



**BMS**

**INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

Avalahalli, Doddaballapur MainRoad, Bengaluru-560064

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

**PBL COMPENDIUM**

**2020 - 21**

**EVEN SEMESTER**

## PBL REPORT

Department of Computer Science & Engineering, BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT, Avalahalli, Yelahanka, Bengaluru organized a PBL Project Open day Competition on 30<sup>th</sup> and 31<sup>st</sup> July 2021 to exhibit the project work carried out by the students of the IV and VI semester students. The projects exhibited the student's ability to apply their learning to solve the real world problems.

This semester around 132 PBL batches chosen the DAA and Compiler Design simulation and Software projects (because of lock down) which students have taken up few challenges and realized the same with the help of peer groups and faculty mentors. These projects were evaluated by internal committee and external judges on various rubrics.

### BEST PROJECTS

Best projects from 4<sup>th</sup> semester are

SI No	Semester	NAME	USN	PBL Title
1	4	Kevin P	1BY19CS067	<b>Covid-19 Bed Allocation System</b>
		Charukesh	1BY19CS033	
		B Hrishikesh	1BY19CS025	
2		Akanksha N	1BY19CS006	<b>Smart Assistant</b>
		Challa Jwanitha	1BY19CS031	
		Harshitha GS	1BY19CS051	
		Hitha	1BY19CS052	
3		Nakul S	1BY19CS090	<b>College Management System</b>
		S Ramya	1BY19CS129	
		Mananya V D	1BY19CS075	
4		POORVIK D	1BY19CS103	<b>Algorithm Visualiser(Linearly)</b>
		RISHAB S ROKHADE	1BY19CS117	
		MOHAMMED OWAIS	1BY19CS083	
5	SOHANKUMAR TR	1BY19CS154	<b>Algorithm Visualizer</b>	
	SIDDHARTH VADDEM	1BY19CS150		
6	Shruthilaya.K	1BY19CS147	<b>Solution Generator for a Given Sudoku Puzzle</b>	
	Shweta Bhat	1BY19CS149		
	Smruthi.N.S	1BY19CS152		
	Tejaswini S Rao	1BY19CS169		

Best projects from 6<sup>th</sup> semester are

Sl No	Semester	NAME	USN	PBL Title	
1	6	Hritik Kumar Singh	1BY18CS066	Emosenti Analyzer	
		Ashutosh Kumar	1BY18CS032		
2		Anmol	1BY18CS021	MARC - 3D (Mobile based Augmented 3D Reconstruction)	
		Gaurav Sethia	1BY18CS055		
3		Harish Kumar S Guragol	1BY18CS060		
		Roy George	1BY18CS126		ProTracker - Task Managment Web App
		S.Geetanjali	1BY18CS129		
Sanjana Gowdanar		1BY18CS138			
M S Vishnupriya		1BY18CS086			
4		Rushikesh Chaskar	1by18cs127	Medico bud	
		Sakshi Agrawal	1by18cs135		
		Saurabh Prakash	1by18cs145		
	Rakhi Purwar	1by18cs116			
5	Siddhanth Tripathi	1BY18CS164	LUNG DISEASE DETECTION USING DEEP LEARNING		
	Sinchana Shetty	1BY18CS165			
	Somil Jain	1BY18CS167			
	Vanshika Sharma	1BY18CS185			
6	Sushmitha HM	1BY18CS174	Image Steganography using deep learning		
	Shashiroop Hegde	1BY18CS151			
	Sriram	1BY18CS170			
	Tejashwini N	1BY18CS179			

### Glimpse of Online Reviews:

The screenshot shows a Zoom meeting interface. At the top, a status bar indicates 'REC' and '1BY19CS016 Anjana G V is presenting'. The main content area displays a presentation slide with the title 'FOOD DELIVERY APP' and the subtitle 'Here is where your pitch deck begins'. The slide features a graphic of a hand holding a smartphone displaying a food delivery app interface. On the right side, a grid of participant avatars is visible, including 'Dr. HemaMalini B. H', '1BY19CS016 Anjan...', '1BY19CS036 CHE...', 'Ananda R', '1BY19CS043 E SH...', '1BY19CS020 Arun ...', '1BY20CS404Chan...', '58 others', and 'You'. The bottom of the screen shows the Zoom control bar with icons for mute, video, chat, hand raise, screen share, and end call, along with the time '10:06 AM' and the ID 'bkc-psdo-agy'.

