



Sub Tab 7: Co-curricular Activities-

Project Brief:

A) Name of Project: Transparent concrete as a green material (2017-18)

B) Abstract (Brief): Translucent concrete (also: light-transmitting concrete) is a concrete based building material with light-transmissive properties due to embedded light optical elements usually optical fibers. Light is conducted through the stone from one end to the other. While the transparent concrete mainly focuses on "transparent" and its application object is art design. Therefore it is imperative to develop a new functional material to satisfy the structure safety monitoring (such as damage detection, fire warning), environmental protection and energy saving and artistic modeling. When many buildings are stacked close to each other, there is not much natural sunlight passing through and the importance of natural sunlight is pretty well known. In fact, 50% day lighting is a mandatory requirement in a green building according to (IGBC) Indian Green Building Council accounting for 3 credits. Translucent concrete comes in as a blessing solution for easier day lighting. In this project the optical fibers are used with normal concrete block.

C) Past achievement: NIL

D) Student Team members:

1. Gadhge Pandurang
2. Thange Sanket
3. Kamthe Amol
4. Akotkar Atul
5. Nikhil Bhasse

E) Photos



Vibration Table

Current Year Project List (2019-20)

| Sr No. | Group ID | Name of Student | Topic Name | Alloted Guide |
|--------|----------|--------------------|-----------------------------------------------------------------------------------------|---------------------|
| 1 | BECE/01 | GHODKE ANUJA VIJAY | Study of Impact of small to medium construction sites on Environment and its assesment. | Prof.Prachi Samarth |
| | | THOKE RIDDHI B | | |
| | | PATIL REWATI VILAS | | |
| | | | | |
| 2 | BECE/02 | ADSULE NISHA N | Treatment of grey water by using filter media in wall pannel | Prof.H.H.Ahire |
| | | DHANDE DIVYA R | | |
| | | CHAVAN SUSHMA V | | |
| | | UJJWAL RAJ | | |
| | | VIJAY RAWAT | | |
| 2 | BECE/03 | SHERKAR GANESH A | Use of plastic waste in flexible pavenent | Prof.T.V.Kulkarni |
| | | JOSHI SANKET | | |
| | | SANTOSH | | |



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|---|---------|----------------------|-----------------------------------------------------------------------------------------------|--------------------|
| | | NALAGE ROHIT VIJAY | | |
| | | REWALE ASHISH ANANT | | |
| | | MORE VIRAJ S | | |
| 4 | BECE/04 | HIMANSHU PATIL | Self compacting concrete by using High dense aggregate | Prof.A.N.Patil |
| | | KHILLARE MUKUND B | | |
| | | DONGARE RAJESH B | | |
| | | | | |
| 5 | BECE/05 | KANKAL ASHUTOSH B | A Proposed plan for reduction of slope and alignment design from Somatane Phata to Limb Phata | Prof.U.R.Saharkar |
| | | NAIK ANIKET G | | |
| | | SHIRSATH SIDDHANT D | | |
| | | GAIKWAD KIRAN S | | |
| | | HARSHVARDHAN U PATIL | | |
| 6 | BECE/06 | SAWANT PRATHAMESH | Generation of Energy from flowing water using vortex turbine | Prof.A.N.Patil |
| | | VINAYAK BHADKAMKAR | | |
| | | AKSHAY WAGHMARE | | |
| | | NIKHIL LENDHE | | |
| | | SHUBHAM JAIN | | |
| 7 | BECE/07 | SHRIRAM NARNALE | Effect of intermittent curing on concrete | Prof.V.N.Nimbalkar |
| | | BHOSLE SOURABH | | |
| | | BANSODE OM | | |
| | | WAKCHAURE ISHWAR A | | |
| | | | | |
| 8 | BECE/08 | AKASH LONDHE S. | Study and analysis of polypropylene reinforced concrete. | Prof.P.M.Pawar |
| | | ASHISH MORE B. | | |
| | | DEEPAK TAMORE B. | | |
| | | ABHISHEK NAGARE B. | | |
| | | | | |
| 9 | BECE/09 | WABLE VINAY | Manufacturing of bricks from plastic waste. | Prof.V.D.Sheware |
| | | WAHTULE EKNATH | | |
| | | DOIJAD VINAYAK | | |
| | | AHIRE KALPESH | | |



