

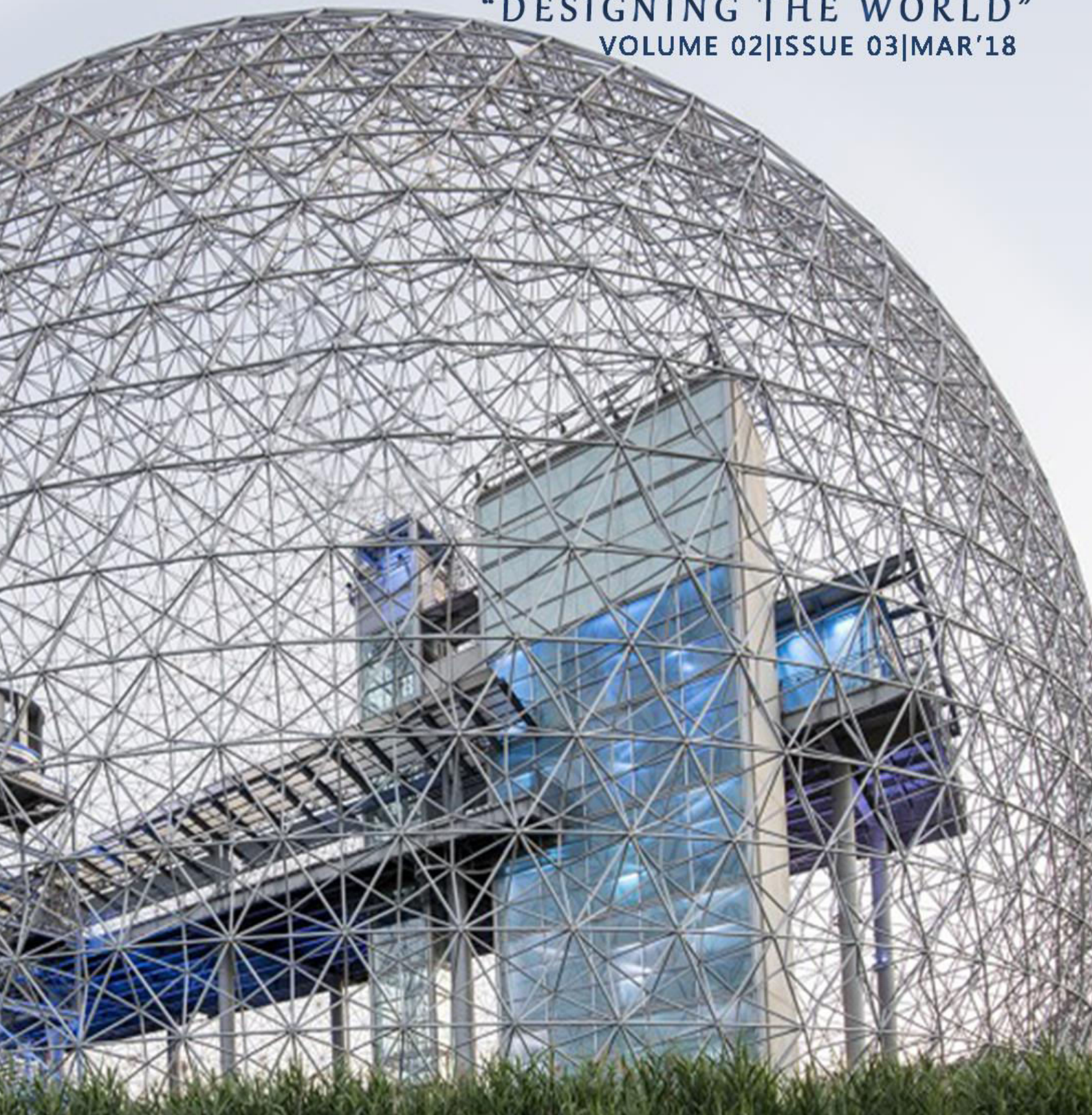


DEPARTMENT OF
CIVIL ENGINEERING



CIVILIZATION

“DESIGNING THE WORLD”
VOLUME 02|ISSUE 03|MAR'18





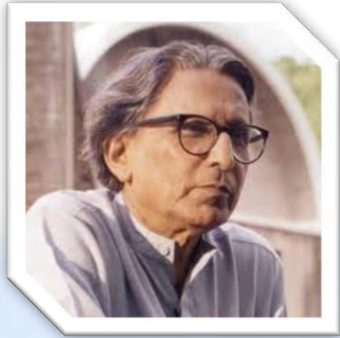
VISION

To be a department imparting knowledge in Civil Engineering education, research, entrepreneurship and industry outreach services for creating sustainable infrastructure and enhancing quality of life with professional and ethical values.

