



Since 1962

Vivekanand Education Society's Institute of Technology

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

Dr. (Mrs.) J. M. Nair

M. Tech., Ph.D. (IIT-B)
Principal

Ref. No.: VESIT/ JMN/1325/2023-24

Date: 26/10/2023

TO WHOM SO IT MAY CONCERN

I, Dr. (Mrs.) Jayalekshmi M Nair, Principal (HOI), Vivekanand Education Society's Institute of Technology, do hereby state that the documents uploaded on NAAC portal are duly signed by Principal (HOI).

The additional documents uploaded on Institute's website (<https://vesit.ves.ac.in/>) are also authentic and does not need any extra validation.

Dr. (Mrs) Jayalekshmi M Nair
Principal

Vivekanand Education Society's Institute of Technology
Hashu Advani Memorial Complex,
Collector's Colony
Chembur, Mumbai, Maharashtra 400074





Vivekanand Education Society's Institute of Technology

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

Best Practice 1 - Looking Beyond Syllabus(LBS)



LBS VESIT ANNUAL REPORT 2021-22

LBS stands for "Looking Beyond Syllabus" Activity. This event is a college 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 in collaboration with IIC began by inviting entries on September 23rd, 2021 from our II and III year students of BE and I year MCA students for LBS CHAMPIONSHIP 2021-22 where they were asked to propose a solution in the form of an app or a product benefiting the Society. Registration form was open for students till 20th Oct 2021.

Online mentor registration form was sent in which interested faculty can apply for mentoring the projects according to their area of interest. 29 faculty from various departments registered for the same.

First review presentation of the project was held online on 22nd October 2021. The LBS team comprising of Dr (Mrs) T. Rajani Mangala, Mrs. Priya R. L, Mrs. Anuradha Jadiya, Mrs. Gauri Sahoo, Mrs. Kadambari Sharma, Mrs. Ruchi Rautela, Mrs. Jayashree Hajgude and Mr. Ajinkya Valanjoo, scrutinized the project proposals. Proposals were examined based on the relevance and validation of the problem & solution, feasibility of the solution and applicability of the solution. The result of LBS Championship 2021-22 Round - 1 were declared on Nov 15, 2021.

Themes for LBS projects 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

Following 27 groups were selected for the second round.

Round 1

LBS Championship 2021-22

| S.No. | Title of the project | Team Leader | Email ID of Team Leader | Mentor Allocated | Department of the Mentor |
|-------|----------------------|---------------|--|------------------|---------------------------------|
| 1 | AI Assistant | Nimisha Jain | 2020.nimisha.jain@ves.ac.in | Mrs. Priya R. L | Computer Engineering |
| 2 | AI in Agriculture | Prasad Jawale | 2020.prasad.jawale@ves.ac.in | Mr. Ameya Parkar | Master of Computer Applications |



