



# Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

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# Vivekanand Education Society's Institute of Technology

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## LBS Report 2020-21



### LBS VESIT ANNUAL REPORT 2020-21

LBS stands for "Looking Beyond Syllabus" Activity. It's an Institute level competition with the purpose of motivating students to come up with new project ideas, which can be converted into real time applications or products. Through LBS, VESIT offers an opportunity to the students to contribute to the society by providing innovative and efficient solutions for today's needs of the citizens.

The competition is open for I year, II year and III-year students of B.E and MCA who are interested in exploring and understanding technology.

The competition in collaboration with IIC, was started by sending an email on 26th Sep 2020 to the eligible students for online registration for the project proposals. Form was open for students till 12th Oct 2020.

Online mentor registration form was also open 23rd Oct 2020 till 31<sup>st</sup> Oct 2020 in which interested faculty can apply for mentoring the projects according to their area of interest. 26 faculty from various departments registered for the same. Allocation of mentors to the selected teams was done on 29<sup>th</sup> Jan 2021.

First review presentation of the project was held online on 23rd Nov 2020. Six panels of judges were made, comprising three faculty from different departments for scrutinising the project proposals. Proposals were examined based on the relevance and validation of problem & solution, feasibility of the solution and applicability of the solution. Proposals were judged by Mr. Richard Joseph, Ms. Kajal Jewani, Ms. Ruchi Rautela, Ms. Sangeeta Oswal, Ms. Rohini Temkar, Ms. Anuradha Jadiya, Dr. Parameshwar Birajadar, Ms. Amrita Jhaveri, Ms. Jayashree Hajgude, Mr. Mrugendra Vasmatkar, Ms. Manisha Joshi, Ms. Priya R. L., Dr. Shanta Sondur, Dr. Manoj Sabnis, Ms. Gauri Sahoo, Mr. Gopalakrishnan, Ms. Madhumati Khuspe, Ms. Kadambari Sharma

Themes for LBS projects this year were:

1. Online education
2. Virtual Lab creation
3. Green innovations in technology
4. Healthcare
5. Data science for society
6. Artificial Intelligence
7. Robotic Process Automation
8. Machine learning



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Following 26 groups were selected for the second round.

S.N	Project ID	Title	E-mail ID (Team Leader)	Mentor Name	E-mail ID (Mentor)	Dept of Mentor
1	P1-01	ERA OF ACCIDENT CESSATION	2018.dixita.pall@ves.ac.in	Dr. Anjali Yeole	anjali.yeole@ves.ac.in	CMPN
2	P1-05	Deface - Creating & Detecting of Deepfakes	2018.ajay.khale@ves.ac.in	Indra Bhattacharya	indra.bhattacharya@ves.ac.in	MCA
3	P1-06	Automated Document Verification for Admission Process.	2018.tajesh.dhokekar@ves.ac.in	Manisha Joshi	manisha.joshi@ves.ac.in	EXTC
4	P1-08	Online Exam Portal	2018.etisha.mathurvaishya@ves.ac.in	Dr. Ramesh Solanki	ramesh.solanki@ves.ac.in	MCA
5	P1-09	Virtual Lab for Analysis of Algorithms	2018.yash.wadhvani@ves.ac.in	Jyoti Bagate	jyoti.dawthar@ves.ac.in	EXTC
6	P2-02	Accident Data Crowd Sourcing System	2019bhairavi.joshi@ves.ac.in	ABHA TEWARI	abha.tewari@ves.ac.in	CMPN
7	P2-04	Fake news detection and Sentiment Analysis of news using Machine Learning	2018.manoj.ayyappan@ves.ac.in	Neeta Chavan	neeta.chavan@ves.ac.in	EXTC
8	P2-05	Poacher detection	2018.divesh.harani@ves.ac.in	Dr. Nandini Ammanagi	nandini.ammanagi@ves.ac.in	EXTC
9	P2-07	Healthcare related topics like drug discovery, genomics, track and prevent diseases, predictive analytics, medical imaging, monitoring patient's health, etc	2018.anuja.shetye@ves.ac.in	Dr. Shermila Sengupta	shermila.sengupta@ves.ac.in	CMPN
10	P2-08	DRISHTI (Automated Exam Surveillance System)	2018.omkar.mane@ves.ac.in	Anushree Prabhu	anushree.prabhu@ves.ac.in	ETRX
11	P3-01	Automatic waste segregator and automation	2019skdharthi.bagde@ves.ac.in	Dr Shiv Kumar Goel	shivkumar.goel@ves.ac.in	MCA
12	P3-02	A CNC robot for Vertical farming	2018.kaustubh.salve@ves.ac.in	Dipti Karani	dipti.karani@ves.ac.in	ETRX
13	P3-03	Drizzlr	2019manav.kukreja@ves.ac.in	Pallavi Gangurde	pallavi.gangurde@ves.ac.in	EXTC
14	P3-04	Sharing of medicine	2019aditi.singh@ves.ac.in	Pooja Shetty	pooja.shetty@ves.ac.in	INFT
15	P3-05	MoodScore Android App	2018.satyam.vishwakarma@ves.ac.in	Vaishali Gatty	vaishali.gatty@ves.ac.in	MCA
16	P3-06	Asana - Enabling remote	2018.harshita.ganpathy	Jayashree	jayashree.hajgude@ves.ac.in	INFT



