILITY - II SESSION CHAIR : Dr. G. Mohan Ganesh Professor, Department of Structural & Geotechnical Engineering, VIT, Vellore	
Day	Date	FORENOON				AFTERNOON	
III	25.01.2018	9.00am to 10.30am	High Tea Break 10.30 am to 11.00 am	11.00am -12.30pm	Lunch Break 12.30 pm to 1.30 pm	1.30 pm - 3.30 pm	Panel Discussion & Valedictory
		PLENARY SESSION III Prof.Dr. Hamdan Bin Ahmad Dean, Faculty of Built Environment Universiti Teknologi Malaysia. Dr.Darren Chian Siau Chen Assistant Professor Department of Civil and Environmental Engineering, National University of Singapore		TECHNICAL SESSIONS			
				Venue-I SUSTAINABLE URBAN DEVELOPMENT - II SESSION CHAIR : Dr.Abdul Razak Professor & Dean, School of Planning and Architecture, Vijayawada		Venue-II SUSTAINABLE URBAN DEVELOPMENT - III SESSION CHAIR : Dr.Mohammad Arif Kamal, Associate professor ,Architecture Section Aligarh Muslim University	
				Venue-III GREEN TECHNOLOGY SESSION CHAIR : Dr.N.K.Ambujam Professor and Director, CWR, Anna University		Venue-IV ENVIRONMENTAL SUSTAINABILITY - II SESSION CHAIR: Dr. Sultan Ahmed Ismail Director, Eco science Research Foundation, Chennai	

PRESENTATION SCHEDULE and PARTICIPANT NAMES

SESSION 1 : Sustainable Urban Development - I SESSION CHAIR : Dr. Rama Subramanian Co-Chair : Dr.Suresh Kuppusamy

Date : 23.01.2018 Time : 1.30 P.M. – 3.30. P.M Venue : I Rapporteur : Ar.Arulmalar

1. C.Ezhil Maran & J.Safrin Rex Dulcie Sustainable quotient of Kasi Viswanathaswamy temple agraaharam
2. SudhaGopalakrishnan Impact of urbanisation on vernacular buildings
3. Allu Revathi Devi & Vamsi Deepak TSV The Social and Environmental Dimensions in Housing
4. E. Horrison, L. R. Amirtham & V.Shankar Urban Heat Island pattern and the role of urban morphology in Chennai, India
5. Deepalakshmi S, & Dr.Lilly Rose Amirtham Temple tanks an integral part of cultural and ecological aspects of a town - Kanchipuram – a case study
6. Sathish Kumar. T & Arivumani. V Study on Urbanization Climatic conditions and Thermal Comfort in Hot and Humid – Chennai City
7. K.Edhaya Sustainable redevelopment through landscapes
8. Dr.SudnyaMahimkar & KetakiNiteenGupte, & Ashwini K. Bhosale Aesthetics versus sustainability: an exploration in metropolitan environment
9. Parvathi Ramesh Greening historic urban landscape of Mahabalipuram
10. Sona Alex & Harshalatha Infrastructure and sustainable development in Bangalore

SESSION 2 : Climate & Built Environment - I SESSION CHAIR : Dr.T.K.Prasanna Co-Chair : Dr.G.Shanmugapriya

Date : 23.01.2018 Time : 1.30 P.M. – 3.30. P.M Venue : II Rapporteur : Ar.Shankar

1. Jayanthi.V Rethinking community spaces: an investigation on how open gathering spaces can become sustainable, cultural and social assets in an urban context
2. SnehaBodhankar&Vaijayati Yadav Healthy Environmental and Safety in Buildings
3. Catherine Selvaraj&Seethavisalakshi. K A study on designing of institution with courtyards in the current scenario
4. Swethasudhan & EbinHorisson.S Impact of morphology of residential campus on microclimate
5. SonaliWalimbe Need to connect children to Nature for a sustainable future.
6. M. Dharini A perspective on transition spaces in institutional buildings
7. Madhumitha.K Evolution of performing space – A Sustainability perspective
8. Harshalatha& Pooja B I Integration of social interaction and sustainability in high-rise structures- a study in Bangalore
9. S. HenyaStephi & S.EbinHorrison Modification of microclimate conditions and bringing outdoor thermal comfort in urban residential clusters
10. B. Vedhajanani& Dr. A. Lilly Rose Spatial and cultural aspect of Courtyard
11. Kokila M.P. & Ramya R A Study on Sustainable Tall Buildings