Vivekanand Education Society's Institute of Technology

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

| | | | | | |
|----|---|------------------------------|--|-------------------------|-----------------------------------|
| 3 | AttendMe: Student Attendance System Using NFC | Riya Shukla | 2019riya.shukla@ves.ac.in | Dr. Dhanamma Jagli | Master of Computer Applications |
| 4 | Caesar Cipher Cyber Security | Yashraj Mulwani | 2020.yashraj.mulwani@ves.ac.in | Mrs. Amrita Jhaveri | Electronics Engineering |
| 5 | Campus Connect - The College Discussion App | Anuj Sanjay Patil | 2019anuj.patil@ves.ac.in | Mrs. Jyoti Bagate | Electronics and Telecommunication |
| 6 | Contactless Hand & Accessories Disinfectant | Prajyot Kamble | 2019.prajyot.kamble@ves.ac.in | Dr. Parmeshwar Birajdar | Electronics Engineering |
| 7 | Cricket prediction system | Avanish Srivastava | 2020.avanish.srivastava@ves.ac.in | Dr Shiv Kumar Goel | Master of Computer Applications |
| 8 | Demand Supply Equalizer | Omkar Pawar | d2019omkar.pawar@ves.ac.in | Dr. Sharmila Sengupta | Computer engineering |
| 9 | Disaster Response using Twitter | Meet Patel | 2019meet.patel@ves.ac.in | Mrs. Dipti Karani | Electronics Engineering |
| 10 | Forum for VES | Anurag Saraswat | 2019anurag.saraswat@ves.ac.in | Mr. Prashant Kanade | Computer Engineering |
| 11 | GistGator (MoM) | Shubham Zope | 2019shubham.zope@ves.ac.in | Mrs. Ruchi Rautela | Master of Computer Applications |
| 12 | HeaLief-Health Tracker | Yukta Talgana | 2019sakshi.singh@ves.ac.in | Mrs. Richa Sharma | Computer Engineering |
| 13 | Hospital Management System | Gautam Wadhvani | 2020.gautam.wadhvani@ves.ac.in | Mrs. Nusrat Ansari | Computer Engineering |
| 14 | KeyLogger | Om Madat | 2020.om.madat@ves.ac.in | Mrs. Asha Bharambe | Information Technology |
| 15 | Kisan Mitra Bot | Yashraj Desai | 2019yashraj.desai@ves.ac.in | Dr. Nandini Ammanagi | Electronics and Telecommunication |
| 16 | MeetUp VESITY | Dhaval Mahajan | 2019dhaval.mahajan@ves.ac.in | Mr. Richard Joseph | Computer Engineering |
| 17 | Online Railway Ticket Booking System | Isha Desai | 2020.isha.desai@ves.ac.in | Mrs. Mannat Daultani | Computer Engineering |
| 18 | Plant Recognition System | Saritha Ponnambalan Tharakan | 2019saritha.tharakan@ves.ac.in | Mrs. Manisha Joshi | Electronics and Telecommunication |
| 19 | Quality Assurance using Blockchain | Bhavya Hingorani | 2019bhavya.hingorani@ves.ac.in | Mrs. Kajal Jewani | Information Technology |



Vivekanand Education Society's Institute of Technology

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

| | | | | | |
|----|---|-----------------------------------|--|------------------------------|--|
| 20 | Recycling Noise | Phalguneshwar i Borikar | 2019phalguneshwari.borikar@ves.ac.in | Mrs. Anushree Prabhu | Electronic Engineering |
| 21 | SHIKSHA - A Career Guide | Yash Kriplani | 2019yash.kriplani@ves.ac.in | Dr.Saylee Gharge | Electronics and Telecommunication |
| 22 | Smart Pill Dispenser | Aishvarya Mahadeo Birambole | 2019aishvarya.birambole@ves.ac.in | Mr. Shobhit Khandare | Electronics & Telecommunication |
| 23 | Touch Surface Projector | Sahil Ganesh Parab | 2020.sahil.parab@ves.ac.in | Mr. Ajinkya Valanjoo | Artificial Intelligence and Data Science |
| 24 | Unicache | Vraj Mehta | 2019.vraj.mehta@ves.ac.in | Mrs. Pallavi Gangurde | Computer Engineering |
| 25 | VED : Ayurvedic website | Bhargav Mungekar | 2020.bhargav.mungekar@ves.ac.in | Mrs. Jayshree Hajgude | Information Technology |
| 26 | Water quality monitoring system for Fish Farming | Farheen khan | 2019farheen.khan@ves.ac.in | Dr.Monali Chaudhari | Electronics and Telecommunication |
| 27 | The Vulcans_Home Automation | Shreya Raghunath Kate | 2019shreya.kate@ves.ac.in | Mr. Abhishek Chaudhari | Electronics Engineering |

First review presentation of the projects taken on 22nd Oct 2021.