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		fitness	@ves.ac.in	Hajgude	s.ac.in	
17	P3-07	A Digital Health Monitoring Device	2019ashwini.gawhale@ves.ac.in	Richard Joseph	richard.joseph@ves.ac.in	CMPN
18	P4-02	Digital Stethoscope with AI	2018.jatin.dandele@ves.ac.in	Priya R L	priya.rl@ves.ac.in	CMPN
19	P4-03	PRO-FIT : Your Virtual Fitness Trainer	2018.amit.chhabria@ves.ac.in	Dr. DHANAMMA JAGLI	dhanamma.jagli@ves.ac.in	MCA
20	P4-07	Jeevan Paritrata - A ML based accident management system	2018.abhijit.vivekanand@ves.ac.in	Shobhit Khandare	shobhit.khandare@ves.ac.in	EXTC
21	P5-02	E2 (Education Made Easy)	2019guruskaash.janthakur@ves.ac.in	Amrita Jhaveri	amrita.jhaveri@ves.ac.in	ETRX
22	P5-07	Virtual Lab for Seamless Practicals	2018.jay.jhaveri@ves.ac.in	Asma Parveen I, Siddavatam	asma.parveen@ves.ac.in	INFT
23	P5-08	Data structures and algorithms Visualisation	2018.deepika.gambani@ves.ac.in	Ameya Parker	ameya.parker@ves.ac.in	MCA
24	P6-02	Social welfare website	2018.anmol.rohra@ves.ac.in	Ruchi Rautela	ruchi.rautela@ves.ac.in	MCA
25	P6-04	VEST Aurorickshaw Pairer	2019om.shetty@ves.ac.in	Dr. T. Rajani Mangals	rajani.mangals@ves.ac.in	ETRX
26	P5-05	"Credit Card Fraud Detection"	2019shivoham.angal@ves.ac.in	Abhishek Chaudhari	abhishek.chaudhari@ves.ac.in	ETRX

First review presentation of the projects taken on 23rd Nov 2020.

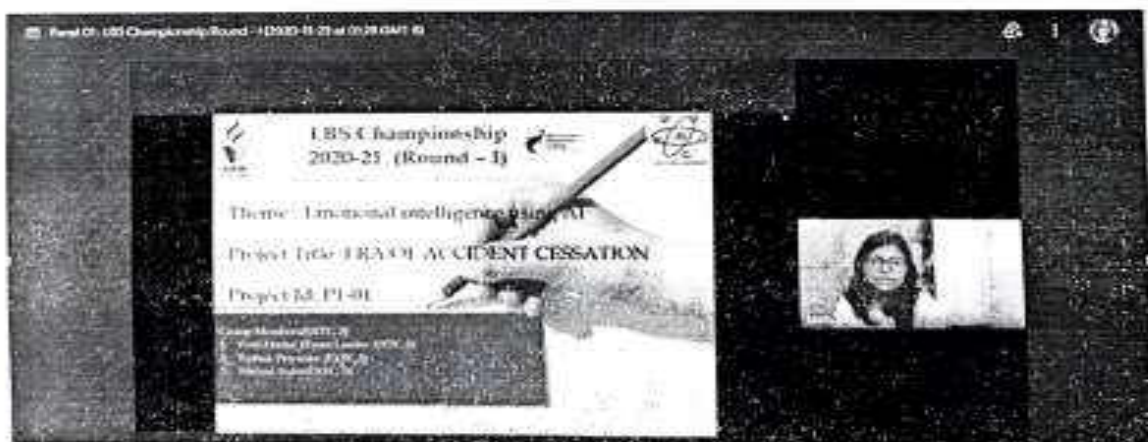


Fig 1: Proposal Presentation by Student Team



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Fig 2: Project Review by Panel of Judges

