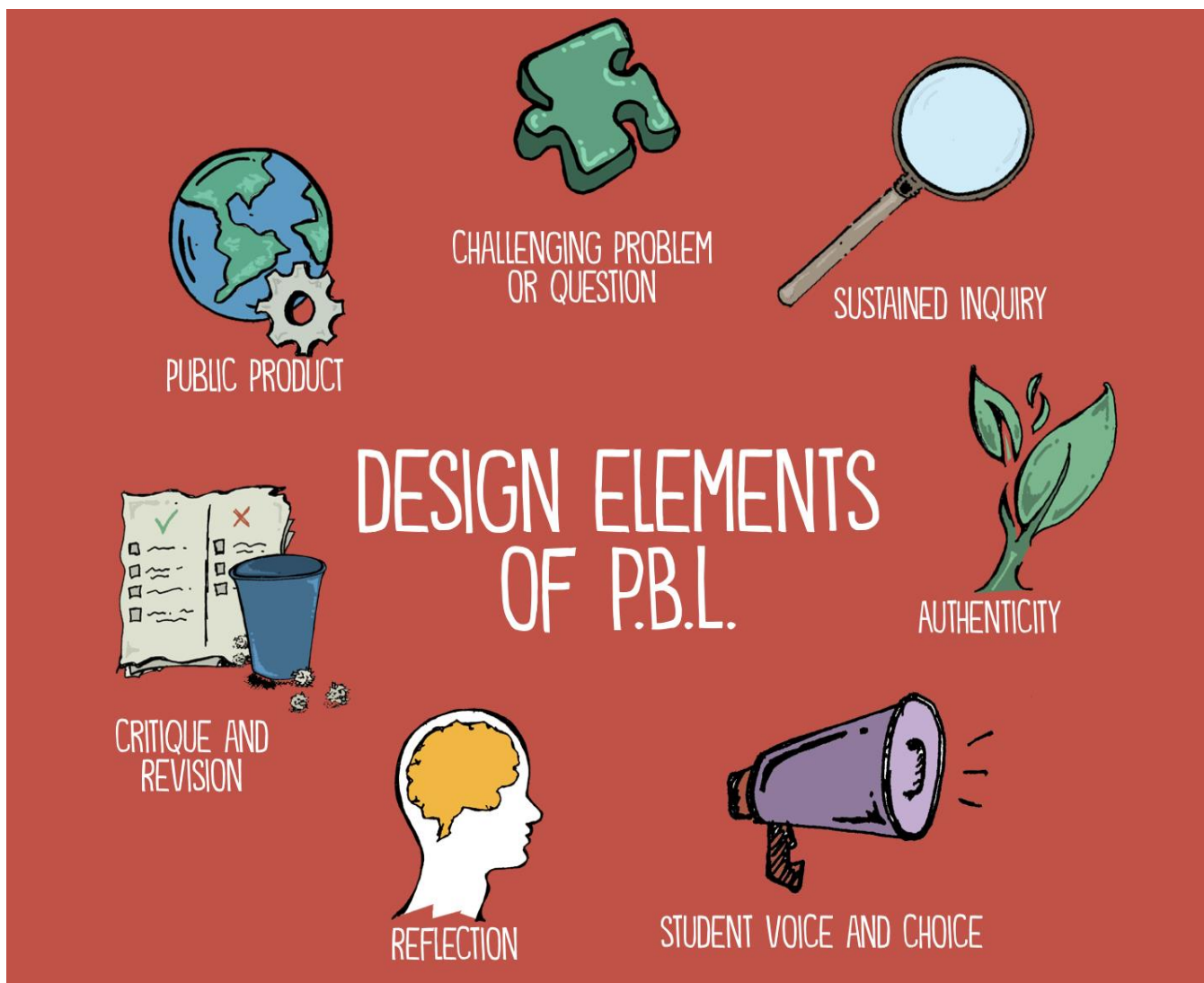




**BMS** INSTITUTE OF TECHNOLOGY AND MANAGEMENT  
YELAHANKA BANGALORE-560064  
DEPARTMENT OF CIVIL ENGINEERING

## PROJECT BASED LEARNING (PBL) 2018-19



## VISION

To be an Exemplary Centre, disseminating quality education and developing technically competent civil engineers with professional integrity for the betterment of society

## MISSION

1. To impart technical proficiency through state of art infrastructure and committed faculty
2. To provide practical exposure through research, industry- interaction and motivate entrepreneurship to cater societal needs.
3. To inculcate leadership skills & professional ethics through curricular and co-curricular activities.