MISSION

- ❖ **To provide an effective teaching – learning environment enabling students to be a competent civil engineer.**
- ❖ **To motivate research and entrepreneurial initiatives in the field of civil engineering.**
- ❖ **To inculcate ethical values to serve the society with high order professionalism.**





Dr. BALKRISHNA VITHALDAS DOSHI **–MAN WHO MADE INDIA PROUD**



Balkrishna Vitthal Das Doshi (born 26 August 1927) is an Indian architect. The prestigious Pritzker Prize, architecture's Nobel Prize equivalent, was awarded to trailblazing Indian architect Balkrishna Doshi on March 7, 2018. He is the first Indian architect to receive the Pritzker Architecture Prize. Dr. Doshi has been instrumental in establishing the nationally and internationally known research institute Vastu-Shilpa Foundation for Studies and Research in Environmental Design. The institute has done pioneering work in low cost housing and city planning. He is also noted for designs which incorporate concepts of sustainability in innovative ways. His more noteworthy designs include the Indian Institute of Management Bangalore and the Aranya Low Cost Housing development in Indore which was awarded the Aga Khan Award for Architecture.



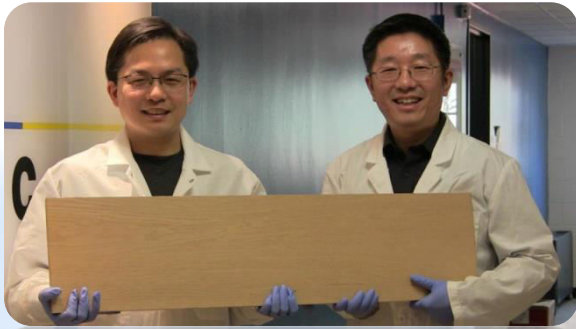
Doshi's Centre for Environmental Planning and Technology, India.



The exterior of Sangath, Doshi's studio Amdavad Ni Gufa – an underground gallery

And the 90-year-old has no plans of slowing down, he said, "If I as an architect am not able to do something for my people and provide them with what they need, then I should say my job is incomplete," says the pioneer of low-cost housing. In a career lasting almost 70 years, Doshi was trained with Swiss-Franco icon Le Corbusier .

WOOD – TEN TIMES STRONGER!



Liangbing Hu, (left), and Teng Li, (right), are engineers at the University of Maryland, College Park who have found a way to make wood more than 10 times stronger and tougher than before.

"This new way to treat wood makes it 12 times stronger than natural wood and 10 times tougher," said Liangbing Hu of UMD's A. James Clark School of Engineering and the leader of the team that did the research, to be published on February 8, 2018 in the journal Nature. "This could be a competitor to steel or even titanium alloys; it is so strong and durable. It's also comparable to carbon fibre, but much less expensive." Hu is an associate professor of materials science and engineering and a member of the Maryland Energy Innovation Institute. "It

is both strong and tough, which is a combination not usually found in nature," said Teng Li, the co-leader of the team and Samuel P. Langley Associate Professor of mechanical engineering at UMD's Clark School. His team measured the dense wood's mechanical properties. "It is as strong as steel, but six times lighter. It takes 10 times more energy to fracture than natural wood. It can even be bent and moulded at the beginning of the process."

The team also tested the new wood material and natural wood by shooting bullet-like projectiles at it. The projectile blew straight through the natural wood. The fully treated wood stopped the projectile partway through.

"This kind of wood could be used in cars, airplanes, buildings -- any application where steel is used," Hu said.

The two-step process reported in this paper achieves exceptionally high strength, much beyond what [is] reported in the literature.

Source- Sciencealert





NEW TECHNIQUES IN CIVIL ENGINEERING.....

SELF-HEALING CONCRETE

Analysts at Bath University are hoping to build up a self-mending solid, utilizing a blend containing microorganisms inside microcapsules, which will develop when water enters a split in the solid to deliver limestone, stopping the break before water and oxygen has an opportunity to erode the steel support.