Second stage review presentation was held on 24th April 2021 where students presented their 75- 80% completed projects. The projects were screened by a panel of experienced faculty members: Mrs. Priya R. L., Dr (Mrs) T. Rajani Mangala, Mrs. Anuradha Jadiya, Mrs. Gauri Sahoo, Mrs. Kadambari Sharma and Mrs. Jayashree Haigude.

## LIST OF 16 GROUPS SELECTED FOR FINALS

S.N o.	Project ID	Title	E-mail ID (Team Leader)	Mentor Name	Dept of Mentor
1	P1-01	Era Of Accident Cessation	<a href="mailto:2018.dixita.patil@ves.ac.in">2018.dixita.patil@ves.ac.in</a>	Dr. Anjali Yeole	CMPN
2	P1-06	Automated Document Verification for Admission Process.	<a href="mailto:2018.tejas.dhopavkar@ves.ac.in">2018.tejas.dhopavkar@ves.ac.in</a>	Manisha Joshi	EXTC
3	P2-04	Fake news detection and Sentiment Analysis of news	<a href="mailto:2018.manoj.avyappa@ves.ac.in">2018.manoj.avyappa@ves.ac.in</a>	Neeta Chavan	EXTC



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		using Machine Learning			
4	P2-05	Poacher detection	<a href="mailto:2018.divesh.harjani@ves.ac.in">2018.divesh.harjani@ves.ac.in</a>	Dr. Nandini Ammanagi	EXTC
5	P2-07	Healthcare related topics like drug discovery, genomics, track and prevent diseases, predictive analytics, medical imaging, monitoring patient's health, etc	<a href="mailto:2018.anuja.shetye@ves.ac.in">2018.anuja.shetye@ves.ac.in</a>	Dr. Sharmila Sengupta	CMPN
6	P2-08	DRISHTI (Automated Exam Surveillance System)	<a href="mailto:2018.omkar.mane@ves.ac.in">2018.omkar.mane@ves.ac.in</a>	Anushree Prabhu	ETRX
7	P3-01	Automatic waste segregator and automation	<a href="mailto:2019siddharth.bagde@ves.ac.in">2019siddharth.bagde@ves.ac.in</a>	Dr Shiv Kumar Goel	MCA
8	P3-03	Drizzlr	<a href="mailto:2019manav.kukreja@ves.ac.in">2019manav.kukreja@ves.ac.in</a>	Pallavi Gangurde	EXTC
9	P3-04	Sharing of medicine	<a href="mailto:2019aditi.singh@ves.ac.in">2019aditi.singh@ves.ac.in</a>	Pooja Shetty	INFT
10	P3-05	MoodScore Android App	<a href="mailto:2018.satyam.vishwakarma@ves.ac.in">2018.satyam.vishwakarma@ves.ac.in</a>	Vaishali Gatty	MCA
11	P3-06	Asana - Enabling remote fitness	<a href="mailto:2018.harshita.ganpathy@ves.ac.in">2018.harshita.ganpathy@ves.ac.in</a>	Jayshree Hajgude	INFT
12	P4-02	Digital Stethoscope with AI	<a href="mailto:2018.jatin.dandelia@ves.ac.in">2018.jatin.dandelia@ves.ac.in</a>	Priya R L	CMPN
13	P4-07	Jeevan Paritrata - A ML based accident management system	<a href="mailto:2018.abhijit.thikekar@ves.ac.in">2018.abhijit.thikekar@ves.ac.in</a>	Shobhit Khandare	EXTC
14	P5-02	E2 (Education Made Easy)	<a href="mailto:2019guruakaash.janthalur@ves.ac.in">2019guruakaash.janthalur@ves.ac.in</a>	Amrita Jhaveri	ETRX
15	P5-08	Data structures and algorithms Visualisation	<a href="mailto:2018.deepika.gambani@ves.ac.in">2018.deepika.gambani@ves.ac.in</a>	Ameya Parkar	MCA
16	P6-02	Social welfare website	<a href="mailto:2018.anmol.rohra@ves.ac.in">2018.anmol.rohra@ves.ac.in</a>	Ruchi Rautela	MCA