## PROGRAM OUTCOMES

1. **Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct Investigations of Complex Problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern Tool Usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and

modeling to complex engineering activities with an understanding of the limitations.

6. **The Engineer and Society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and Sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and Teamwork:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project Management and Finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long Learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

## PROGRAM SPECIFIC OUTCOMES

1. Identify & address the challenges in transportation, sanitation, waste management, and urban flooding in metropolitan cities.
2. Provide solutions related to civil engineering built environment through multidisciplinary approach.

**Project Based Learning** is a teaching method in which students gains knowledge and skills by working for an extended period to investigate and respond to an authentic, engaging and complex questioning, problem, or challenge.



## Index

<b>Year</b>	<b>Semester</b>	<b>Total PBL Projects</b>	<b>Page</b>
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### 2018 – 19 EVEN SEMESTER

**Department of Civil** proudly hosted 2018-19 Even Semester's Project Based Learning encompassing 34 projects in various fields of Civil Engineering

**This edition of PBL focused on topics like:**

- ❖ Special concrete,
- ❖ Earthquake resistant structures,
- ❖ Waste management,
- ❖ Smart devices.

## IV SEMESTER PBL LIST

SL No.	STUDENT NAME	USN	FACULTY NAME	PROJECT TITLE
1	VIKAS C	1BY17CV061	Mr. Vinod B R	Circular runway
2	DARSHAN J	1BY18CV401		
3	HARI PRAKASH	1BY18CV404		
4	PRAVEEN KUMAR S	1BY18CV407		
5	R PRAJWAL	1BY17CV041	Mrs. Shobha R	Vertical car parking and bascule bridge using principles of hydraulics
6	SHEHBAZ MOHAMMED	1BY17CV050		
7	SURYA KUMAR N A	1BY17CV055		
8	SURYAVAMSHI N A	1BY17CV056		
9	RAGHAVENDRA G	1BY17CV042	Mr. Manish S D	Pervious concrete
10	SANJU S P	1BY17CV048		
11	GAURAV B R	1BY17CV019		
12	CHANDANA N SWAMY	1BY17CV016		
13	MOHAN KUMAR	1BY18CV406	Mrs. Shobha R	Floating bridge
14	R PAVAN REDDY	1BY17CV040		
15	SANJAYA M	1BY18CV408		
16	DARSHAN KUMAR P R	1BY18CV402		
17	MALAPPA	1BY18CV405	Mrs. Archana K	Decentralized waste water treatment system
18	ANUSHA P PRABHU	1BY17CV011		
19	SHUBHASHREE G R	1BY17CV052		
20	MEGHANA M S	1BY17CV028		
21	YAKSHA V	1BY17CV065	Mrs. Lakshmi H S	Detremination of soil moisture content using sensors
22	ANANYA N B	1BY17CV009		
23	MANJUSHA M	1BY17CV027		
24	SUSHMITHA V	1BY17CV057		
25	AKANKSHA	1BY16CV077	Mrs. Archana K	hydraulic control system and permeable pavements
26	NARMADA D	1BY17CV031		
27	P PAVAN JAHNAVI	1BY17CV036		
28	RUPALI NIRANJAN	1BY17CV047		
29	VINEETHA	1BY18CV410	Mrs. Prasanna G	Model of english and flemesh nond
30	PURUSHOTAM KUMAR SAH	1BY17CV070		
31	SHALIK DHUNGANA	1BY17CV071		
32	UTTAM CHAUDHARI	1BY17CV073		
33	ANMOL GARG	1BY17CV010	Mr. Vinod B R	Sustainable housing
34	NARESH JANGID	1BY17CV030		
35	AMAN KUMAR SINGH	1BY17CV007		
36	SHARIQ FAYAZ	1BY17CV049		