WARM BRIDGING

Effective protection material is turning out to be progressively vital all through the development business. Warm transmission through dividers has a tendency to be gone specifically through the building envelope, be it stonework, square or stud edge, to the inside sash, for example, drywall. This procedure is known as “warm crossing over”. Aerogel, an innovation created by Nasa for cryogenic protection, is viewed as a standout amongst the best warm protection materials and US turn off Thermablok has adjusted it utilizing an exclusive aerogel in a fiber glass network.

PHOTOVOLTAIC GLAZING

Building incorporated photovoltaic (BIPV) coating can help structures

produce their own particular power, by transforming the entire building envelope into a sun-powered board. Organizations, for example, Polysolar give straightforward photovoltaic glass as a basic building material, shaping windows, façades, and rooftops.

ACTIVE FOOTFALL

Active vitality is another innovation a work in progress. Pavegen gives an innovation that empowers deck to saddle the vitality of strides. It can be utilized inside or outside in high activity regions and produces power from walker footfall utilizing an electromagnetic acceptance process and flywheel vitality stockpiling. The innovation is most appropriate to transport center points where an extensive stream of individuals will ignore it. The biggest sending the organization has done as such far is in a football contribute Rio de Janeiro to help control the floodlights around the pitch. It likewise at present has a transitory establishment outside London's Canary Wharf station driving road lights.



LIGHT GENERATING CEMENT

Dr. Jose Carlos Rubio Avalos UMSNH of Morelia, has created Cement that has the ability to absorb and irradiate light. Its potential uses and applications can be huge. The construction industry is emerging and one of the main trends is the move towards a more resource and energy efficient way of creating structures. The researcher claimed a few of the broad applications that are outstanding to be architectural market facades, swimming pools, bathrooms, kitchens, parking lots, etc. It would also be useful in road safety and road signs, in the energy sector such as oil platforms, and anywhere you want to illuminate or mark spaces that don't have access to electricity since it doesn't require any electrical distribution system and is recharged only with light. By using additives, the crystal formation during cement production is prevented, creating a material with non crystalline nature like glass, that allows the passage of light.



The durability of light emitting cement is estimated to be greater than 100 years thanks to its inorganic nature, (when compared with other phosphorescent materials such as plastics and paints) and its material components are easily recyclable. We generally want light to penetrate a material up to a certain level in which case Portland cement will not allow the penetration of light. The science behind this cement is that the process takes place as a result of Poly Condensation of raw materials such as river sand, industrial waste, silica, water and alkali. The process is done at room temperature which is why the energy usage is very low. In short we now have a smart cement! And to go back to charging, it makes use of natural or artificial light, creating hopes to offer a new light and thermal functions to the world's most used construction element to reduce the energy consumption by generated by current light and thermal systems.



AUX GRANDS HOMMES LA PATRIE RECONNAISSANT



CARBON FIBRE Balsa



A team of researchers at Harvard University have managed to create cellular composite materials of unprecedented light weight and stiffness that could replace Balsa Wood. Balsa wood has a cellular architecture that minimizes its weight since most of the space is empty and only the cell walls carry the load, thereby justifying the fact that it has high specific stiffness and strength. Fibre-reinforced epoxy based thermosetting resins and 3D extrusion printing techniques have been used to create the synthetic replacement. Because of their mechanical properties and the fine scale control of fabrication, the researcher says these new materials mimic and improve on balsa, and even the best commercial 3D-printed polymers and polymer composites available. The researcher used these methods to create a honeycomb effect in carbon-fibre epoxy materials.



This was indeed achieved by developing inks of epoxy resins, spiked with viscosity-enhancing nano-clay platelets and a compound called dimethyl methylphosphonate and then adding two types of fillers: tiny silicon carbide whiskers and discrete carbon fibres. Carbon fibre material is composed of carbon atoms bonded together to form a long chain. The fibres are extremely stiff, strong and light and are used in many processes to create excellent building materials. It comes in variety of raw building blocks, including yarns, weaves, braids, etc. which are in turn used to create composite parts. Also carbon fibres have high strength to weight ratio and high stiffness to weight ratio as well. Additionally carbon fibres also yield a good surface finish. So the end result on producing this kind of composite is to completely replace balsa wood retaining similar potentialities. Not only would it be cheaper, but also eliminates the problems the wood has with irregular grains that make it difficult to use in precision structures.





TOP TEN TALLEST BUILDINGS UNDER CONSTRUCTION

In the race to build vertically, Asia has a commanding lead

bin Talal, but because it was designed by Adrian Smith.