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## Second Round Presentation taken on 24th April 2021

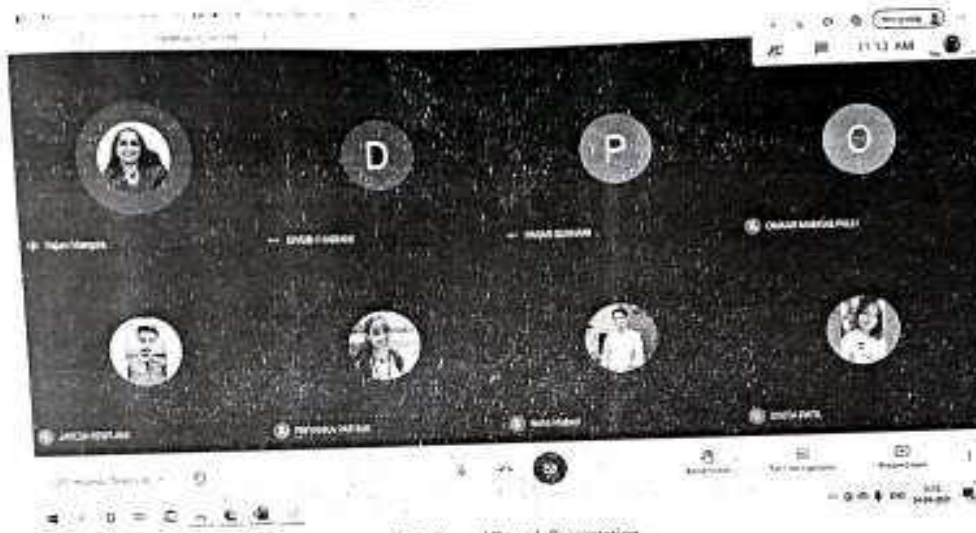


Fig 3: Second Round Presentation

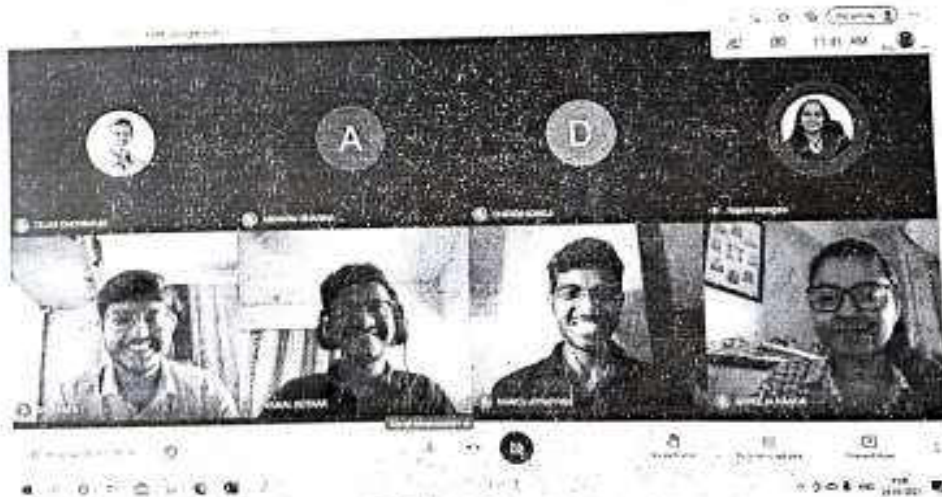


Fig 4: Project Progress Review

Final stage of the LBS championship was organized on 30th April 2021. Out of 16 Shortlisted teams in the second round 14 teams showcased their projects on the online platform (VESIT



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The screenshot displays two video presentations from an LBS E-xhibition 2020-21. The top video, 'MEDICAMENT', is a 1:23 video with 301 likes and 23 comments. It features a dark background with circuit-like patterns and lists the team members: Aditi Singh, Devang V. Chandivade, Mehul Jain, Sushanth Chetipally, and Siddhesh V. Dhamanaskar. The bottom video, 'DRISHTI (Automated Exam Surveillance System)', is a 2:11 video with 335 likes and 38 comments. It has a white background with wavy lines and lists team members: Omkar Mane, Aditya Gurnani, Advait Naik, and Krish Amesur. Both videos include logos for V.E.S. and the Institution's Innovation Council.