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|----|---------|-------------------|----------------------------------------------------------------------------------------------------|--------------------|
| | | SOPIYA DRABOO | | |
| 10 | BECE/10 | THADKE RITESH | A Praposed real estate management through GIS for SPPU | Prof.U.R.Saharkar |
| | | BHOLE DEVANG | | |
| | | UMER FAROUE | | |
| | | BHALERAO RITU | | |
| | | | | |
| 11 | BECE/11 | PATIL KAJAL | Transport and mobility solution for pedestrian problems at Dharmraj Chowk | Prof.H.H.Ahire |
| | | GOURI KSHIRSAGAR | | |
| | | SHAIKH SARFARAZ | | |
| | | PATIL KALPESH | | |
| | | | | |
| 12 | BECE/12 | SHIRSAT VAIBHAV | Development of drought prone Area | Prof.A.N.Patil |
| | | DHANANJAY BANEWAR | | |
| | | HULAWALE SONALI | | |
| | | MAHESH GHIRHE | | |
| | | | | |
| 13 | BECE/13 | PRAJAPATI ANAND | Study on effect of lataral load on precast slab to beam connection in multy storey steel structure | Prof.G.D.Indurkar |
| | | SAURAV PANDE | | |
| | | SHUBHAM BORKAR | | |
| | | DEEPAK KUMAR | | |
| | | NITIN KUMAR SINGH | | |
| | | | | |
| 14 | BECE/14 | AMBHURE NAMDEV | RCC model of bridge deck slab | Dr.S.K.Kulkarni |
| | | SHINDE SANKET | | |
| | | TIDKE AMAN | | |
| | | NIRMAL AMOL | | |
| | | PHADTARE TUSHAR | | |
| | | | | |
| 15 | BECE/15 | GAIKWAD PRAFULLA | Water Resource Management | Prof. U.R.Saharkar |
| | | JHA JAWAHARLAL | | |
| | | SHINDE BHUSHAN | | |
| | | | | |
| 16 | BECE/16 | YASH KANANI | Study and Analysis of different types of formwork | Prof.G.D.Indurkar |



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| 17 | BECE/17 | BHAPKAR NITIN DILIP | Experimental study on effect of glass fiber in glass powder concrete | Prof. Puneet Upadhye |
| | | PUJARI SUMIT DNYANOBA | | |
| | | SUMIT KONDE | | |
| | | YADAV ASHISH NARENDRA | | |
| 18 | BECE/18 | BHOR PRAJAKTA RAMDAS | Traffic volume study and congestion solution for Chakan chowk - Pune | Prof. Asavari Patil |
| | | JAMBHULKAR ASHWINI PURUSHOTTAM | | |
| | | PATIL VEERENDRA BHAUSAHEB | | |
| | | TELANG PARMESHWAR NAGORAO | | |
| 19 | BECE/19 | BHISE SANGITA YUVRAJ | Comparative study on design of culverts by using different codes | Prof. Puneet Upadhye |
| | | MALI POOJA TULSHIDAS | | |
| | | SHINDE MADHURI TUKARAM | | |
| | | VALAMPALLE NIKITA VITTHAL | | |
| 20 | BECE/20 | BIDAVE MAHESHANKAR SOMNATH | Case study on design of Samruddhi super communication expressway (Package no. 9 Aurangabad) | Prof. Abhishek Nimbekar |
| | | NARKHEDE MOHIT PRADIP | | Prof. Abhishek Nimbekar |
| | | PARGE KUNAL | | |
| | | PAWAR RANJEET RAVINDRA | | |
| 21 | BECE/21 | AMIT NIKAM | A study on application of geosynthesis | Prof. Vikas Mane |
| | | CHITTE VIDYADHAR | | |
| | | KUMAR RAJNIKANT LAKSHMI | | |
| | | PUYAD SHYAMSUNDAR ANANDA | | |
| 22 | BECE/22 | BALORGI MUSTAFA ASHPAK | Reactive powder concrete | Prof. Sawti Sanap |



