



Vivekanand Education Society's Institute of Technology

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

Awaking the Scientist

❖ Department of Humanities and Applied Sciences

In order to become a professional and remain competitive in this highly commercial world one has to master the art of working in groups and teams along with sound knowledge of the field. Having a good balance of team work along with technical knowledge cannot be developed overnight and requires an attitude of sharing and caring. Awakening the Scientist is an opportunity given to the First-year students to take the first step in this transformation of a student to a professional. First year students make groups and each group identifies the basic engineering and technology used in equipment, gadgets and tools used in day-to-day life. The group will have to relate to the past, present and future of the technology used.

2020-21

| Group No | Name of Group Leader | Class | Group Members | Name of Topic |
|----------|-------------------------|-------|--|-------------------|
| Group 1 | Radhika Subhash Damle | D4B | Niyati Dattatray Deshmukh Shantanu Nilesh Deshmukh Dsouza Alrich Xavier Paul | Clock |
| Group 2 | Aaditya Khetwani | D2C | Yashvi Dhar Khusboo Kimtani | Unstoppable Robot |
| Group 3 | Manali Bhawe | D4B | Yash Sarang Aditi Bombe Madhusudhana Naidu | Plastic |
| Group 4 | Nimisha Jain | D1AD | Sneha Kadambala | 3 R's For Plastic |
| Group 5 | Saniya Inamdar | D5A | Tithi Jhamnani Drishti Samvedi | Pocket Projector |
| Group 6 | Gautam Sunil Wadhvani | D2B | Anish Pradeep Nair Nishtha Dilip Batra Yash Rajesh Narkhede | Printers |
| Group 7 | Suleman Shakil Mathekar | D5A | Hitakrit Mahesh GoplaniShruti Vijay Dalvi Sahil Kishin Madhyan | Spectacles |

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|----------|------------------------------|------|---|---|
| Group 8 | Prathamesh Ganpatrao Pradhan | D4A | Harsh Manoj MohileKshitij Prashant Nag Milind Santosh Sawant | Blockchain |
| Group 9 | Satyam Dubey | D1AD | Avanish Srivastava Yash Pandey | Solar Panel (Solar Energy) |
| Group 10 | Hrishikesh Patil | D2B | Varad Deshmukh Ayush Jain | Augmented Reality |
| Group 11 | Jheel Panchal | D1E | Ashiqa Shervergar Aryan Andhare Madhurima Tamhankar | Oximeter |
| Group 12 | Nikhil Haswani | D2A | Nikhil Haswani Yashraj Mulwani Ananya Pandey | Evolution Of Watches |
| Group 13 | Harsh Bakhtar | D2B | Samarth Gawali Dimple Madhwani Omkar Mahajan | Using Stirling (Heat) Engine As A Energy Storage |
| Group 14 | Priyanshu vinay singh | D1AD | Tejas Ashok patne Prasad vijay jawale Deepak Bhagirath prasad | Valvular Conduit |
| Group 15 | Harsh Shrivastava | D4A | Harsh Ranjan Gaurang Kedare Pooja Narayanan | Microprocessors |
| Group 16 | Tanmay Thakare | D2B | Sahil Salunkhe Vansh Pahuja | Mobile Phone |
| Group 17 | Kshitij Shailendra Shidore | D1AD | Sheetal Dixit | Smart Phones / Computers |
| Group 18 | Shrey Panchamia | D2A | Riya Nadagire Kaushik Sahasranaman Noel Dason | Power Bank |
| Group 19 | Sarthak D Bansod | D1AD | Subrato Tapsawi Akshiti Kachhawah | Solar Panels |
| Group 20 | Jagruti Santosh Dhamal | D3 | Aditi Hariprakash Chaturveditanaya Shailendra Gaikar Shreya Sudin Kamble | Portable Mobile Charger |