**MEDICAMENT**  
MENTOR: POOJA BHETAVJI  
TEAM VATEL  
PROJECT ID: P3-04  
ADITI SINGH  
DEVANG V. CHANDIVADE  
MEHUL JAIN  
SUSHANTH CHETIPALLY  
SIDHESH V. DHAMANASKAR

**DRISHTI**  
AN EXAM SURVEILLANCE SYSTEM  
PROJECT ID: P2-08  
TEAM MEMBERS:  
OMKAR MANE  
ADITYA GURNANI  
ADVAIT NAIK  
KRISH AMESUR



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LBS E-exhibition 2020-21



LBS GR-14 Team Drizzle - AeroDrip (Project ID P3-03)

201 item - 421 views, 2021

Like 450 | Comment 15 | Share | Save

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

## LBS COORDINATORS

Mrs. Ruchi Rautela, Assistant Professor, (MCA)  
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)  
Mrs. Gauri Sahoo, Assistant Professor, (ETRX)

## LBS IN-CHARGE:

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





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## LBS Report 2019-20



### LBS VESIT ANNUAL REPORT 2019-20

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 2019-20 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.



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



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



Fig 1: Students Presenting their Projects



Fig 2: Panel of Judges Reviewing the Project



Fig 3: Panel of Judges Reviewing the Project



Fig 4: Q & A in the session



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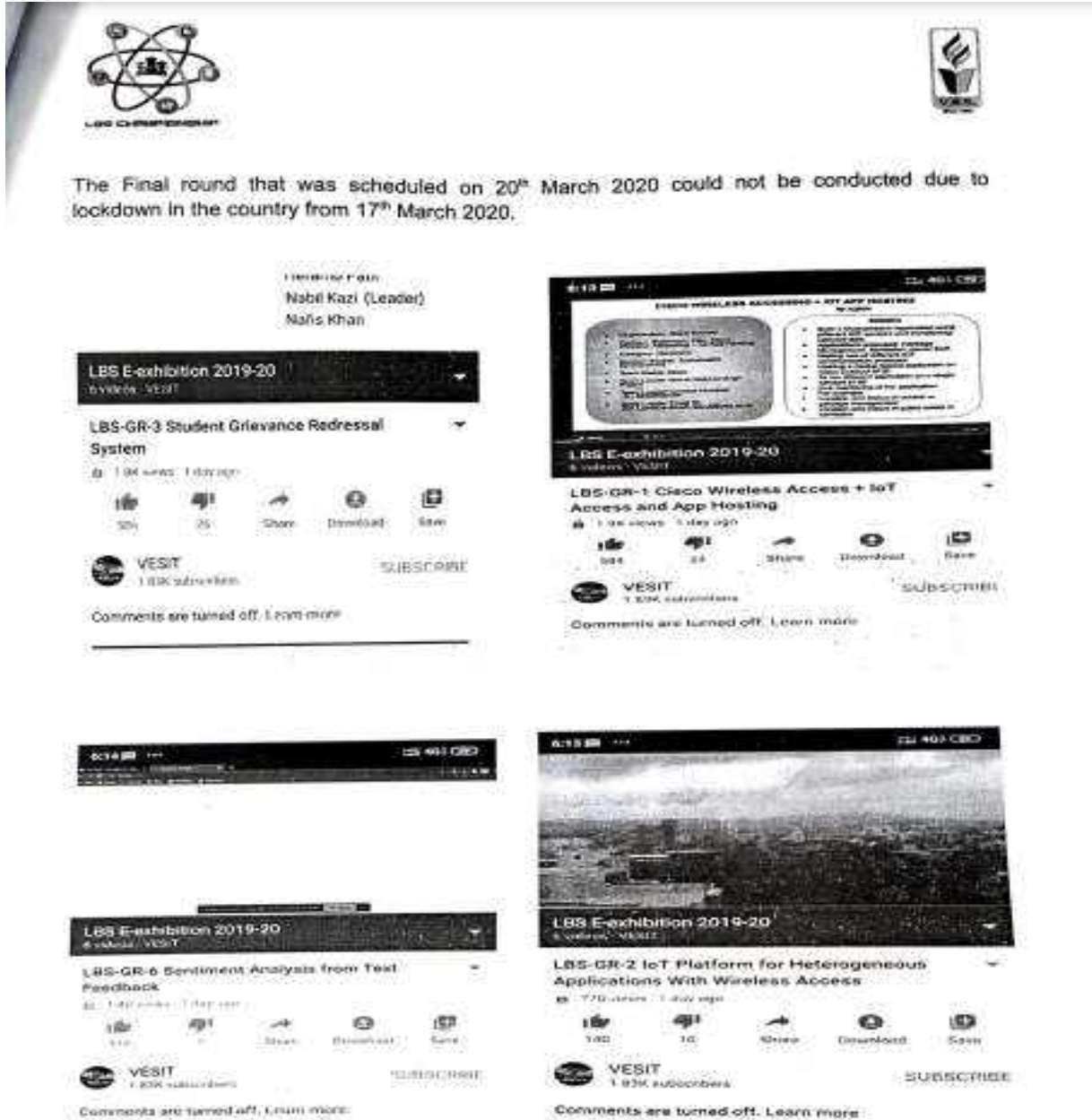
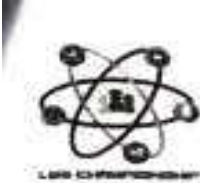