SESSION 3 : WATER RESOURCES MANAGEMENT SESSION CHAIR : Dr.K.V.Jayakumar Co-Chair : Dr.S.Packialakshmi

Date : 23.01.2018 Time : 1.30 P.M. – 3.30. P.M Venue : III Rapporteur : Ms.T.K.Padmini

1. M.Alaguraj Study of ancient water storage system on forts in Krishnagiri district of tamilnadu
2. Albert Joseph Hefferan Sustainability and Waste water management: A literature study of Kolkata's Wetlands.
3. Padmini.T.K, Packialakshmi.S,Parameswari.K Evaluation of Water Quality Parameters of Chembarambakkam and Madhuranthagam Lake.
4. Ar. M Shanthini Traditional Water Management Systems around Madurai – Past, Present & Future - An overview
5. S Vanitha, P Krupakar Rao, Experimental analysis of korattur lake water
6. S.Dhamodaran, M.Lakshmi Hydrological model for flash flood prediction and flood level monitoring in reservoir using web server
7. Lalitha Munagala Seasonal water logging problem in Tamil Nadu
8. Aditi Goel Adsorption Kinetics of Heavy Metal accumulation of soils of Swarna River Basin, Udupi District, Karnataka
9. Needhidasan.S Smart irrigation for smart cities for future india – A study
10. B.Subhasree, Shanmuga Priya G Urban Green Cover: a global survey of Landscape Policies and Development Regulations
11. S. Sorna Selina Sukirtha, Nisha.K Affordable Housing - demystifying the current trends and strategic planning policies in the context of Peri -Urban areas of Chennai
12. Mookambika BA,D.Jayanthi Strategic Approaches to Sustainable Urban Renewal in infrastructure sector in Developing Countries- Case Based Analysis of Poonamallee suburban, Chennai, TN
13. Swetha.K, A. Meenatchi Sundaram Study on Geo behavioral environment of Institutional Pathways

SESSION 4 : STRUCTURAL SUSTAINABILITY- I SESSION CHAIR : Dr. K.Muthumani Co-Chair : Dr.R.Padmapriya

Date : 23.01.2018 Time : 1.30 P.M. – 3.30. P.M Venue : IV Rapporteur : Mr.Bose Christy Arun

1. Alwyn Varghese, Anand.N,Prince Arulraj.G Studies on Behaviour of Fire Affected Fiber Reinforced Concrete
2. D. Ashok , P.Lakshmi Teja Influence of partial replacement of coarse aggregate with cinder on the properties of light weight aggregate concrete
3. K.Chiranjeevi, M.M.Vijayalakshmi Effect of Fly ash based Geopolymer Concrete by Applying Nano Technology-A Review
4. Damyanti G Badagha, C D Modhera Parametric Experimental Studies on Sustainable Concrete Containing Waste under Different Curing Conditions

5. Dhruv Malaiya Comparison of behavior of RC frame designed by conventional and performance based method
6. S.Lalitha Experimental study on corrosion prevention r.c.slab with coated rebars
7. M. Meenaanjali, Govindaraj A comparative study on force based design and performance based design of RC frame
8. R.Manikandan Behavioural study on steel concrete composite slab with marine concrete
9. Manoj Kumar, Dr. Mageswari, Saravanan Study of recovery of mechanical properties of self-healing concrete using super absorbent polymer (sap)
10. Mohammad Ehras Akhtar, S. Elavenil Dynamic Response of Strengthened RCC Structural Elements under Blast Loading
11. V.Preetha, Dr.V.Senthilkumar, S.Dhivyabarathi Finite Element Analysis of Conventional Reinforced Concrete Slab with Composite slab using Profiled deck
12. Rizwana Azeem B, Ar. Chandramathy I, Ar. Thangalavanya S Evaluation of Thermal Properties of Coconut Shell as Coarse Aggregate in Concrete
13. Somil Khattar, Muthumani K Seismic performance of existing high-rise building
14. Sripranap Experimental study on behavior of rc cantilever beam subjected to cyclic loading
15. Swaran K R Influence of diaphragm wall and raker pile on seismic capacity of berthing structure
16. Varun Singh Chandel, Yamini Sreevalli.I Numerical study on influence of masonry infill in a multi bay single storey RC frame
17. Anandu Sreeraj, Arun Roy, Mathew Paul, Noel Francis and V Vasugi Influence of steel shots in achieving High density concrete