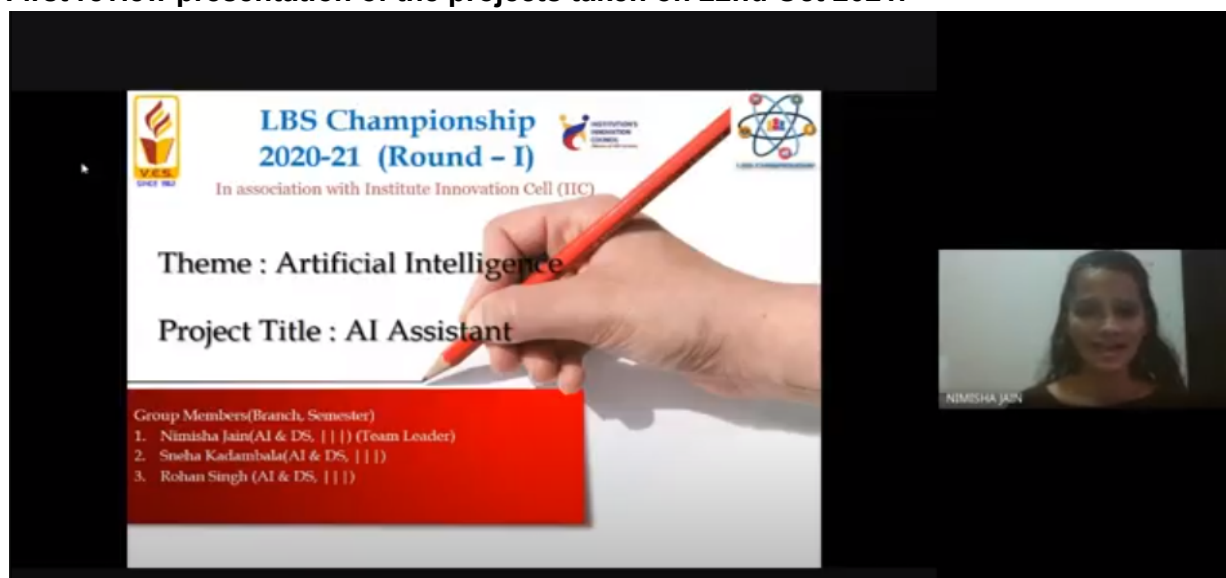


Fig 1: Proposal Presentation by Student Team



Vivekanand Education Society's Institute of Technology

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



In Association with Institution's Innovation Council (IIC) &
Internal Quality Assurance Cell (IQAC)

Looking Beyond Syllabus Team

Announcing LBS Competition 2021-22

(An effort to enhance knowledge)

(Stage-I: Selection round)

The objective of LBS is to encourage students to exhibit various innovative theme-based projects on emerging technologies, develop interaction of the students with the faculty members, enhance team building ability, to provide competitive environment in students to exhibit their project making skills and motivate the students to come up with innovative solutions for the problems based on themes. These themes are derived from the sustainable goals.

After receiving very good response from the students and the faculty for around last 10 years, we are back again with a bang. We have received enormous student entries for this academic year too.

We present our 1st round of selection on 22nd October 2021.

VESIT LBS Team

LBS In-charge

Dr. (Mrs.) Rajani Mangala

Departmental LBS In-charges

Mrs. Kadambari Sharma (INST)

Mrs. Jayashree Hajgude (IT)

Mrs. Priya R. L. (CMPN)

Mrs. Anuradha Jadiya (EXTC)

Mrs. Gauri Sahu (ETRX)

Mrs. Ruchi Routela (MCA)

Mr. Ajinkya Valanjoo (AI&DS)

Shri. B. L. Boolani

President, VES

Dr. (Mrs.) J. M. Nair

Principal, VESIT

Dr. (Mrs.) M. Vijayalakshmi

Vice-Principal, VESIT

Hashu Advani Memorial Complex, Collector's Colony, Chembur (E), Mumbai - 400074, INDIA
Tel. 022-61532532 Fax: 022-61532555 Email: vesit@ves.ac.in/principal.vesit@ves.ac.in, website <https://ves.ac.in/vesit/>

Fig 2: Poster for Stage 1

Second stage review presentation was held on 19th & 20th February 2022 where students presented their 75- 80% completed projects. The projects were screened by a panel of experienced alumni members: Mr. Nikhil Ahuja, Mr. Ajit Patil, Mr. Prithvi Shetty, Ms. Roma Motwani, Mr. Pratik Thorat, Mr. Gaurav Sahu, Ms. Megha Sahu, Mr. Rajiv Yadav, Mr. Shubham Safaya, Mr. Souvik Saha, Ms. Sonal Narvekar and Mr. Nitin Aswal.



Vivekanand Education Society's Institute of Technology

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



In Association with Institution's Innovation Council (IIC) & Internal Quality Assurance Cell (IQAC)

Looking Beyond Syllabus Team

Announcing LBS Championship 2021-2022 (An effort to enhance knowledge)

(Stage - II: Selection of teams to participate in finals)

The objective of LBS is to encourage students to exhibit various innovative theme-based projects on emerging technologies, develop interaction of the students with the Faculty members, enhance team building ability and to provide a competitive environment for students to exhibit their project making skills and motivate the student to come up with innovative ideas for problems based on themes.