Frank Lloyd Wright once proposed The Illinois, a mile-high skyscraper set on the shore of Lake Michigan in Chicago, a towering giant of a building powered by atomic elevators. It's clear symbol of the current race to raise skylines around the world that Wright's vision from the '50s, yet to be realized, is coming closer and closer to reality.



Developments in building technology and a surfeit of construction projects in Asia makes the title of tallest building more temporary than ever; only one of the buildings on this list of the ten tallest in waiting are in North America, and half of them will eventually eclipse the height of One World Trade Centre

An architect whose career highlights include the Hancock Center and Burj Khalifa, Smith designed the Jeddah Tower to be the next iteration of the Burj, a shard of steel and glass that, in its triangular shape, recalls a palm about to spread its fronds. The centrepiece of a new suburb, this skyscraper will shatter records, offer sightseers a perch on the 157th story (site of a proposed helipad), and even showcase an entirely new type of elevator, speedy double-decker cabins swept between floors by a new carbon fibre cord.

This list contains the tallest under construction based on data from the Council on Tall Buildings and Urban Habitat.

Jeddah Tower (Jeddah, Saudi Arabia: 3,281 feet, estimated completion 2021):

This skyscraper is likely to become the first to break the one kilometer mark, not merely because it's already under construction and supported by the deep pockets of billionaire Saudi Prince Alwaleed

Perhaps more incredible is that building was meant to be a mile



high, but engineers discovered that the surrounding geology unsuitable to support such a structure.

Merdeka PNB118 (Kuala Lumpur, Malaysia: 2,113 feet, estimated completion 2021):



dome to reduce wind resistance. The entire structure, from the grand lobbies to the corners fashioned in curved glass, present a fluid profile, reducing the building's material footprint. To add an additional air of exclusivity, the summit of this multi-use super tall will include a private member's club.

Property developers are hoping this crystalline tower becomes as much of a catalyst for the city as César Pelli's Petronas Towers, still the tallest twin structures in the world. This is a massive project for Australian firm Fender Katsalidis Architects, which has been attached to a series of tall towers in Melbourne.

Wuhan Greenland Center (Wuhan, China: 2,087 feet, estimated completion 2019):

Another project being overseen by the firm of Adrian Smith + Gordon Gill Architecture, this in-the-works tower in central China offers a unique, curved profile, a tripod shape that tapers and forms a

Grand Rama 9 Tower (Bangkok, Thailand: 2,018 feet, estimated completion 2021):

A symbol of recent developments in the Thai capital, like the under-construction transit lines connecting outlying areas to the central business district, this super-tall building will be an exclamation point on Bangkok's continued growth as a regional hub. Named after a famous Thai king, the future landmark, which will be south east Asia's tallest building, will include a six-star hotel and become a highlight of the city center, which



features a master plan by Skidmore, Owings & Merrill.



Tianjin CTF Finance Centre (Tianjin, China: 1,739 feet, estimated completion 2020):

Global Financial Center Tower 1 (Shenyeng, China: 1,864 feet, estimated completion 2020):

Nicknamed the *Pearl of the North*, the 111-story, mixed-use skyscraper will feature a circular inset towards the apex as well as a luxury auto showroom towards the top floor and a smaller sister tower, both designed by *Atkins*.

Set in the Golden Corridor in the city's central business district, the tower also makes a nod towards regional history; the canopies were designed to resemble the tents of the Qing Dynasty.



Designed by Skidmore, Owings & Merrill to meet LEED Gold

AUX GRANDS HOMMES LA PATRIE RECONNAIT



standards, this gently sloping tower features a crystallized facade that accentuates the curves of the building's frame. There's rhyme and reason to those subtle bends and arches: along with strategically placed vents, the shape reduces "vortex shedding," which sharply decreases the wind forces impacting the tower.

China Zun Tower (Beijing, China: 1,732 feet, estimated completion 2018):



Modelled after a ceremonial "zun" vessel, a bronze or ceramic design meant to hold wine, this gently curving tower will soon rise over the

new extension of Beijing's central business district. Designed by the international architecture firm *Farrells*, with engineering help by *Arup* and *KPF* serving as design and executive architect, the unique, concave tower, split between office space, private club and an observation deck, provides additional high-rent space on the top floors and a dramatic lobby entrance on the ground floor.