SESSION 1 : CLIMATE & BUILT ENVIRONMENT - II SESSION CHAIR : Dr. Iyer Vijayalaxmi Kasinath Co-Chair : Dr.N.Jothilakshmy

Date : 24.01.2018 Time : 11.00 A.M – 12.30. P.M Venue : I Rapporteur : Ar.Arulmalar

1. Saranya .V.G Sustainability in contemporary-vernacular architecture
2. Haris Bin Arif&Jyoti S. Gidavir Critical analysis of parameters for net zero energy buildings in Oman
3. R. Rupa& Dr. P. Vasanthi Impact of Thermal Comfort in Naturally Ventilated Residential Buildings in Urban Coastal Area and Peri Urban in Chennai , India.
4. Shilpa Das I &P.S.Rashmi Infanta Evaluation of building physics phenomenon : a comparison between vernacular and contemporary buildings in the context of warm humid climate
5. Surya A Climate change and the built environment Effectiveness of Product, Process & Performance
6. Sandhya.P&Kavitha.D Thermal Comfort in Classrooms: A Comparative Study of the Change over a Century
7. Jyoti S. Gidavir&Haris Bin Arif Alternative sources of energy conservation in Institutional buildings
8. Mamatha.N Enhanced indoor Environmental quality & Management strategies
9. K.Madhuri&T.Dhanasekar Adaptive building envelope
10. Vijayalakshmi S An approach to climate responsive design for the Chennai city on the basis of Mahoney tables
11. KasirajanKanagaraj Passive Ventilation in Modern Residential Buildings in Warm and Humid Tropical Climate

SESSION 2 : CLIMATE & BUILT ENVIRONMENT - III SESSION CHAIR : Dr.A.K.Kasturba Co-Chair : Dr.G.Shanmugapriya

Date : 24.01.2018 Time : 11.00 A.M – 12.30. P.M Venue : II Rapporteur : Ar.Shankar

1. Indra.C&Dr.KumudhavalliSasidhar Sustainability in vernacular architectural practices – a case study of Kerala vernacular architecture in Malappuram
2. Anitha M & Dr. K. Yogeswari Thermal comfort in classrooms in warm humid climate
3. R.Raammnath&Dr.D.Jayathi Challenges and Approaches in the Conservation of Aathangudi Tiles towards Sustainable Development of Chettinad Region
4. Tony Marcel Nisha &Dr.P.Jayasudha The cultural facets of sustainable built environment
5. Anju Elsa Kurien A comprehensive study on the contribution of earth architecture towards a sustainable environment
6. Annalakshmi.L&Dr.KumudhavalliSasidhar Sustainability of traditional religious core in the urban context of Chennai- The case of Mylapore
7. Dr.ShanmugaPriyaGnanasekaran Passive design strategies and thermal performance of traditional buildings in Tamilnadu: A summary of findings of sustainable design studio exercises
8. VidhyaLakshmi.P Sustainable urban development with a case study of historic core of Madurai
9. Anuradha Menon & Dr. RaneVedamuthu Sustainable development of heritage areas – exploring the historic urban landscape approach
10. Vidya Sustainability in vernacular practices
11. Kavitha Suresh Unique Hues of Mud Architecture

SESSION 3 : ENVIRONMENTAL SUSTAINABILITY - I SESSION CHAIR : Dr. S. T. Ramesh Co-Chair : Dr.V.Sampathkumar

Date : 24.01.2018 Time : 11.00 A.M – 12.30. P.M Venue : III Rapporteur : Ms.R.Nirmala

1. Surya S, Venket S, Sampathkumar V long-term measure to relieve traffic congestion at shollinganallur intersection in chennai
2. Alein J S, Anumeena S U, Vasugi K A comparative study on plastic wastes in flyash bricks
3. Priya Arun Sustainable transportation planning and management
4. G.PremalathaPraveen Sustainable transportation planning and management in historic district of chennai – george town.
5. Arulmalar , Jothilakshmy Nagammal Applications of secondary post consumer packaging materials in temporary structures: an overview
6. Naga Subramanian.G Utilisation of used foundry sand in concrete
7. S.Devi mirnalini, G.Devi sridevi, M.Praba Utilization of copper slag as a partial replacement of fine aggregate in concrete
8. Samuel Simron Rajkumar. J, Vijayalakshmi.