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|----------|----------------------|------|---|--------------------------|
| Group 21 | Sahil G. Parab | D1AD | Shubham Hadawle Naresh Shewkani Bhavesh Bhatia | Projection Technologies |
| Group 22 | Chaitali Kulkarni | D4A | Aryan Chaudhary | Astrophysics |
| Group 23 | Neeraj Mahesh Chawla | D2B | Vivek Balani Yash Pahlani Reshoo Nehru | Wheel-O-Mania |
| Group 24 | Surya Ganiga | D1AD | Khushi Mahamunkar Arnav Singhal Saransh Badlani | Hybrid Engine Technology |

| <p style="text-align: center;">V E S Institute of Technology. GROUP NO:- 04 HAMC, Collector's colony, R C Marg, Chembur, Mumbai -74</p> <p style="text-align: center;">'Awakening the Scientist' First year 2020-2021 Synopsis of the Gadget / Equipment</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 5px;"> <thead> <tr> <th>Sr. No</th> <th>Name of Student</th> <th>Class</th> <th>Roll No</th> <th>Mobile number</th> <th>Email ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Nimisha Jain(GL)</td> <td>D1A D</td> <td>19</td> <td>9004894450</td> <td>2020.nimisha.jain@ves.ac.in</td> </tr> <tr> <td>2</td> <td>Socha Kadambla</td> <td>D1A D</td> <td>23</td> <td>9820246721</td> <td>2020.socha.kadambla@ves.ac.in</td> </tr> </tbody> </table> <p>Name of the Gadget / Equipment: Plastic (3R's)</p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>PRINCIPLE OF OPERATION FOR YOUR DEVICE/GADGET: Plastics are polymers. A polymer is a large molecule made of smaller ones, called monomers. These monomers are derived from materials found in nature, such as natural gas, oil and plants.</p> <p>Plastics are made from raw materials like natural gas, oil or plants, which are refined into ethane and propane. Ethane and Propane are then treated with heat in a process called "cracking" which turns them into ethylene and propylene. These materials are combined together to create different polymers.</p> </div> <p style="text-align: center;">Synopsis of topic "Gadget Plastic (3R's)"</p> | Sr. No | Name of Student | Class | Roll No | Mobile number | Email ID | 1 | Nimisha Jain(GL) | D1A D | 19 | 9004894450 | 2020.nimisha.jain@ves.ac.in | 2 | Socha Kadambla | D1A D | 23 | 9820246721 | 2020.socha.kadambla@ves.ac.in | <p style="text-align: center;">V E S Institute of Technology. GROUP NO:- 21 HAMC, Collector's colony, R C Marg, Chembur, Mumbai -74</p> <p style="text-align: center;">'Awakening the Scientist' First year 2020-2021 Synopsis of the Gadget / Equipment</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 5px;"> <thead> <tr> <th>Sr. No</th> <th>Name of Student</th> <th>Class</th> <th>Roll No</th> <th>Mobile number</th> <th>Email ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Sahil G. Parab (GL)</td> <td>Dist</td> <td>39</td> <td>8928695724</td> <td>2020.sahil.parab@ves.ac.in</td> </tr> <tr> <td>2</td> <td>Bhavesh Bhatia</td> <td>Dist</td> <td>6</td> <td>7776940471</td> <td>2020.bhavesh.bhatia@ves.ac.in</td> </tr> <tr> <td>3</td> <td>Naresh Shewkani</td> <td>Dist</td> <td>50</td> <td>8483030123</td> <td>2020.naresh.shewkani@ves.ac.in</td> </tr> <tr> <td>4</td> <td>Shubham Hadawle</td> <td>Dist</td> <td>17</td> <td>9137871991</td> <td>2020.shubham.hadawle@ves.ac.in</td> </tr> </tbody> </table> <p>Name of the Gadget / Equipment: PROJECTOR</p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>Principle of Operation:</p> <p>PRINCIPLE OF OPERATION FOR YOUR DEVICE/GADGET: The object (could also be a slide or film) is placed behind the projector lens (convex) outside its focal length and is illuminated by a small but powerful source of light to give a magnified, inverted image on the screen.</p> </div> <p style="text-align: center;">Synopsis of topic "Gadget-Projector"</p> | Sr. No | Name of Student | Class | Roll No | Mobile number | Email ID | 1 | Sahil G. Parab (GL) | Dist | 39 | 8928695724 | 2020.sahil.parab@ves.ac.in | 2 | Bhavesh Bhatia | Dist | 6 | 7776940471 | 2020.bhavesh.bhatia@ves.ac.in | 3 | Naresh Shewkani | Dist | 50 | 8483030123 | 2020.naresh.shewkani@ves.ac.in | 4 | Shubham Hadawle | Dist | 17 | 9137871991 | 2020.shubham.hadawle@ves.ac.in |
|---|---------------------|-----------------|---------|---------------|--------------------------------|----------|---|------------------|-------|----|------------|-----------------------------|---|----------------|-------|----|------------|-------------------------------|--|--------|-----------------|-------|---------|---------------|----------|---|---------------------|------|----|------------|----------------------------|---|----------------|------|---|------------|-------------------------------|---|-----------------|------|----|------------|--------------------------------|---|-----------------|------|----|------------|--------------------------------|
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| 1 | Nimisha Jain(GL) | D1A D | 19 | 9004894450 | 2020.nimisha.jain@ves.ac.in | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Socha Kadambla | D1A D | 23 | 9820246721 | 2020.socha.kadambla@ves.ac.in | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1 | Sahil G. Parab (GL) | Dist | 39 | 8928695724 | 2020.sahil.parab@ves.ac.in | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Bhavesh Bhatia | Dist | 6 | 7776940471 | 2020.bhavesh.bhatia@ves.ac.in | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Naresh Shewkani | Dist | 50 | 8483030123 | 2020.naresh.shewkani@ves.ac.in | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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[Signature]
Vijay S.