In addition to claiming the title of China's tallest building, *the Zun* will also be the tallest structure in a high seismic zone when it is finished, relying on steel-concrete composite braces and a solid concrete core for stability.

Skyfame Center Landmark Tower (Nanning, China: 1,732 feet, estimated completion 2021):





Also known as the *Tianyu Tower*, this 108-story project hasn't released many official details, despite being on the CTBUH list. Some commenter's on an older Skyscraper City discussion page where this photo was sourced have noted the building is named after the developer.

Central Park Tower (New York City, USA: 1,550 feet, estimated completion 2020)



Evergrande International (Hefei, China: 1,699 feet, estimated completion 2021):

Originally designed by *Atkins*, with *Thornton Tomasetti* working as structural engineer, this unique tower mimics the contours of bamboo, with seven vertical sections set to utilize a "core-outrigger system." The mixed-use structure will be the centerpiece of the central business district in *Hefei*, a city in east-central China.



A rare U.S. structure to crack the top ten list, this forthcoming addition to Billionaire's Row in Manhattan, another *Adrian Smith + Gordon Gill* design, has been the subject of speculation, especially over the highly anticipated additions to the city's high-end residential market. According to a recent report in *Curbed New York*, the developer, reports suggest developer Extell will price 20 of the condos at \$60 million or more.

- *Source- Council of Tall Buildings and Urban Habitat*

DEPARTMENT ACTIVITIES



STUDENT ACHIEVEMENTS



The Department takes immense pride in announcing the following students for their achievements.

- ✚ **Gavin Joseph and Nivedha Devi S.** From Final Year – A Section, bagged the **Second Prize** in Stream – II of IQuest 18 Competition Conducted by APJ Abdul Kalam Innovative Project Cell of REC, for their work on **“DEVELOPMENT of URBAN HOUSING with FOAMED LIGHT WEIGHT HEMP CONCRETE BLOCKS”**.
- ✚ **Hemalatha S. and Akshayaa P.** From Final Year – A Section, bagged the Third Prize in Core Skill Development Contest Conducted by REC, for their work on **“GEOGRID REINFORCEMENT in AERATED CONCRETE”**.
- ✚ **Hemalatha S. and Akshayaa P.** From Final Year – A Section, received the BEST PAPER Award in the **“International Conference on Recent Innovation in Civil Engineering and Management”** organized at Loyola Institute of Technology conducted on 22nd March 2018, for their topic, **“GEOGRID REINFORCEMENT in AERATED CONCRETE”**.
- ✚ **Subhashini I., Tejasri G., Nithyasri S.** From Third Year – B Section, bagged the Second Prize in INSTRUOFETE'18, a National Level Technical Symposium, for Paper Presentation on **“NEW TRENDS in STRUCTURAL ENGINEERING”**, conducted on 28th February 2018.



The Department takes immense pride in announcing the achievement of Civil Department Teams in various sport events on the Sports Day conducted on 17th March 2018.




✚ Football	–	Winners
✚ Basketball	–	Runners
✚ Ball Badminton	–	Runners
✚ Volleyball	–	Runners
✚ Long Jump	–	Winner
✚ Shotput	–	Winner
✚ Chess	–	Winner
✚ Handball	–	Runners