M.M. Murugasan. R and Lakshmi. S

Evaluating the performance of bituminous concrete using polyethylene with superpave gradation

9. Prithiv.S, Rajendhran A study of risk assessment and management in construction

10. Saravanan.S, Nagajothi.S, S.Elavenil investigation of manufactured sand in geopolymer concrete

11. A.Kandasamy, D. B. Jabaraj, M.Chandran Experimental study on the performance and emissions characteristics of ci engine using biodiesel (methyl ester of cotton seed oil) with al2o3

SESSION 4 : STRUCTURAL SUSTAINABILITY- II SESSION CHAIR : Dr. G. Mohan Ganesh Co-Chair :Dr.M.M.Vijayalakshmi

Date : 24.01.2018 Time : 11.00 A.M – 12.30. P.M Venue : IV Rapporteur : Ms.M.Shanmuga Priya

1. R. Padmapriya, V.K. Bupesh Raja, V. Ganesh kumar, J.Baalamurugan Study on strength of concrete by replacing Coarse aggregate with induction furnace steel Slag and cement by ramming mass
2. C.Divyapriya Multiscale modeling of concrete for determining concrete creep compliance
3. Shanmugapriya.M, Nirmala R Flexural behaviour of Self Compacting Concrete using Bagasse Ash and Polypropylene Fibers
4. Nirmala R, Dr. R. Rajkumar Experimental and analytical studies on buried un-plasticized poly vinyl chloride
5. Polipati Ananyachandran, Mohamed Shafeeq S.M, Pavan Kumar M, V Vasugi Performance evaluation on sustainable high early strength concrete
6. Ajay Kumar T M, Aishwarya, Eshwar Prabhath K, V.Vasugi A study on self comacting geopolymer concrete with an alkaline activator ratio
7. Alisha Jais, Nimisha Jiji, Polipati Ananyachandran, V Vasugi Influence of curing methods on high early strength concrete to achieve sustainability
8. R.Rashmi Mano, Padma Priya R Experimental investigation on High Performance Nano concrete
9. Puneet Thakur, Dr. Helen Santhi Seismic performance of Timber-steel hybrid multi- storey building
10. Shanmugapriya.P, Padmapriya R. Drift analysis on tall buildings
11. L.S.Indra Sena Reddy, M.M.Vijayalakshmi High performance concrete with GGBS and Robo Sand- A Review
12. Preethy Mary. A, Eswari. S Behavior of GFRP Laminated RC Beams using Finite Element Analysis
13. M.Jothilingam, Pratheeba Paul Durability performance of fly ash, ggbs, and redmud based geopolymer concrete for sustainable construction - a mitigation measure to reduce global warming
14. R. Karthickraja, G. Divya An experimental investigation on concrete by partial replacement of copper slag for fine aggregate and ceramic waste with coarse aggregate
15. Preyadarshi.S Study on Bio-Mineralization process on Microbial-cementation in Concrete
16. K. Rangarajan, S. Kothandarama Flexural Retrofitting Of RC Beams with Elastic Spring Support
17. Y.Sombabu, M.M.Vijayalakshmi, L.S.Indra Sena Reddy Retrofitting of rcc beams using glass fiber reinforced polymer (gfrp)

SESSION 1 : SUSTAINABLE URBAN DEVELOPMENT – II SESSION CHAIR : Dr.Abdul Razak Co-Chair : Dr.Suresh Kuppusamy

Date : 25.01.2018 Time : 11.00 A.M – 12.30. P.M Venue : I Rapporteur : Ar.Shankar