37	LIKHITH M	1BY17CV025	Mrs. Shimna M	Bamboo rain gutter
38	P JAYA PRAKASH N	1BY17CV033		
39	RANUVA DATTA KAILASH	1BY17CV046		
40	B L SHANKAR RAVITEJA	1BY17CV012		
41	JAGDISH SUTHAR B	1BY17CV021	Mr. Manish S D	Flow ability of mortar containing brick fines
42	PAWAN BHATIA	1BY17CV034		
43	VIVEK VEDANT	1BY17CV063		
44	JOELL BINU PANACHAMOOTTIL	1BY17CV069		
45	ABHISHEK C HIREMATH	1BY17CV003	Mrs. Shimna M	Effect of strain hardening on yield stress of mild steel
46	ABHISHEK D	1BY17CV004		
47	NAGESH L	1BY17CV075		
48	ABHISHEK M S	1BY18CV400		
49	HEMANTH N	1BY17CV024	Mr. Anant G Pujar	Earthquake detector circuit
50	JEEVAN GOWDA	1BY17CV020		
51	SIDDARTH RAJ B	1BY16CV058		
52	B V RAMRAJITH	1BY17CV013		
53	VEERANNAGOWDA	1BY17CV077		
54	AISHWARYA B	1BY17CV005	Mr. Sreedhara B M	Earthquake simulating model
55	SANJANA S	1BY17CV076		
56	SOUNDARYA T V	1BY17CV054		
57	SUCHITHRA G M	1BY18CV409		
58	SIDDESH A	1BY17CV053	Mrs. Lakshmi H S	Eqrthquake resistant building
59	UPAMANYU S URS	1BY17CV060		
60	VIKAS T C	1BY17CV062		
61	AKASH M	1BY17CV006	Mr.Vinod B R	Compressive test on concrete blocks
62	BHUVAN P G	1BY17CV014		
63	RAKSHITH A E	1BY17CV043		
64	PUNEETH B	1BY17CV039		
65	NAMITH C J	1BY17CV029	Mr. Sreedhara B M	Filtration using natural fibres as fixed beds for waste water treatment
66	NITHIN GOWDA R	1BY17CV032		
67	CHANDAN SAIN	1BY17CV015		



**VI SEMESTER PBL LIST**

<b>SL No.</b>	<b>STUDENT NAME</b>	<b>USN</b>	<b>FACULTY NAME</b>	<b>PROJECT TITLE</b>
1	DEEKSHA B	1BY16CV014	Mrs. Archana K	Fresh and hardned properties of cement mortar made with plastic waste
2	SOUMYA DASGUPTA	1BY16CV059		
3	KAVYA S	1BY16CV025		
4	DHANUJA S	1BY16CV016		
5	AKSHITHA C M	1BY16CV006		
6	ADITYA S D	1BY17CV400	Mr. Manish S D	Comparison of permeability of controled concrete and GGBS blended concrete
7	MANJU H R	1BY17CV404		
8	VINAY K	1BY17CV410		
9	VENKATA PRASANNA K	1BY15CV060		
10	CHETHAN KUMAR D I	1BY17CV401		
11	VJEYTA S	1BY16CV064	Mrs. Prasanna G	Partial replacement of flyash and construction waste in concrete
12	ZUBENI NGULLIE	1BY16CV065		
13	DEEKSHA K SHETTY	1BY16CV015		
14	CHANDANA K	1BY16CV023	Mr. Manish S D	Effective use of waste plastic powder as replacement of sand in mortar
15	PRABIN REGMI	1BY16CV070		
16	HIKMAT PRADHAN	1BY16CV066		
17	TIRTH SAH	1BY16CV073		
18	DANISH AHMAD BHAT	1BY16CV013		
19	SAQIB HASSAN GOJRI	1BY16CV053		
20	RAKESH J SUTHAR	1BY16CV043	Mrs. Shobha R	Design of flat slabs
21	NABIN BHATTARAI	1BY16CV069		
22	SUSHIL	1BY15CV054		
23	YASIR NABI	1BY15CV063		
24	KUSAMPUDI SAI GREESHMA	1BY16CV027	Mrs. Shobha R	Geo Polymer concret
25	P N SHREYA	1BY16CV039		
26	GOUTHAM B M	1BY15CV023		
27	PRAKRUTHI G S	1BY16CV040		
28	RAKSHITHA S	1BY16CV045		
29	MOHAMMED GHOUSE C	1BY16CV033	Mr. Vinod B R	Generation of power through speed breaker mechanism
30	MOHAMMED SAFWAAN	1BY16CV034		
31	ROOPAK BALU	1BY16CV048		
32	S UDAY BHARGAV	1BY16CV050		
33	NOORAIEN HASHMIE	1BY16CV038	Mr. Vinod B R	Generation og electricity from speed breakers
34	SUSHMA M	1BY16CV060		
35	PRIYA RAMADAS GUNAGI	1BY16CV041		
36	N HARSHASHREE			