Fig 5: Screenshots of uploaded videos on YouTube for E- Exhibition



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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 an 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 the e-exhibition.

- 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
- 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
- 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
- Title:** Public Toilet Health Check  
**Mentor:** Ms. Anushree Prabhu  
**Team Members:** Shrikrishna Pai, Kalyani Ingole, Atharva Ghodegaonkar, Sakthivel Selvaraj Nadar
- Title:** Automatic Number Plate Recognition System  
**Mentor:** Mrs. Arti Sawant  
**Team Members:** Jay Jhaveri, Abhay Gupta, Prem Chhabria, Sahil Lotya, Rahul Koli, Prasad Govekar
- Title:** Sentiment Analysis from Text Feedback  
**Mentor:** Mrs. Manisha Joshi  
**Team Members:** Yash Gumani, Kartik Chindarkar, Nikhil Gaikwad, Pajakta Gole, Deepak Muwani, Himanshu Pingulkar



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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. Kedarni Sharma, Assistant Professor, (INST)

Mrs. Anuradha Jadiya, Assistant Professor, (EXTC)

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

Mrs. Jayashree Hajgude, Assistant Professor, (IT)

Mrs. Jayashree Hajgude, Assistant Professor, (IT)

Mrs. Ruchi Rautela, Assistant Professor, (MCA)

Mrs. Gauri Sahoo, Assistant Professor, (ETRX)

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## LBS Report 2018-19



### VESIT LBS CHAMPIONSHIP REPORT 2018-19

LBS is an annual event in our Institution which was the idea of our Principal madam where different student groups come up with their ideas and make a project.

This year we have made this event a college level competition by having a theme and renamed it as LBS Championship 2018-19.

We have invited entries from our II and III year students of BE and I and II year MCA students for LBS CHAMPIONSHIP 2018-19 where they were asked to propose a solution in the form of an App or a product benefiting the Society. Also, we asked the interested faculty members to register as mentors.

We got about 55 registrations from the student groups and 38 mentor registrations for the first round.

This competition has three rounds of elimination:

**I round of elimination:** LBS championship 2018-19 Round I was conducted on 10<sup>th</sup> October 2018 between 1 pm and 3 pm in room numbers 523 and 524. The student teams presented their problem statements in three minutes time and two minutes were assigned for the Q&A session. The senior faculty members judged the projects based on the novelty of the ideas proposed and feasibility and 38 groups were selected for the next round.