INTER COLLEGIATE TOURNAMENT – ACHEIEVEMENT
DETAILS



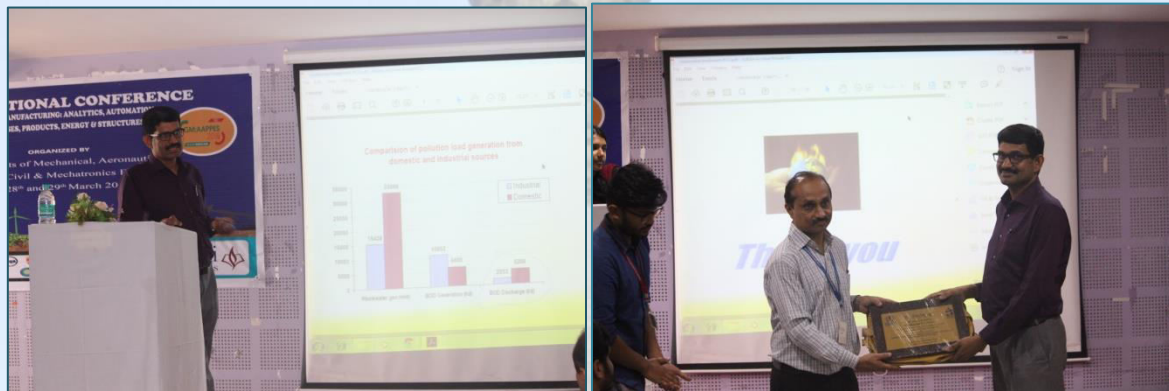
Students Name	Year and Section	Name of Sport and Event	Place of Event	Date
A.Bharathi Agilan	I Year A Section	Runner-up in State Level Tournament, Volleyball Women	VIT, Vellore	12 th Feb to 14 th Feb
A.A. Divya Bharathi	I Year A Section	Title winner in State level inter collegiate Throw Ball tournament	MNM Jain Engineering College	28 th Feb to 1 st March
A.Kishore kumar D.Kamalesh P.Ajayraj	I Year A Section	Title Winner in Tamil Nadu Independence Day trophy, Throw Ball	Tamil Nadu Throw Ball Association	9 th Feb to 11 th Feb
B. Suresh babu	III Year B Section	Throw Ball (Men)		
A. Jagadeesh	IV Year A Section	Title Winner in State Level Inter collegiate tournament Football (Men)	Alpha Arts and Science College	27 th Feb to 1 st March
K. Sathish Kumar	IV Year B Section	Title Winner in State Level Inter collegiate tournament Cricket (Men)	Sri Venkateswara College of Engineering	20 th Feb to 25 th Feb
K. Vetrivel	III Year B Section	3 rd Place in CIT Parthasarathy Memorial Trophy Ball Badminton	Chennai Institute of Technology	10 th Jan to 11 th Jan

HONOURS TO FACULTY

-  *Dr. S. Geetha, Professor of Civil Dept, had delivered the keynote address and chaired a session in National Conference, “Quest for Advancements in Civil Engineering” held on 23rd March 2018 at SRM IST, Ramapuram Campus.*
-  *Dr. S. Geetha, Professor of Civil Dept, has been selected as the Editorial Advisory Board for the Journal “Innovations in Corrosion and Materials Science” of Bentham Science Publishers.*
-  *Mr. J. Jasper Daniel (AP) and Mrs. K. Divya Susanna (AP) were given BEST FACULTY award as token of appreciation to their effective teaching on the occasion of COLLEGE DAY’ 2018 (23rd March 2018).*

EVENTS ORGANIZED

The semester was graced with the International conference on **“GREEN MANUFACTURING: Analytics, Automation, Processes, Products, Energy and Structures (GM: AAPPES’2018)”** jointly organized by Mechanical, Civil, Aeronautical, Automobile and Mechatronics Engineering scheduled between **28th and 29th of March 2018**. The conference was grandly inaugurated with **Dr. TONY A. MACIEJEWSKI**, Professor and Head, Department of Electrical & Computer Engineering, Colorado State University, USA as the Chief Guest.



The First session of Civil started with a Key Note Speech by **Dr. P. C. Sabumon**, Professor, Environmental, Water Resources & Transportation Engineering Division, School of Mechanical and Building Sciences, VIT University (Chennai campus). There were participants from various institutions presenting on diversified topics in civil engineering. Our students were also a part of it.

The details of papers presented by staff and students with proceedings page No are:

NAME OF THE STAFF/STUDENT	Page no.	TOPIC OF PRESENTATION
Dr.S.Geetha, Dr.M.Selvakumar	136	Treatment of grey water
A.J.Jeyarthi, Santhosh sha E. And Surander S.M.	143	Experimental investigation on self compacting concrete with nano silica
Dr.S.Geetha, Dr.M.Selvakumar Sirpiga M.	149	Properties of concrete with machining waste as fine aggregate replacement
M.Manoharan K., Jayakumar and G. Thiyagarajan	151	Study on utilization of rubber waste in construction of flexible pavement
S.Premkumar, L. Ajmal Ahamed and L.K.Mohamed Ahil	148	Experimental investigation of glass wool in concrete
N.Mahamood Ul Hasan, Praveen M.	152	Study on strength behaviour of concrete by using recron fibres