1. N. Ramesh Babu Building typologies for fire risk mitigation at urban scale –a case study of core area of Kumbakonam town
2. Febin Md. H &Dr. Vijayalaxmi J Sustainable cities - Masdar, as a prototype
3. Kanika Bansal Climate change and Urban development strategies in India
4. D. Karthigeyan& Dr. SheebaChander Multi modal integration - a case study of proposed Chennai central square
5. Jerome Benhur K Social isolation: a study on social sustainability in cities
6. Ashwini Rathnavel What makes a sustainable intentional community in southern India?
7. C.Ezhil Maran &J.Safrin Rex Dulcie Urban sustainability a neighborhood assessment on crime prevention
8. Mohanapriya.R,
&Dr.KumudhavalliSasidhar The prospects and constraints in the development of temple town as a sustainable smart city - a case study of Kumbakonam
9. Sona Alex Are our cities sustainable? The triple challenge of development, quality of life and the environment-
10. P.Jayashree Human psychology on LVIA in urban parks
11. Vasanthan R, Vijay David & Sampathkumar Proposal of a new Island city near Mahabalipuram on Bay of Bengal

SESSION 2 : SUSTAINABLE URBAN DEVELOPMENT – III SESSION CHAIR : Dr.Mohammad Arif Kamal Co-Chair : Dr.N.Jothilakshmy

Date : 25.01.2018 Time : 11.00 A.M – 12.30. P.M Venue : II Rapporteur : Ar.Arulmalar

- 1 J.Jeyaradha, &Dr.RaneeVedamuthu Optimization of lighting in school classrooms using Dialux Software
- 2 Gayathri &Surya Rajkumar Sustainable roofing material and its benefits in conventional construction
- 3 PreethaJacob Post Occupancy Evaluation : A Sustainable Design Tool
- 4 LikhitaDevineni&AnushaAdireddy Eco-Friendly by Design-The Responsibility of an Architect
- 5 Nivethitha.G Sustainable Building Services Systems
- 6 Surya Rajkumar , Dr.ShanmugaPriya Critical analysis on adaptive comfort models and is driving factors their relationship to school environment
- 7 Saurav Dixit Key benefits of synchronizing sustainable construction and lean construction in Indian construction industry
- 8 PriyaSasidharan Green and grey order – traditional sustainable moorings
- 9 ReshmiPanicker Sustainable skyscrapers – a paradox or paradigm
- 10 AncelineJacob.T Daylighting in office buildings in warm -humid tropical climate
- 11 K.Bharath Effectiveness of biophilic design in health spaces

SESSION 3 : GREEN TECHNOLOGY SESSION CHAIR : Dr.N.K.Ambujam Co-Chair :Dr.Phani Madavi

Date : 25.01.2018 Time : 11.00 A.M – 12.30. P.M Venue : III Rapporteur : Ms.P.K.Raji

1. Ahamed Fazeel Akram Green building rating system
2. Karan.R, Niyandha.S,Rajesh Khanna Green Technology: an investigation on promoting green villages
3. D.Mugundhan Bridging green and brown foot prints – a sustainable challenge to envelope grey shade
4. Nina Lazar, Chithra K Green Building Rating Systems from the Perspective of Three Pillars of Sustainability through Building Lifecycle
5. Selvendiran S G, Ebin Horrison S A framework for evaluating the benefits of green building project using cost benefit analysis
6. Andavan.S, Needhidasan.S,
Elavenil.S
Implementing the concepts of green building by using eco-friendly materials for sustainable development – a study
7. Anushruti, Mamatha.N Smart &Sustainable materials: A step towards sustainability
8. Ar.Vinushaa, Sukirtha, Surya Rajkumar A study on centralized collaboration for sustainable development in AEC industry
9. Sanghavi Venkata Varadan,Arulmalar Ramara Exploring the Role of glass bottles in etching built forms and environments aesthetically – A thematic Study
10. V.Shankar, S.Ebin Horrison Role of precast in making mass housing a Sustainable Development

SESSION 4 : ENVIRONMENTAL SUSTAINABILITY - II SESSION CHAIR : Dr. Sultan Ahmed Ismail Co-Chair : Dr. S.Nandhakumar