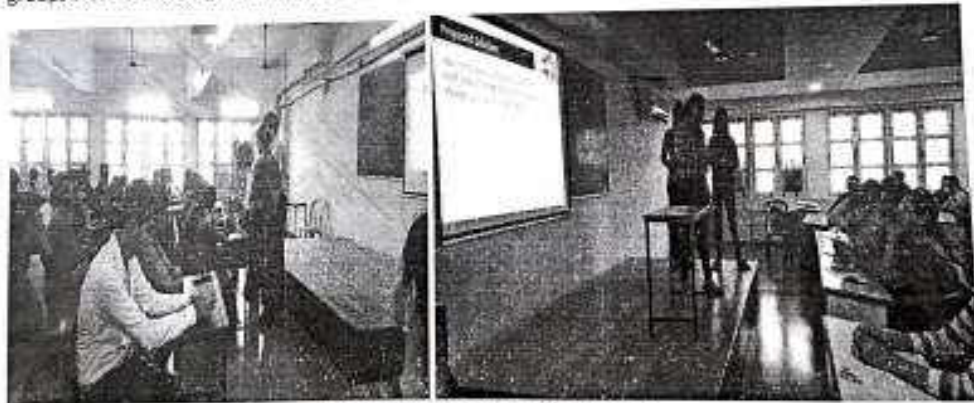


Fig 1: Students presenting their project proposal

**II round of elimination –** LBS championship 2018-19 Round II was held on 2<sup>nd</sup> February 2019 by our experienced alumni. The projects were judged based on about 70-80% completion of the project and innovative ideas. In this 37 teams participated and 11 were selected for the III round.



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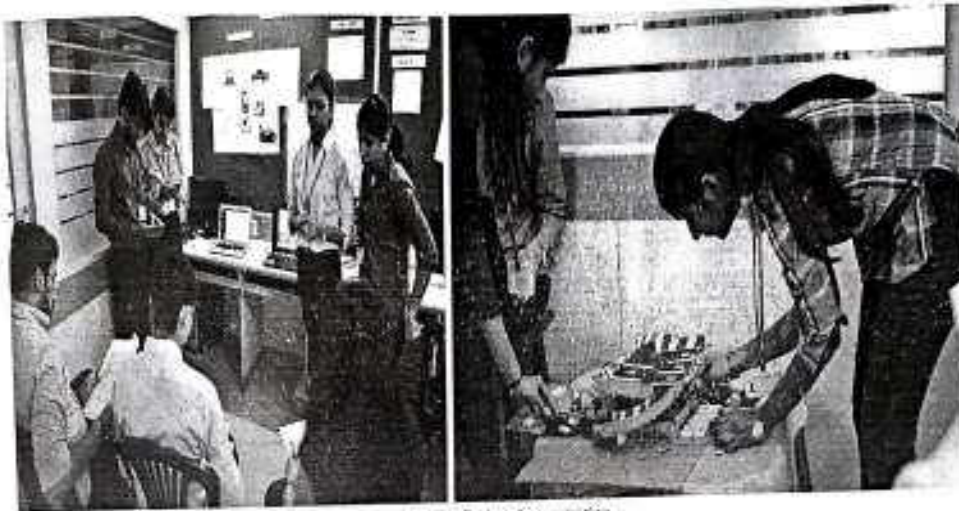


Fig 2: Project demonstration

III round of elimination and the finals – LBS championship 2018-19 Round III was held on 2<sup>nd</sup> March 2019 and the judges were from the industry. We had a panel of 6 judges and criteria for judgment was conversion of this prototype in to a final product.

Quantiphil sponsored our prizes - I prize- Rs.10000, II prize - Rs. 7000 and III prize - Rs. 3000.

The prizes distribution ceremony would be held on 20<sup>th</sup> March 2019, Technology day.

The following teams won the LBS Championship 2018-19-

Position	Code	Title	Project Leader	Mentor
First	LBS-523-09	Air Pollution Sensing using Wireless Sensor Networks	Sunit Raut - TE - EXTC Shubham Annigeri - TE - EXTC Shubham Madhavi - TE- EXTC Shreyas Padate -TE- EXTC	Mr. AjinkyaValanjoo EXTC
Second	LBS-524-32	Water E-Governance	Paarth Nilesh Arkadi SE -ETRX Ankit Deopurkar- SE-ETRX Megha Sahu -SE- INFT Juyee Sabade - SE -INFT	Dr. Shiv Kumar Goel -MCA
Third	LBS-523-12	Prosthetic Leg	Siddhant Satam SE- EXTC Abhishek Desale SE -EXTC Sal Rane SE- EXTC Phalguni Shendye SE- EXTC	Mr. Abhishek Chaudhari -ETRX
Third	LBS-523-20	Smart parking system	Aaryaa Padhyegurjar SE- ETRX Nikita Patel SE- ETRX Vaidehi Phaltankar SE- ETRX Sayli Sawant SE- ETRX	Mrs. Nusrat Ansari-EXTC



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Fig 3: Wiring train



Fig4 : Final Round Judges Panel



Fig5: Winners with Judges, Mentors and LBS organising team

## LBS COORDINATORS

Mrs. Ruchi Rautela, Assistant Professor, (MCA)  
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)  
Mrs. Gauri Sahoo, Assistant Professor, (ETRX)

## LBS IN-CHARGE:

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





# Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

## LBS Report 2017-18



### LBS Report ( 2017-18)

The LBS Projects for the academic year 2017-18 were theme based.