REC K 1BY19CS067 Kevin P is presenting

Bed Allocation [Home](#) [Bed Status](#) [BBMP Bed Tracker](#)

### Yelahanka Government Hospital

Logout

Name	Age	Number	Gender	Area	Spo2 Level	Covid Result	CT-Score	SRF ID	BU Number	BED Type	Discharge
Prajwal	21	4568768	Male	Yelahanka	99	Negative	1	124853	867861	GEN	Discharge
Kevin	20	456786	Male	Yelahanka	98	Negative	0	111111	224242	GEN	Discharge
Hrishikesh	21	48648687	Male	Yelahanka	99	Negative	0	55554	666666	GEN	Discharge
Test15	20	48526452	Female	Yelahanka	50	Positive	5	112244	453543	ICU-V	Discharge
Sample	25	5434535333	Male	Yelahanka	98	Positive	10	22223	55555	GEN	Discharge
Test24	22	24563453	Male	Yelahanka	98	Negative	0	453453	543543	GEN	Discharge
Test3	54	7424523	Female	Yelahanka	95	Negative	0	5436485	8366763	GEN	Discharge
Test5	25	53453	Female	Yelahanka	98	Negative	0	15353	315353	GEN	Discharge
Sample2	20	13485343	Male	Yelahanka	60	Positive	10	153853	45234	ICU-V	Discharge

9:14 AM | Project Based Learning - 31-7-2021 - 4th se...

REC 1BY19CS415 TEJAS M is presenting

Pharmacy Sys

### Pharmacy Management System

Dashboard View Users View Prescription Manage Stock Logout

View Users

PHARMACIST	CADRES	MANAGER	Firstname	Lastname	Staff ID	Phone	Email	Username
			Johnson	Hernsworth	PMS24	7896541230	hemsjo@gmail.co	pharmacist
			Narco	Rodriguez	PMS52	9754448500	narcor@gmail.c	narco
			Tom	Miller	PMS29	1257888880	mlilertom@gmail.com	tom
			Terri	Silva	PMS00	7894561320	adorateri@gmail.	terri
			Jeff	Montano	PMS28	1378554540	jeffm@gmail.com	jeffm
			Andy	Thompson	PMS69	5210000069	andypandy@gmail.com	andy
			Sophie	Turner	PMS16	6969696969	sophie@gmail.com	sophie
			Annie	Franklin	PMS84	2478881000	anniefg@gmail.com	annie
			Rosa	Miers	PMS96	6545552220	rosa96@gmail.com	rosa
			Hannah	M	PMS02	7894561250	hannah@gmail.com	hannah
			John	Stuart	PMS39	4582220010	john@gmail.com	john

10:13 AM | cpr-hzvd-xui

REC S 1BY18CS128 S.Bhanukiran is presenting

vec-crtv-mjk

Confirmed Cases: +46.1k (197.4k Total)

Recovered: +25.2k (178.8k Total)

Deaths: +726.0 (4.2k Total)

Worldwide new cases

Country	Cases
USA	35,584,272
India	31,571,295
Brazil	15,835,369
Russia	6,218,502
France	6,079,239
UK	5,801,561
Turkey	5,682,638
Argentina	4,905,925
Colombia	4,766,829
Spain	4,422,291

10:12 AM | 30-Jul-21

REC 1BY18CS047\_Kamakshi is presenting

meet.google.com/rjd-rbab-zcn

You're presenting to everyone

To avoid mirroring, don't share your entire screen or browser window. Share just a tab or a different window instead.

10:11 AM rjd-rbab-zcn

10:11 AM | rjd-rbab-zcn

Bhujangasana

1BY18CS047\_Kam... 1BY18CS002\_Abh... 1BY18CS072 Kanc...  
 1BY18CS056\_GAU... 1BY18CS048\_DAN... 1BY18CS223 PALAK  
 Dr. Dhanalakshmi ... 9 others You

REC 1BY19CS214 Trisha Moitra is presenting

meet.google.com/rzn-ooen-ryq

10:09 AM | rzn-ooen-ryq

```

function getRandomChar() {
    return String.fromCharCode(Math.floor(Math.random() * 26) + 97);
}

function getRandomString(length) {
    let str = '';
    for (let i = 0; i < length; i++) {
        str += getRandomChar();
    }
    return str;
}

// Example usage
const randomString = getRandomString(10);
console.log(randomString);
  
```

Dr. Satish Kumar ... 1BY19CS219 Shivani 1BY19CS182 Vishal...  
 1BY19CS171 Tusha... Srivani P Vidya R  
 1BY19CS214 Trisha... 39 others You

REC M 1BY19CS076\_Manasa K M is presenting

meet.google.com/kns-uxyj-qvx

10:07 AM | kns-uxyj-qvx

Enter Payment

Customer:

Total Amount: 4782761.312

Available Credit: 0

Net Amount:

Remarks:

Save Payment

Invoice number Amount Paid Date

Invoice number	Amount Paid	Date
0001	101204.000	0
0002	101204.000	0
0003	101204.000	0
0004	101204.000	0

Jagdish P 1BY19CS128 SHAS... 1BY19CS110 Prath... 1BY19CS092\_Nav...  
 1BY19CS094 NEHA BANJ Chethana C  
 1BY19CS090 Naku... 1BY19CS081 MAY... 1BY19CS076\_Man...  
 Achalini N 1BY19CS125 Rohini Anand  
 44 others You  
 Jagdish P 43 others You