Date : 25.01.2018 Time : 11.00 A.M – 12.30. P.M Venue : IV Rapporteur : Ms.P.Vijayalakshmi

- 1 Alina C. Cherian, Gayathri S, Praba M Utilization of crumb rubber from scrap tyres for flexible pavement
- 2 P. Indiramma,. Ch. Sudharani Improvement of expansive soil characteristics using fly ash and lime
- 3 Needhidasan Santhanam, Ramesh Baskar Awareness about e-waste generation, disposal & its implications on environment and human health – a practical study
- 4 Asif Laskar, Praba M Optimization of strength characteristics on utilization of waste plastics in bituminous pavement construction
- 5 K.KIRTHIKA, T.R.PRAVEEN KUMAR, ABIDA JUSTUS Design and experimental investigation of polymerized bitumen roads using plastic waste
- 6 Packialakshmi S, Padmini T.K Treating waste water using electrocoagulation approach
- 7 M.Aishwarya, J.Anudevi, M.Praba Experimental study on the properties of pervious concrete
- 8 P Vijayalakshmi, Marykutty Abraham Selection of Potential Reactive Materials for removal of Chromium in landfill leachate using Permeable Reactive Barriers
- 9 Abida Justus, K.Kirthika, T.R.Praveen Kumar Use of recycled plastic waste as partial replacement for fine aggregate in concrete
- 10 M.Siva Chennakesava Rao, M.M.Vijaya Lakshmi Green concrete using agro-industrial waste – a review

FDP on VALUE BASED MANAGEMENT



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VENUE

School of Building and Environment
Department of Architecture, Sathyabama University

11th - 15th September 2017

COORDINATORS

Dr. N.Jothilakshmy Dean, School of Building and Environment Sathyabama University
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INVITE



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FACULTY DEVELOPMENT PROGRAMME

VALUE-BASED MANAGEMENT

AN INTEGRATED APPROACH TO VALUE CREATION

VENUE

Department of Architecture
Sathyabama University, Chennai

DATE

11th September 2017

Time : 09:00 AM

IN THE PRESENCE OF

TMT. REMIBAI JEPPIAAR

CHANCELLOR, Sathyabama University, Chennai

OUR ESTEEMED PATRONS

Dr. MARIAZEENA JOHNSON, B.E., MBA., M.Phil., Ph.D.
PRO CHANCELLOR, Sathyabama University, Chennai

Dr. MARIE JOHNSON, B.E., MBA., M.Phil., Ph.D.
VICE PRESIDENT, Sathyabama University, Chennai

PATRONS

Dr. K.V. NARAYANAN, M.E., Ph.D.
VICE CHANCELLOR, Sathyabama University, Chennai

Dr. T. SASIPRABA, Ph.D.
PRO - VICE CHANCELLOR, Sathyabama University, Chennai

Dr. S.S. RAU, M.B.A., Ph.D.
REGISTRAR, Sathyabama University, Chennai

Dr. B. SHEELA RANI, M.S (By Research), Ph.D.
DIRECTOR (Research), Sathyabama University, Chennai