The following themes were given to the II and III year students

- Tools to improve education quality in rural India
- Transparent systems for zero corruption
- Energy/ natural resource management
- Tools to improve the existing systems and processes in VESIT
- Smart transport/transportation systems
- Smart healthcare
- Smart agriculture
- Smart security
- Smart city
- Swachh Bharat
- Weather forecast and management

The following projects were selected by the department and the department coordinators

#### SELECTED LBS PROJECTS 2017-18

SR. NO.	TITLE
<b>Department of Electronics</b>	
1	Swachh Bharat
2	Quadcopter
3	Smart Parking
4	Audio scrambling
5	Master Slave Based Control Systems
6	Android based Bluetooth controlled detection
7	Any time medicine
8	Smart trash can for automated waste disposal management
<b>Department of Electronics and Telecommunication</b>	
1	Emergency distress call android app
2	Detection and identification of soya bean leaf disease using mobile application
3	Bio-electricity generator using MATLAB
4	The health care network
5	EXTC at one touch
6	Real time bus arrival prediction system
7	Real world vaporware portable charge with sandwich cell
<b>Department of Instrumentation</b>	
1	Smart irrigation
2	Manually operated cleaning robot
3	Characteristics of moisture sensor



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4	Solar based wireless data acquisition system
<b>Department of Computer Engineering</b>	
1	Society Connect
2	Traffic Signal management
3	Robo-arm
4	IoT in automobiles
5	Smart health care monitoring system
6	Energy management and monitoring
7	Agrotech: Agriculture revolutionized
<b>Department of Information Technology</b>	
1	Auto car pooling
2	Motion sensor
3	Smart city garbage collection and monitoring system
4	Smart glasses for the blind
5	Smart dustbins
6	Health record management system
<b>Department of Master of Computer Applications</b>	
1	Mobile medicare
2	Smart healthcare
3	Security one in all
4	Swachhata drone
5	Smart health care

On the Technology day which was celebrated on the 20<sup>th</sup> March 2018, all the projects were displayed and were judged by the senior faculty of all the departments.

Based on the evaluation sheets summary, the following were declared as winners.

Position	Topic	Class
I	Sandwich cell	D14 A
II	Cleaning bot	D13
III	Smart home security	D 15

  
 LBS coordinator  
 Dr. T. Rajani Mangala





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## LBS Report 2016-17



### Looking Beyond Syllabus Report

2016-17

1. Notice for the II and II year students for submission of their ideas was given on 8<sup>th</sup> September, 2016
2. Problem statements were submitted to the department coordinators by the students.

Branch	Number of project Ideas/ problem statements submitted	Number projects selected for LBS
Electronics	29	5
Computer	12	5
Instrumentation	7	5
Electronics and Telecommunication	34	5
Information Technology	5	5
MCA	1	1

3. A meeting with Principal, Vice-Principal, Mentors, Department Co-coordinators was held on 10<sup>th</sup> February, 2017 at 10:30 pm and the defaulter student groups.
4. It was decided in the meeting that the notice for the LBS of next year would be floated now with broad themes.
5. A project review was held on 4<sup>th</sup> March 2017 and the review was done by Dr. N Charniya, Dr. C.D. Rawat, Dr. M.D. Patil and Mr. Abhay Kshirsagar for Electronics, Instrumentation and Electronics and Telecommunication and Dr. Shalu Chopra, Dr. Gresha Bhatia, Mr. Manoj Sabnis, Mrs. Sujata Khedkar for Computer, Information and Technology and MCA.
6. Final presentation of the selected groups was held on 20<sup>th</sup> March, Technology Day. The reviewers were Mr. V.M. Joshi, Mrs. Ajita Kanitkar, Mrs. Smita Jangle and Ms. Saylee (Flosippy).

Dr. T. Rajani Mangala

LBS In-charge



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