And Praveen kumar R.		
Gayathri S.	137	Geocell in geotechnical engineering
Dr.M.Selvakumar Jayabalan P	138	Design of drinking water treatment plant for rural communities
S.Muthulakshmi, Mahalakshmi V and M. Arshad Gani	139	Correlation of soaked CBR with dry density and unsoaked CBR values
Dr.S.Geetha, R.Madhavaperumal, Nivedha devi S. and Gavin Joseph G.	140	Development of urban housing using foamed light weight hemp concrete blocks
S.Premkumar, Ashwin Kamalakannan K. And Nishwanth V.	141	Experimental investigation of automobile wastewater on concrete
S.Muthulakshmi, S. Revathy	20	Experimental study on strength improvement of soil using GGBS and lime
D. Revathi	121	Study on properties of Foam concrete using Mineral Admixtures and Polypropylene fibres
Divya sussanna K., Priya M	124	Study on partial replacement of fine aggregate with foundry sand and cement by cow dung ash in concrete
Divya sussanna K., Rahul Sridhar and Viswanathan P N	126	Study on strength properties of light weight concrete using EPS beads
Karthik.E.S., Ponnambalam S and Rakshith S	127	Study on resin mortar using glass powder as partial replacement of fine aggregates
A.J.Jeyarthi, Shwetha R and Suhas CR	142	Experimental investigation of optimum mix proportion and strength characteristics of geopolymer concrete
N.Aanandh, Arun vellayan C and Raja C	144	Experimental study on concrete prepared with latex admixture
N.Aanandh, Alex pandian M.	145	experimental study on mortar using resin as binding material and partial replacement of sand with copper slag
Dr.S.Geetha, Dr.M.Selvakumar, Surekha A. And Vinodhini P.	150	Study on properties of concrete with phoshogypsum and carbon fibres
Dr. M. Selvakumar, Rameez Mohamed N.M.	155	Landfill leachate treatment using sintered flyash bricks and zeolite adsorbent



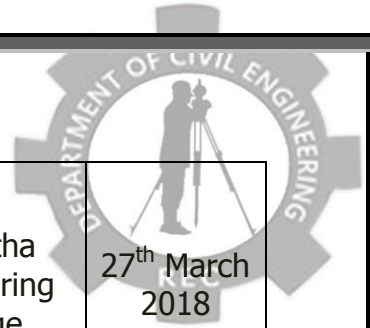
“BEST PAPER AWARD”

AUX GRANDS HOMMES LA PATRIE RECONNAIT

PAPERS PRESENTED IN CONFERENCES



AUTHOR/CO-AUTHOR	TITLE OF TOPIC	NAME OF CONFERENCE	HOSTED BY	DATE
Dr. S. Geetha, Sirpiga M.	Potential use of Machining waste as a substitute for fine aggregate in concrete	National conference on Advances in Civil Engineering	SSN College of Engineering	1 st March 2018
S. Muthulakshmi, Mithun R., Kamalesh V.	An experimental study on soil strength enhancement using geosynthetics	National conference on emerging trends in science engineering and technology	Jerusalem college of engineering	16 th March 2018
Dr. S. Geetha and Dr. M. Selvakumar	Graphene oxide admixed aerated concrete composite with carbon fibres	8 th International conference on material processing and characterization	Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad, Telangana	16 th March to 18 th March 2018
S. Muthulakshmi, Kamalesh V., Padmesh P. M.	Estimation of soaked CBR values of silty clay soil based on its compaction characteristics	National conference on latest innovations in civil engineering	St.peters institute of higher education and research	20 th March 2018
Victor Sagayraj U. and Rahul Raja S.	Retrofitting of RC Beams using CFRP	National conference on recent innovation in civil engineering	Saveetha Engineering College	27 th March 2018



P.Akshaya, S.Hemalatta & Dr.S.Geetha	Geogrid Reinforcement in Aerated Concrete	National conference on recent innovation in civil engineering	Saveetha Engineering College	27 th March 2018
P.Akshaya, S.Hemalatta & Dr.S.Geetha	Flexural Behaviour of Geogrid Reinforced Aerated Concrete (Best Paper Award)	International conference on recent innovation in civil engineering & Management	Loyola Institute of Technology	22 nd March 2018