Value Based Management- Report

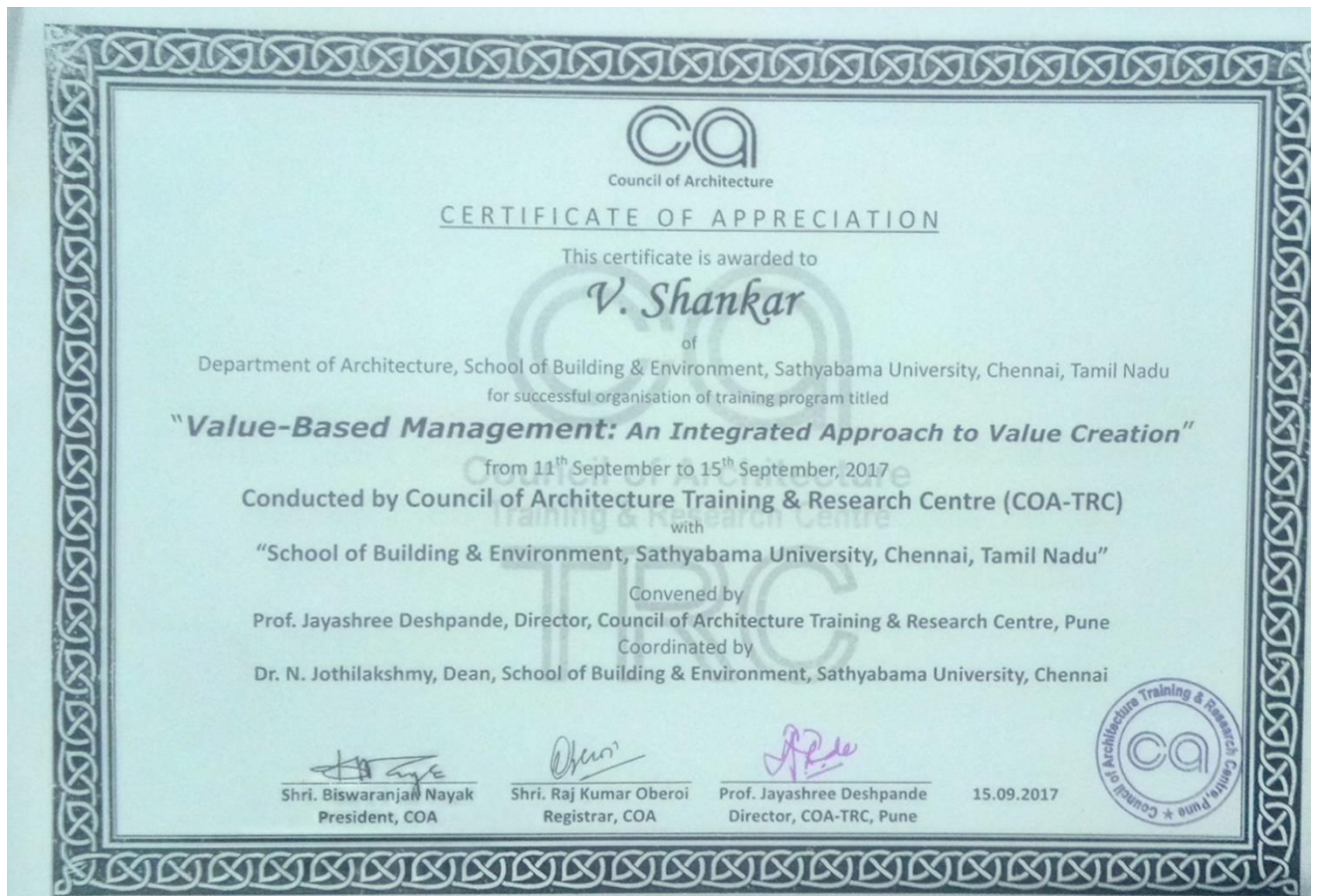
Value-based management can be defined as an integrated management control system that measures, encourages and supports the creation of net worth. Over the last 20 years, the field of value-based management (VBM) has changed significantly. VBM began with a breakthrough performance metric and has matured into an entire management framework that focuses organizations around value creation. There is a complication with value-based management, however. Doing it right is not easy. Recent reports have indicated that almost half of the companies that have adopted a VBM metric have had mediocre success. The difference between success and failure with VBM depends on how well a firm integrates VBM into the culture of the organization.

This programme aims to compare not only the metrics used by different consultants, but also to analyse their value-based management constructs as a whole. This analysis shall be based on the fundamental components of a holistic VBM-program, as defined by several researches on value-based management. The programme is intended for Practising Architects, Project Managers, Researchers and Teachers in understanding the varied interests of all stakeholder groups and the impact of value-based management on collaboration.