37	DUSHYANTH KUMAR D G	1BY17CV402	Mrs. Shimna M	Soil stabilization by controlling swelling of soil
38	RAKESH	1BY17CV406		
39	SURYA M	1BY17CV407		
40	VIJAY KUMAR S	1BY17CV409		
41	SHASHIDHAR G PATGAR	1BY16CV055		
42	KALPESH M PANDE	1BY16CV024	Mr. Anant G Pujar	Structural and morphological analysis of Melukote
43	MADHU D L	1BY16CV029		
44	SHRINIVAS	1BY16CV057		
45	SUMANTH S	1BY16CV076		
46	G HEMANTH	1BY15CV020		
47	ZOHAIB M UMAIR	1BY16CV074	Mrs. Lakshmi H S	Design of jute fibre reinforced concrete
48	RIYYAN KHAN	1BY16CV047		
49	KHURAIJAM DENNIS	1BY16CV026		
50	PRAJWAL M BELAGAL	1BY15CV031		
51	AKARSH C U	1BY16CV004	Mr. Rajesh G	Aerial analysis of effects of urbanization on the lakes of bengaluru
52	AMIT KUMAR RAI	1BY16CV007		
53	CHETHAN M S	1BY16CV011		
54	MURALIDHAR G	1BY16CV019		
55	RAHUL ABHISHEK	1BY16CV071	Mrs. Archana K	Comparison between conventional speed breaker and non newtonian fluid speed breaker
56	GITANSH LALPURIA	1BY16CV075		
57	V N MOHAMMED SHAHID	1BY17CV408		
58	MD FAIZANUR RAHMAN	1BY16CV068		
59	SHIVAPRAKASH	1BY16CV056		
60	CHARANA G B	1BY16CV010	Mrs. Prasanna G	Design , planning and estimation og G+2 Storey building
61	CHIRAG R	1BY16CV012		
62	HARI PRASAD C M	1BY16CV020		
63	NAVEEN G V	1BY15CV021		
64	HEMANTH R S	1BY15CV028		
65	A B RAGHAVENDRA	1BY16CV001	Mr. Sreedhara B M	Seismic analysis of G+3 structure providing diagonal and combination type of bracing using staad Pro
66	M APOORVA	1BY16CV028		
67	RAKESH M	1BY16CV044		
68	PALLAVI S	1BY17CV405		
69	YUGAL RAJ G	1BY15CV064		
70	AVINASH NAIR	1BY16CV008	Mr. Sreedhara B M	Seismic analysis of G+3 structure providing X bracing using staad Pro
71	ADARSH R N	1BY16CV003		
72	NANDAN M	1BY16CV036		
73	NIHAL AHMED	1BY16CV037		
74	VAISHNAVI	1BY16CV062	Mrs. Shimna M	Effect of number of passes on OMC and MOD in compaction test
75	TRISHIT P BHATTACHARYYA	1BY16CV061		

## PBL Open Day – 13<sup>th</sup> May 2019

Open day project based learning exhibition at department of Civil Engineering held on May 13<sup>th</sup> 2019.