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| | | PATIL YOGESHWAR SUDHAKAR | | |
| | | RISHABH SINGH | | |
| | | BANE MITESH NARAYAN | | |
| 23 | BECE/23 | DHAVLE CHETAN MANOHAR | Use of waste plastic and waste rubber to repair potholes | Prof. Abhishek Nimbekar |
| | | GANGA SAGAR SINGH | | |
| | | KARPE SURESH HARIBHAU | | |
| | | KENY NITYAJEET KUNDAN | | |
| 24 | BECE/24 | ANAND ANKITA SATISH KUMAR | Nylon as a rotating barrier material to boost safety | Prof. Asavari Patil |
| | | KUMBHAR JITENDRA GULZARILAL | | |
| | | MD ARIF ANSARI | | |
| | | QURESHI TANVEER GULMEER | | |
| 25 | BECE/25 | BADGUJAR SHUBHAM HEMANT | Solid waste management | Prof. Yuvraj Kshirsagar |
| | | DARANALWAR SAIKIRAN SIDRAM | | |
| | | DUKARE PAURAS VILAS | | |
| | | HOLKAR CHAITANYA ANKUSH | | |
| 26 | BECE/26 | DARAK KRISHNA SURESHCHANDRA | Supply of excess water to drought area proposed for Kolhapur to Sangola | Prof. Yuvraj Kshirsagar |
| | | PATEL ABHISHEK VILAS | | |
| | | PAWAR SURAJ VASNAT | | |
| | | SAWANT GAURAV | | |



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| 27 | BECE/27 | CHAUDHARI NIKHIL DILIP | Traffic congestion solution for Talegaon-Chakan road | Prof. Sudhir Shinde |
| | | SAWANT GANESH HANUMANT | | |
| | | PAROLEKAR YASH NARENDRA | | |
| | | SONAWANE BHAVESH GOKUL | | |
| 28 | BECE/28 | BANUR MANISHA VIJAY | Treatment of domestic waste water by using wall mount filter media | Prof. Yuvraj Kshirsagar |
| | | BAVISKAR TEJAS ANIL | | |
| | | LOKHANDE ASHAY SATISH | | |
| | | PAPALKAR SAISHRIRANG SATISH | | |
| 29 | BECE/29 | KADAM SANGRAM | Case study on recycled aggregate concrete | Prof. Vikas Mane |
| | | KHOMANE SANGRAM DILIP | | |
| | | LONDHE PRASHANT SHIVAJI | | |
| | | MANE NIKHIL VILAS | | |
| 30 | BECE/30 | ROHAN DAVAL | Case study on real estate regulatory act 2016 | Prof. Vikas Mane |
| | | SAWARDEKAR VISHAL DATTARAM | | |
| | | SHIGAWAN ABHISHEK GUNAJI | | |
| | | BHORE VISHAL | | |
| 31 | BECE/31 | ROHIT RAMACHANDRA MAGADUM | A case study of smart study project | Prof. Gauri Jewalikar |
| | | THOMBARE VISHWANATH MAHADEO | | |
| | | BARBADE AKSHAY CHANDRAKANT | | |
| | | DEWADE MAHESH MUKUND | | |



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|----|---------|----------------------------------|-----------------------------------------------------------------|--------------------------|
| 32 | BECE/32 | ROTHOD PRITHVIRAJ MANOJ | Use of waste plastic as coarse aggregate | Prof. Gauri Jewalikar |
| | | SHRISHRIMAL JAYESH KAMALCHAND | | |
| | | PATIL BHUSHAN VIJAY | | |
| | | PATIL SACHIN ANIL | | |
| 33 | BECE/33 | MADHALE ANAMIKA SHIVRAM | Collection of floating material using bandlog litter trap | Prof. Sawti Sanap |
| | | OHAL ARCHANA | | |
| 34 | BECE/34 | SONTAKE POONAM NAVANATH | Case study on waste management in slums | Prof. Sudhir Shinde |
| | | SOURABH SURENDRA CHOURE | | |
| | | GAIKWAD VAIBHAVI HARI | | |
| | | GAIKWAD DUSHYANT HINDURAO | | |