EVENTS PARTICIPATED BY STUDENTS

Name of the Student	Year and Section	Name of the Event	Organized by	Hosted by	Date of the Event
Rameez Mohamed N M	III Year B Section	Paper Presentation on Seed The Future – Save the Farmers	Kingdom of Takshashila	Chennai Institute of Technology	2 nd February 2018
Annamalai M.	III Year A Section	Workshop (Civilisation'18) on Construction & Project Management	Society of Civil Engineers	Anna University, Chennai	8 th March 2018
Arjun Shishir Bajjuri					
Chandra Mohan K.					
Hariharan B.					
Koushik S.					
Akash K.		Workshop (Civilisation'18) on Cable Stayed Bridges			9 th March 2018
Bharadwaj Balaji K.					
Harish D.					
Sathyashriya S.	II Year	Workshop on Dam Designing and Simulation	Anna University, Chennai	Anna University, Chennai	2 nd February 2018
Sithrubi T.					
Sneha Kasturi Rangan					
Rashmi R					
Anjali Kumari Shaw B	II Year	Certification course on Introduction to Sustainable	En3 – Green Building and LEED Consultant	Rajalakshmi Engineering College	5 th to 7 th March 2018
Chandrsekhar K					
Korra Sathyapriya					



Sneha Kasturi Rangan		Buildings and LEED v4 Rating Systems			
Sakthi T					
Sathyashriya K					
Yogesh v.	II Year B Section	Prabandha, debate, bim workshop, modelling, quiz, bon auto routier	CEA FEST'18	IIT MADRAS	2 nd March to 4 th March
Yashwanth Sathya Narayanan P K					
Tharun varshan					
Yamini g.					
Yogesh v.					

GUEST LECTURES

- *Dr. T. Ch. Madhavi, Professor & Head, SRM University, gave a Guest Lecture on "Corrosion Protection Methods" to the Final Year Students on 8th February 2018.*
- *Krishna Kumar G., Assistant Manager (Design), Infrastructure Leasing and Finance Limited, gave a Guest Lecture on "Precast Scenario in India" to the Final Year Students on 21st February 2018.*
- *Dr. S. Sudhakar, Professor, RMK Engineering College, gave a Guest Lecture on "Shear Strength of Soil" to the Second Year Students on 8th March 2018.*

INDUSTRIAL VISITS

ORGANIZATION	SECTOR	ACADEMIC YEARS	DATE
Kamarajar Port Limited	Government Sector	III - A & B	13 th Feb 18
RANIPET Common Effluent Treatment Plant, Walajapet, Vellore	Private	III - A & B	9 th Jan 18
Pidilite Industrial Ltd, Gopalapuram	Private	IV - B	24 th Jan 18
RANITEC Common Effluent Treatment Plant, Walajapet, Vellore	Private	III - A & B	9 th Jan 18
Pidilite Industrial Ltd, Gopalapuram	Private	IV - A	23 rd Jan 18
Grundfos Pumps India Pvt. Ltd.	Private	II - A & B	23 rd Mar 18

JOURNAL PUBLICATIONS BY FACULTY



- ✚ *Yugasini S., Ramya E., Stella S. published a paper titled, “Experimental study on thermal performance of hollow weathering roof tiles with alternative materials”, (March 2018) in International journal of innovations in engineering and technology (IJJET), Vol. 09, Issue 04.*
- ✚ *R. Madhava perumal, A. J. Jeyarthi, S. Premkumar, N. Mahamoodulhasan published a paper titled, “Performance management and performance indicators in construction industry”, (March 2018) in International journal of engineering and techniques (IJET), Vol. 04, Issue 02.*
- ✚ *Dr. S. Geetha, Dr. M. Selvakumar published a paper titled, “Fiber reinforced lightweight composite reinforced with geogrid for wall panels”, (March 2018) in Materials Today, Elsevier, Vol. 05.*

INDUSTRY-INSTITUTE INTERACTION

Industry Interacted	Faculty Involved	Official Interacted with	Purpose	Date
PWD, Chepauk	Mr. S. Premkumar, Mr. M. Ammaiappan	Mr. P. V. Srinivasa Rao, Executive Engineer	Testing of Cement, Aggregates and Soil	22 nd March 2018
REC Construction Department	Dr. S. Geetha,	Mr. Sathya Narayanan, Senior Project Manager	Structural Design & Detailing of Boys Hostel – I Extension	10 th March 2018

EDITORIAL BOARD MEMBERS

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- *MOHAN RAM KUMAR.R, III Yr B Sec*
- *NAVEENA. R III Yr B Sec*
- *ALWYN Y .A, III Yr A Sec*
- *RAMEEZ MOHAMED. N M, III Yr B Sec*

FOR SUGGESTIONS AND FEEDBACK

Please mail us to [civilozine @rajalakshmi.edu.in](mailto:civilozine@rajalakshmi.edu.in)