Totally 49 projects have been exhibited (17 of fourth semester, 17 of sixth semester and 15 of eighth semester). Two resource personnels (academic based and industry based) judged the event.

The guest were Dr Nagaraj M K (Ret Prof, NITK) and Er. Deepa D B (Asst Engineer @ Minor Irrigation Dept, Govt of Karnataka).

The criterion of evaluation included Presentation skills, Content of presentation and relevance of project selected.

Out of 49 projects 9 best projects from each semester were awarded.



Principal along with some faculties were visited the exhibition and given the good feedback



Judges were looking around the exhibition and evaluated the projects and appreciated the students hardwork



Group Photo taken at the end of Open Day exhibition

**Results of Open Day (College level Project/PBL Exhibition)**

Sl No	Student Name and USN	Guide Name	Project Title	Prize/Place	Marks (200)
<b>Fourth Semester</b>					
1	VIKAS C DARSHAN J HARI PRAKASH PRAVEEN KUMAR S	1BY17CV061 1BY18CV401 1BY18CV404 1BY18CV407	Mr. Vinod B R	Circular Runway	1 <sup>st</sup>    153
2	ANUSHA P PRABHU SHUBHASHREE G R MEGHANA M S YAKSHA V	1BY17CV011 1BY17CV052 1BY17CV028 1BY17CV065	Mrs. Archana K	Decentralized waste water treatment system	2 <sup>nd</sup>    152
3	LIKHITH M P JAYA PRAKASH N RANUVA DATTA KAILASH B L SHANKAR RAVITEJA	1BY17CV025 1BY17CV033 1BY17CV046 1BY17CV012	Mrs. Shimna. M	Bamboo rain gutter	3 <sup>rd</sup>    150
<b>Sixth Semester</b>					
3	AKARSH C U AMIT KUMAR RAI CHETHAN M S MURALIDHAR G	1BY16CV004 1BY16CV007 1BY16CV011 1BY16CV019	Dr. Rajesh Gopinath	Aerial analysis of effect of urbanization on the lakes of Bangalore	1 <sup>st</sup>    150
4	RAHUL ABHISHEK GITANSH LALPURIA V N MOHAMMED SHAHID MD FAIZANUR RAHMAN SHIVAPRAKASH	1BY16CV071 1BY16CV075 1BY17CV408 1BY16CV068 1BY16CV056	Mrs. Archana K	Comparison between conventional speed breaker & non-Newtonian fluid speed breaker	2 <sup>nd</sup>    149
5	AVINASH NAIR ADARSH R N NANDAN M NIHAL AHMED	1BY16CV008 1BY16CV003 1BY16CV036 1BY16CV037	Dr. Sreedhara B M	Seismic Analysis of G+3 structure providing X bracing using STAAD PRO	3 <sup>rd</sup>    148

Eighth Semester						
6	MONICA KRISHNA PRATHIK SINHA NITHISH KUMAR DEEPAK TRIPATHI	1BY15CV034 1BY15CV042 1BY15CV037 1BY15CV014	Dr. Rajesh Gopinath	Variation of Ambient CO at major junction across all wards of Bengaluru	1 <sup>st</sup>	156
7	DARSHAN BALIGA BHARATH K C HARIPRIYA S KHYATHI P V	1BY15CV012 1BY15CV009 1BY15CV026 1BY15CV039	Mr. Manish S Dharek	Flood damage assessment using GIS: A case study of 2018 Kodagu Floods	2 <sup>nd</sup>	153
8	SHEETHAL H M RAVIKUMAR N G GAYATHRI V MD AZEEZ UR RAHMAN V	1BY15CV049 1BY16CV407 1BY15CV022 1BY15CV033	Mrs. Shimna M	Geotechnical response of existing structure to adjacent deep excavation	3 <sup>rd</sup>	151

## 2018 – 19 ODD SEMESTER

**Department of Civil** proudly hosted 2018-19 Even Semester's Project Based Learning encompassing 24 projects in various fields of Civil Engineering