We present our 2nd round of selection on 19th & 20th February 2022.

| | | |
|--|---|---|
| <p>LBS Incharge Dr. (Mrs.) Rajani Mangla</p> | <p>VESIT LBS Team</p> | <p>Department LBS Inchargees Mrs. Kadambari Sharma (IN&T) Mrs. Ruohi Rautela (MCA) Mrs. Gauri Sahoo (ETRX) Mrs. Priya R. L. (CMPN) Mrs. Anuradha Jadhya (EXTC) Mrs. Jayashree Hajgude (INFT) Mr. Ajinkya Valanjoo (AIS&B)</p> |
| <p>Shri. B. L. Boolani President, VES</p> | <p>Dr.(Mrs.) J. M. Nair Principal</p> | <p>Dr. (Mrs.) M. Vijayalaxshmi Vice Principal</p> |

Hazhu Advani Memorial Complex, Collector's Colony, Chembur (E), Mumbai - 400074, INDIA
Tel: 022-41592592 Fax: 022-41592555 Email: vesit@ves.ac.in / principal.vesit@ves.ac.in, website: www.ves.ac.in/vesit/

Fig 3: Poster for Stage 2

LIST OF 12 GROUPS SELECTED FOR FINALS:

| S.No | Title of the project | Team Leader | Email ID of Team Leader | Mentor Allocated | Department of the Mentor |
|------|-------------------------|---------------|--|-----------------------|----------------------------------|
| 1 | AI Assistant | Nimisha Jain | 2020.nimisha.jain@ves.ac.in | Mrs. Priya R. L | Computer Engineering |
| 2 | AI in Agriculture | Prasad Jawale | 2020.prasad.jawale@ves.ac.in | Mr. Ameya Parkar | Masters of Computer Applications |
| 3 | Demand Supply Equalizer | Omkar Pawar | d2019omkar.pawar@ves.ac.in | Dr. Sharmila Sengupta | Computer Engineering |



Vivekanand Education Society's Institute of Technology

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

| | | | | | |
|----|--|------------------------------|--|----------------------|-----------------------------------|
| 4 | Forum for VES | Anurag Saraswat | 2019anurag.saraswat@ves.ac.in | Mr. Prashant Kanade | Computer Engineering |
| 5 | GistGator (MoM) | Shubham Zope | 2019shubham.zope@ves.ac.in | Mrs. Ruchi Rautela | Masters of Computer Applications |
| 6 | Kisan Mitra Bot | Yashraj Desai | 2019yashraj.desai@ves.ac.in | Dr. Nandini Ammanagi | Electronics and Telecommunication |
| 7 | MeetUp VESITY | Dhaval Mahajan | 2019dhaval.mahajan@ves.ac.in | Mr. Richard Joseph | Computer Engineering |
| 8 | Online Railway Ticket Booking System | Isha Desai | 2020.isha.desai@ves.ac.in | Mrs. Mannat Daultani | Computer Engineering |
| 9 | Plant Recognition System | Saritha Ponnambalan Tharakan | 2019saritha.tharakan@ves.ac.in | Mrs. Manisha Joshi | Electronics and Telecommunication |
| 10 | SHIKSHA - A Career Guide | Yash Kriplani | 2019yash.kriplani@ves.ac.in | Dr. Saylee Gharge | Electronics and Telecommunication |
| 11 | Smart Pill Dispenser | Aishvarya Mahadeo Birambole | 2019aishvarya.birambole@ves.ac.in | Mr. Shobhit Khandare | Electronics and Telecommunication |
| 12 | Water quality monitoring system for Fish Farming | Farheen khan | 2019farheen.khan@ves.ac.in | Dr. Monali Chaudhari | Electronics and Telecommunication |

LBS championship 2021-22 Final round was held online on 26th & 27th March 2022 and the judges were experts from the Industry. We had a panel of 4 judges and criteria for judgment was conversion of this prototype into a final product. Mr. Prasad Rao from Tata Power, Mr. Ritesh Nehate from TCS Ltd, Mr. Vishal Jadiya from Hexaware Technologies, Mr Sanjay Jain from NPCIL judged the completed projects in the final round.