SCHEDULE

	MORNING SESSION				AFTERNOON SESSION		
	09:00 — 10:00	10:00 — 10:15	10:15 — 12:15	12:15 — 01:15	01:15 — 02:15	02:15 — 02:30	02:30 — 03:30
MONDAY 11 th Sep	BUILDING A CULTURE OF VALUE CREATION						
	INAUGURATION		Fundamentals for value creation		Value-based Management in Practice		Strategy development in VBM
			Mr.Kavin Project Manager, EPMCR				
TUESDAY 12 th Sep	PERCEPTIONS OF DIFFERENT STAKEHOLDERS						
	Perception of the different stakeholders		Market evaluation and External Communication		Parameters of consultants approach		Benchmarking at different levels
	Ar. Anthony Thomas Facilities Head, RBS		Ms. Manoranjani R. Project Manager, EN3 Sustainable Solutions				
WEDNESDAY 13 th Sep	DIFFERENT VALUE-BASED MANAGEMENT APPROACHES						
	Perception and specific contribution of the VBM-approach in general		Investment decisions & resource allocation		Site Visit to Ramanujan IT Park		
	Mr.Velan CEO, Ramanujam IT Park						
THURSDAY 14 th Sep	SUPPORTING TOOLS & TECHNIQUES FOR VBM						
	Supporting tools for VBM		Training & education for VBM		Hand on Training on PRIMAVERA / MS PROJECT		Hand on Training on PRIMAVERA / MS PROJECT
	Mr. Bashyam Dasaratharaman, Proprietor, PRIMENTUS						
FRIDAY 15 th Sep	IMPLEMENTATION OF VBM APPROACH						
	Performance Management		Implementation Process for VBM		Recognition and Reward System and policies		VALEDICTORY
	Mr. Velprakash K. National Director Industrial & Life Sciences, Project & Development Services JLL Property Consultants (I) P Ltd		Mr. Madhu Anand Project Manager, L & T Limited				

CERTIFICATE



PHOTOS





PARTICIPANTS

COA-TRC ttp "Value-Based Management - An Integrated Approach To Value Creation"

Dates: 11.09.2017 to 15.09.2017

Co-ordinator: Dr.N.Jothilakshmy, Dean, School of Building and Environment Ar. Sukirtha Suresh Professor & Ar. V.Shankar Professor, School of Building and Environment

Venue: Department of Architecture, School of Building and Environment, Sathyabama University

Details of Participants:

Sr. No	Name	Institute / Personal Address	Mobile	Email Id	COA Regn. No.	Sign.	No. of Sessions Attended	Certificate Awarded /Returned
1.	R.PUGALENTHI	MENAKSHI College of Engg	7904703416	ar.pugalenthi@gmail.com	CA/2014/64346		11	
2.	Selva Prakash M	Dr. Naga educational research institute	9969403778	selva.prakash8@gmail.com	CA/2013/59508		11	
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4.	M.Piccolola	Crescent School of architecture	8098590119	kolacarch@gmail.com	CA/2015/70416		11	
5.	R.RAMYA	CRESCENT SCHOOL OF ARCHITECTURE	9790763534	ramyanaravith93@gmail.com	C/2016/73546		11	
6.	SURYA . R	SATHYABAMA UNIVERSITY	99529 39580	surya.archie@gmail.com	CA/2006/39090		11	
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8.	Gayathri .B	Sathyabama University	8489356356	gayug89@gmail.com	CA/2012/52227		11	
9.	SEBIN HARRISON	SATHYABAMA UNIVERSITY	9444037424	e.harrison@yahoo.com	CA/2003/32301		11	
10.								
11.								

Signature of Coordinator
Prof. V. SHANKAR
Signature of Principal
Prof. DR.N.JOTHILAKSHMY

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COA-TRC ttp "Value-Based Management - An Integrated Approach To Value Creation"

Dates: 11-15 Sep 2017

Co-ordinator: Dr.N.Jothilakshmy, Dean, School of Building and Environment Ar. Sukirtha Suresh Professor & Ar. V.Shankar Professor, School of Building and Environment, Sathyabama University

ATTENDANCE SHEET

No.	Name of Participant	Day I -				Day II -				Day III -				Day IV -				Day V -			
		I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
1.	R.PUGALENTHI																				
2.	M.Selva Prakash																				
3.	K. Raj Vignesh																				
4.	M.Piccolola																				
5.	R.RAMYA																				
6.	SURYA . R																				
7.	PRIYADHARSHINI																				
8.	Gayathri .B																				
9.	S. SEBIN HARRISON																				
10.																					

Signature of Coordinator
Prof. V. SHANKAR
Signature of Principal
Prof. DR.N.JOTHILAKSHMY

NOTE - Kindly Award certificate of participation to participants after successfully attending the training programme.