III SEMESTER			
Sl. No.	Name of the Guide(s)	PBL Title	Students Name & USN
1	Mr Sreedhara B M	Interpretation of artificial ponds in Bangalore and their impact on environment	Ananya N B(1by17cv009), Narmada D(1by17cv031), Manjusha M(1by17cv027), Sushmitha V(1by17cv057), Ponnnavolu Pavan Jahnvi(1by17cv036)
2	Mr. Vinod B R	Warka Tower – each drop counts	Anusha P Prabhu(1by17cv011), Shubhashree G R(1by17cv052), Meghana M S(1by17cv028), Yaksha V(1by17cv065)
4	Dr Rajesh Gopinath	Comparison of quality and characteristics of different packaged drinking water brands	Aishwarya B(1by17cv005), Chandana N Swamy(1by17cv016), Rupali Niranjan(1by17cv047), Sanjana S(Coc), Soundarya T V(1by17cv054)
5	Mrs Shimna M	Hydraulic roofing cricket stadium	B Lakshmi Shankar Raviteja(1by17cv012), Baddela Venkata Ramrajith(1by17cv013), Likhith M(1by17cv025), P Jaya Prakash Narayan(1by17cv033), Ranuva Dattaa Kailash(1by17cv046)

6	Mrs Shimna M	Over expenditure on flooring due to poor workmanship	Gaurav B R(1by17cv019), Kashinatharaddi Mali(1by17cv024), R Pavan Reddy(1by17cv040), Raghavendra Galappanavar(1by17cv042), Sanju S P(1by17cv048)
7	Mrs Archana K	Model of seismic wave proof buildings	Hemanth N(1by17cv020), Jeevan Gowda S(1by17cv022), Nithin Gowda R(1by17cv032), Siddarth Raj Bhupal(1by16cv058), Vikas C(1by17cv061)
8	Mrs Prasanna G	Bearing capacity of stabilized red soil	R Prajwal(1by17cv041), Shehbaz Mohammed(1by17cv050), Surya Kumar N A(1by17cv055), Suryavamshi N A(1by17cv056)
9	Mr Vinod B R	Strength properties of plastic bottle bricks and their suitability as construction material	Chandan Sai N(1by17cv015), Namith C J(1by17cv029), Siddesh A(1by17cv053), Upamanyu S Urs(1by17cv060), Vikas T C(1by17cv062)
10	Mr Vinod B R	Queen post truss	Akash M(1by17cv006), Bhuvan P G(1by17cv014), D Pranav Reddy(1by17cv018), Rakshith A E(1by17cv043), Puneeth B(1by17cv039)
11	Mrs Prasanna G	Tests on Masonry	Shalik Dhungana(1by17cv071), Uttam Chaudhari(1by17cv073), Aman Kumar Singh(1by17cv007), Shariq Fayaz(1by17cv049), Nagesh L (Coc)

**V SEMESTER**

Sl. No.	Name of the Guide(s)	PBL Title	Students Name & USN
1	Mr Vinod B R	Pervious concrete	Akarsh C U(1by16cv004), Amit Kumar Rai(1by16cv007), Chethan M S(1by16cv011), Muralidhar G(1by16cv019), (1by16cv004)
2	Mrs. Archana K	Effective use of sewage treated water for curing	Prabin Regmi(1by16cv070), Rahul Abhishek(1by16cv071), Tirth Sah(1by16cv073), Hikmat Pradhan(1by16cv066)
3	Mr. Manish S D	Experimental studies on effect of curing type on compressive strength of concrete	Deeksha B(1by16cv014), Khuraijam Dennis(1by16cv026), Soumya Dasgupta(1by16cv059), Kavya S (1by16cv025), Gitansh Lalpuria(1by16cv075)
4	Mrs. Shimna M	Use of waste plastic in concrete	Danish Ahmad Bhat(1by16cv013), Saqib Hassan Gojri(1by16cv053), Trishit Paran Bhattacharyya(1by16cv061), Md Faizanur Rahman(1by16cv068)
5	Dr. Deepak G B	Study the effect of glass fiber on CBR	Rakesh J Suthar(1by16cv043), Nabin Bhattarai(1by16cv069), Sushil Kumar Singh(1by16cv054), Yasir Nabi Wani(1by16cv063), N Harshashree(Coc)