Vivekanand Education Society's Institute of Technology

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

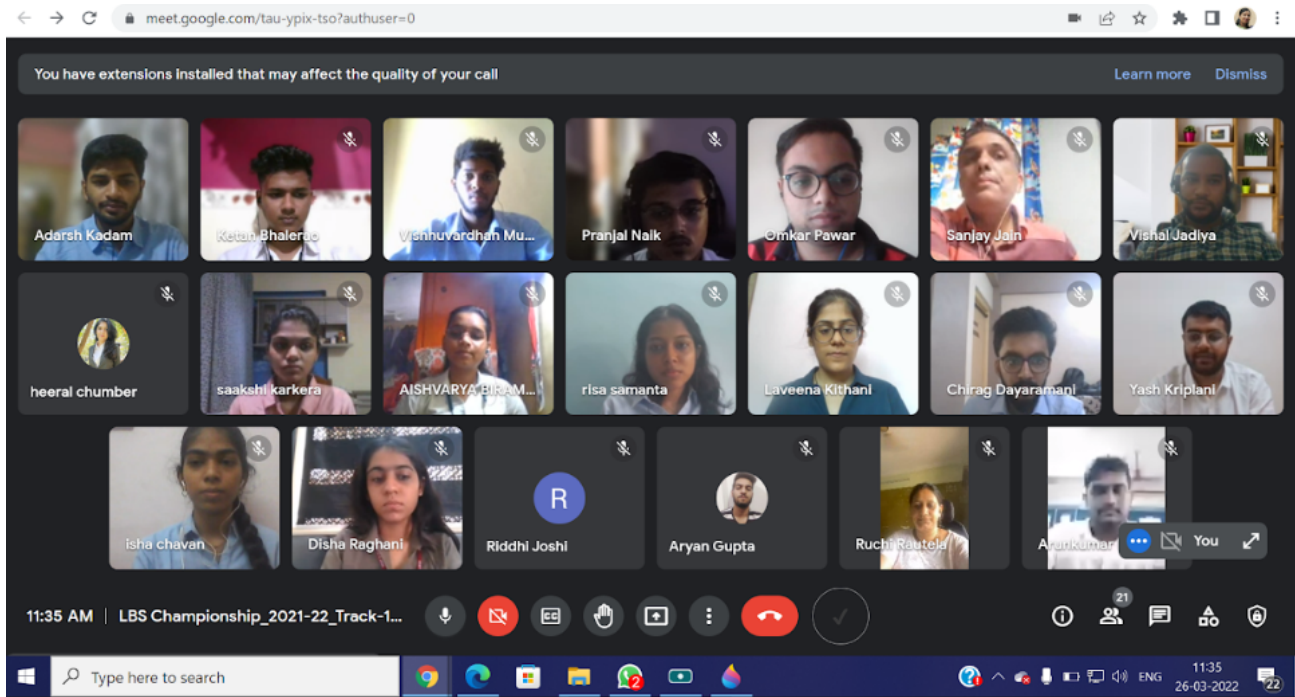


Fig. 4 Final round project presentation

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 views obtained by each project.

The following teams won the LBS Championship 2021-22.

1st Position: Project Title - AI in Agriculture

Mentor: Mr. Ameya Parkar (Assistant Professor, MCA)

Team: (AI & DS, SE)

Prasad Jawale

Priyanshu Singh

Deepak Prasad

Tejas Patne

2nd Position: Project Title - Smart Pill Dispenser

Mentor: Mr. Shobhit Khandare (Assistant Professor, EXTC)

Team: (EXTC, TE)

Aishvarya Mahadeo Birambole



Vivekanand Education Society's Institute of Technology

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

Risa Samanta,
Saakshi Karkera

3rd Position: Project Title - GistGator (MoM)

Mentor: Ruchi Rautela (Assistant Professor, MCA)

Team: (CMPN, TE)

Shubham Zope

J N Guru Akaash

Nihar Kenny

Nair Ajay Ravindran

The prize distribution ceremony was held on 21st April 2022, on annual day.



Fig. 5 Winning team with trophy



Vivekanand Education Society's Institute of Technology

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



Fig. 6 1st Runners up team with trophy



Fig. 7 2nd Runners Up team with trophy



Vivekanand Education Society's Institute of Technology

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

LBS TEAM



Lbs In-Charge
Dr. (Mrs.) T. Rajani Mangala,
Professor, (ETRX)

LBS Coordinators



Mrs. Gauri Sahoo
Assistant Professor
ETRX



Mrs. Priya R. L
Assistant Professor
CMPN



Mrs. Kadambari Sharma
Assistant Professor
INST



Mrs. Anuradha Jadiya
Assistant Professor
EXTC



Mrs. Jayashree Hajgude
Assistant Professor
INFT



Mr. Ajinkya Valanjoo
Assistant Professor
AI & Data Science



Mrs Ruchi Rautela
Assistant Professor
MCA