



## **LBS VESIT ANNUAL REPORT**

The objective of **LBS(Looking Beyond Syllabus)** is to encourage students to work upon and exhibit various innovative theme-based projects on emerging technologies, develop interaction among the students of various branches and intelligent interactions with the Faculty members who act as mentors, enhance team building ability and to provide a competitive environment for the students to exhibit their project making skills. LBS championship 2018-19 was a big hit amongst the students.

The competition is open for II year and III-year students of B.E and MCA who are interested in exploring and understanding technology and have an innovative bent of mind and have an interesting project proposal based on the proposed theme which can be developed either for the benefit of the society or an individual or the institute.

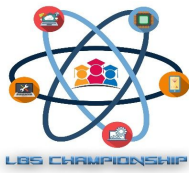


Dr. (Mrs.) T. Rajani Mangala, LBS Incharge

This year's competition was in collaboration with IIC, started by sending an email on 30th Jan 2020 to the eligible students and inviting them for a session to brief about the competition. Online registration for the project proposal was open for students from 3rd Feb 2020 till 8th Feb 2020.

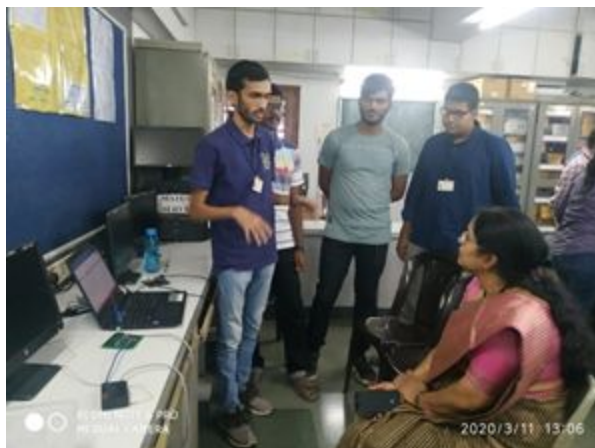
Online mentor registration form was also open 3rd Feb 2020 till 8th Feb 2020 in which interested faculty can apply for mentoring the projects according to their area of interest. 24 faculty from various departments registered for the same. Allocation of mentors to the selected teams was done on 27<sup>th</sup> Feb 2020.

First review presentation of the project was held on 11<sup>th</sup> March 2020 in Lab 402 at 12:30 pm. Following groups were selected for the final presentation of projects that was to be held on 20<sup>th</sup> March 2020.



| S.No. | Mentor Name               | Team leader          | Team contact Email Id  | Title of project   |
|-------|---------------------------|----------------------|--|--|
| 1     | Dr.Ramesh Solanki         | Vaibhav Singh Rajput | <a href="mailto:2017.vaibhavsingh.rajput@ves.ac.in">2017.vaibhavsingh.rajput@ves.ac.in</a> | IOT Access and App Hosting                                       |
| 2     | Ruchi Rautela             | Sunit Raut           | <a href="mailto:2016.sunit.raut@ves.ac.in">2016.sunit.raut@ves.ac.in</a>                   | IOT Platform for Heterogeneous Applications With Wireless Access |
| 3     | Kanade Prashant Vilas     | Nabil Kazi           | <a href="mailto:2018nabil.kazi@ves.ac.in">2018nabil.kazi@ves.ac.in</a>                     | Student Grievance System   |
| 4     | Manisha Joshi             | Yash Gurnani         | <a href="mailto:2017.himanshu.pingulkar@ves.ac.in">2017.himanshu.pingulkar@ves.ac.in</a>   | Sentiment Analysis from Text Feedback                            |
| 5     | Anushree prabhu           | Shrikrishna Pai      | <a href="mailto:2017.shrikrishna.pai@ves.ac.in">2017.shrikrishna.pai@ves.ac.in</a>         | Public Toilet Health Check                                       |
| 6     | Arti Sawant               | Jay Jhaveri          | <a href="mailto:2018.abhay.gupta@ves.ac.in">2018.abhay.gupta@ves.ac.in</a>                 | Automatic Number Plate Recognition System                        |
| 7     | Asma Parveen I.Siddavatam | Shubham Metkar       | <a href="mailto:2018.shubham.metkar@ves.ac.in">2018.shubham.metkar@ves.ac.in</a>           | IOT Based Sensors to Determine Machine Runtime.                  |

First review presentation of the projects taken on 11<sup>th</sup> March 2020.





The Final round that was scheduled on 20<sup>th</sup> March 2020 could not be conducted due to lockdown in the country from 17<sup>th</sup> March 2020.