6	Dr. Rajesh Gopinath	Estimation of ambient carbon monoxide concentration at traffic intersection	Avinash Nair(1by16cv008), Vaishnavi(1by16cv062), Sumanth S(1by16cv076), G Hemanth(1by15cv020), Prajwal M Belagal(1by15cv031)
7	Mr. Sreedhara B M	Analysis of flood affected area at and around Kodagu district	A B Raghavendra(1by16cv001), M Apoorva(1by16cv028), Rakesh M(1by16cv044), Pallavi S(1by17cv405), Yugal Raj G(1by16cv064)
8	Mrs. Archana K	Concrete mix by partial replacement of fine aggregate by plastic	Charana G B(1by16cv010), Hemanth R S(1by15cv028), Chirag R(1by16cv012), Hari Prasad C M(1by16cv020), Venkata Prasanna K(1by15cv060)
9	Mrs. Shimna M	Behavior of contaminated soil	Mohammed Ghouse C(1by16cv033), Mohammed Safwaan(1by16cv034), Roopak Balu(1by16cv048), S Uday Bhargav(1by16cv050)
10	Mr. Manish S D	Strength comparison of concrete by Moist, Air+Moist, Accelerated curing	Adarsh R N(1by16cv003), Vijeyta S(1by16cv064), Zubeni Ngullie(1by16cv065), Nandan M(1by16cv036)
11	Mrs. Prasanna G	Solar water heater	Kusampudi Sai Greeshma(1by16cv027), P N Shreya(1by16cv039), Goutham B M(1by16cv023), Prakruthi G S(1by16cv040), Rakshitha S(1by16cv045)
12	Dr. Rajesh Gopinath	Postulation of probable occupational hazards and accidents in BMSIT campus to derive corrective measures	Deeksha K Shetty(1by16cv015), Chandana K(1by16cv023), Nihal Ahmed(1by16cv037), Zohaib Mohamed Umair(1by16cv074)
13	Mrs. Shobha R	Replacement of cement with GGBS and comparison studies	Nooraien Hashmie(1by16cv038), Sushma M(1by16cv060), Dhanuja S(1by16cv016)

## PBL Open Day – 04<sup>th</sup> November 2018

Open day project based learning exhibition at department of Civil Engineering held on November 4<sup>th</sup> 2018.

Totally 24 projects have been exhibited (13 of fifth semester and 11 of third semester). Two resource personnels (academic based and industry based) judged the event.

The guest were Dr Guruprasad YK (Assoc Prof, MSRIT) and ErShashibushana H S (Manager, EHS). The criterion of evaluation included Presentation skills, Content of presentation and relevance of project selected.

Out of 24 projects 2 best projects from each semester were awarded.

The projects **Warka Tower- each drop counts** done by Anusha P Prabhu, Shubhashree G R, Meghana M S and Yaksha V under the guidance of Prof Vinod B R and **Hydraulic roofing cricket stadium** done by B Lakshmi Shankar Raviteja, Baddella V Ramrajith, Likith M, P Jayaprakash and Ranuva D K Ailash under the guidance of Prof Shimna M from 3<sup>rd</sup> semester awarded first and second prize respectively

The projects **Effective use of sewage treated water for curing** done by Prabin Regmi, Rahul Abhishek, Tirth Sah, and Hikmath Pradhan under the guidance of Prof Archana and **Analysis of flood affected area at and around Kodagu District area** done by A R Raghavendra, M Apoorva, Rakesh M, Pallavi S and Yugal Raj under the guidance of Prof Sreedhara B M from 5<sup>th</sup> semester were awarded first and second prize respectively



Principal along with some faculties were visited the exhibition and given the good feedback

Judges were looking around the exhibition and evaluated the projects and appreciated the students hardwork





Group Photo taken at the end of Open Day exhibition