Heramb Paul  
Nabil Kazi (Leader)  
Nafis Khan

**LBS E-exhibition 2019-20**  
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**LBS-GR-3 Student Grievance Redressal System**

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**CISCO WIRELESS ACCESSING + IOT APP HOSTING**  
BY ALEOV

**Organisation:** Cisco Devnet  
**Problem Statement Title:** Cisco, Wireless Accessing + Iot App Hosting  
**Category:** Hardware  
**Domain Bucket:** Sustainable Environment  
**Team Name:** Aleov  
**Team Leader Name:** Vaibhavsingh Rajput  
**Team Leader Contact Number:** +91-9833666354  
**Team Leader Email ID:** 2017\_vaibhavsingh.rajput@ves.ac.in

**Solution**

- Build a Multi-protocol application using different IOT sensors and transferring relevant data.
- Applications proposed: Garbage Management, Sanitation, power theft.
- Making use of different IOT communication protocols
- Hosting a docker based application on Cisco Catalyst 9120
- To run different application on a single catalyst 9120
- Live monitoring of the application

For example


- Location and status of dustbin in garbage management
- Location and status of public toilets in sanitation

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**LBS-GR-1 Cisco Wireless Access + IoT Access and App Hosting**

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**LBS-GR-6 Sentiment Analysis from Text Feedback**

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**LBS-GR-2 IoT Platform for Heterogeneous Applications With Wireless Access**

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As it is said, “Where there is a will, there is a way”. Due to the pandemic we decided to showcase the LBS projects as e-exhibition this year on the 15th and 16th July 2020 which received a huge response from faculty and students alike.

The following selected projects participated in e-exhibition.

1. Title : Cisco Wireless Access + IoT Access and App Hosting  
Mentor: Dr. Ramesh Solanki  
Team Members: Vaibhavsingh Rajput, Raghav Potdar, Kalpesh Bhole, Rahul Sohandani, Mitali Jadhav, Ankita Singh
2. Title : IoT Platform for Heterogeneous Applications With Wireless Access  
Mentor: Ms. Ruchi Rautela  
Team Members: Sunit Raut, Shubham Annigeri, Shubham Madhavi, Shreyas Padate, Sonali Dulange, Samruddhi Patil
3. Title: Student Grievance Redressal System  
Mentor: Mr. Prashant Vilas Kanade  
Team Members: Nabil Kazi, Aakash Manoj Gupta, Brijesh Subas Vishwakarma, Heramb Shankar Patil, Mohammad Nafis Khan
4. Title: Public Toilet Health Check  
Mentor: Ms. Anushree Prabhu  
Team Members: Shrikrishna Pai, Kalyani Ingole, Atharva Ghodegaonkar, Sakthivel Selvaraj Nadar
5. Title: Automatic Number Plate Recognition System  
Mentor: Mrs. Arti Sawant  
Team Members: Jay Jhaveri, Abhay Gupta, Prem Chhabria, Sahil Lotya, Rahul Koli, Prasad Govekar
6. Title: Sentiment Analysis from Text Feedback.  
Mentor: Mrs. Manisha Joshi  
Team Members: Yash Gurnani, Kartik Chindarkar, Nikhil Gaikwad, Pajakta Gole, Deepak Mulwani, Himanshu Pingulkar



Three best projects were declared as winners. The projects were judged based on the feedback received by the judges and the number of likes that each project gets. The result was calculated based on 70% of judges feedback + 30% of the number of likes obtained by each project.

## **LBS 2019-20 E-EXHIBITION RESULTS WERE AS FOLLOWS:-**

**\*First Rank: LBS -GR- 3\*** - Student Grievance Redressal System

Mentor : Mr. Prashant Kanade

Team leader : Nabil Kazi

**\*Second Rank: LBS-GR-1\*** - Cisco Wireless Access + IoT Access and App Hosting

Mentor : Dr. Ramesh Solanki

Team leader : Vaibhav Singh Rajput

**\*Third Rank: LBS - GR-6\*** - Sentiment Analysis from Text Feedback

Mentor: Mrs. Manisha Joshi

Team leader: Yash Gurnani

All the participating groups, mentors, organizing team and judges received the participatory certificates.

## **LBS COORDINATORS**

Mrs. Kadambari Sharma, Assistant Professor, (INST)

Mrs. Anuradha Jadiya, Assistant Professor, (EXTC)

Mrs. Priya R. L., Assistant Professor, (CMPN)

Mrs. Jayashree Hajgude, Assistant Professor, (IT)

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Mrs. Ruchi Rautela, Assistant Professor, (MCA)

Mrs. Gauri Sahoo, Assistant Professor, (ETRX)

## **LBS IN-CHARGE:**

Dr. (Mrs.) T. Rajani Mangala,  
Professor, (ETRX)