Awakening The Scientist 2020-21

In order to become a professional and remain competitive in this highly commercial world one has to master the art of working in groups and teams along with sound knowledge of the field. Having a good balance of team work along with technical knowledge cannot be developed overnight and requires an attitude of sharing and caring.

The rapid changes in the technology is due to the application of discoveries and inventions in the basic science domain. We need to be observant as to how basic science makes a difference in our day to day life.

Awakening the Scientist is an opportunity given to the First year students to take the first step in this transformation of a student to a professional. First year students make groups and each group identifies the basic engineering and technology used in equipment, gadgets and tools used in day to day life. The group will have to relate to the past, present and future of the technology used. Because of covid restrictions, the mode of conduction was online this year. This year , 24 groups with total number of students as approximately 84 had registered for this event during 2020-21. The groups then gave a ten minutes presentation on the same. There was an elimination round from which 8 groups were selected for finals which was held on 8/9/2021 from 11 am to 1:30 pm.

Judges:

- 1] Dr. Sangeetha Prasanna
- 2] Dr. Shashwati M.
- 3] Dr. Jessy P.



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Vijay S.



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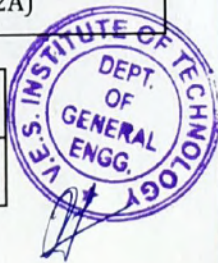
- Coordinators:
- 1] Ms. Ramya Tirumalasetti
 - 2] Mr. Mahesh Singh
 - 3] Mr. vijay shejwalkar

ATS 2020-21

Winners

| PRIZE | GROUP NO. | TOPIC | GROUP MEMBERS |
|-------------|-----------|-------------------------|---|
| I | 14 | Valvular conduit | Priyanshu Vinay Singh (D1AD) Tejas Ashok Patne (D1AD) Prasad Vijay Jawale (D1AD) Deepak Bhagirath Prasad (D1AD) |
| | 21 | Projection Technologies | Sahil G. Parab (D1AD) Shubham Hadawle (D1AD) Naresh Shewkani (D1AD) Bhavesh Bhatia(D2A) |
| II | 8 | Blockchain | Prathamesh Ganpatrao Pradhan (D4A) Harsh Manoj Mohile (D4A) Kshitij Prashant Nag (D4A) Milind Santosh Sawant (D4A) |
| III | 7 | Spectacles | Suleman Shakil Mathekar (D5A) Hitakrit Mahesh Goplani (D2A) Shruti Vijay Dalvi (D2A) Sahil Kishin Madhyan (D2C) |
| CONSOLATION | 16 | Mobile Phone | Tanmay Thakare (D2B) Sahil Salunkhe (D2A) Vansh Pahuja (D2A) |

| PRIZE | Winner(s) |
|--------------|------------------------|
| Best Speaker | Shubham Hadawle (D1AD) |

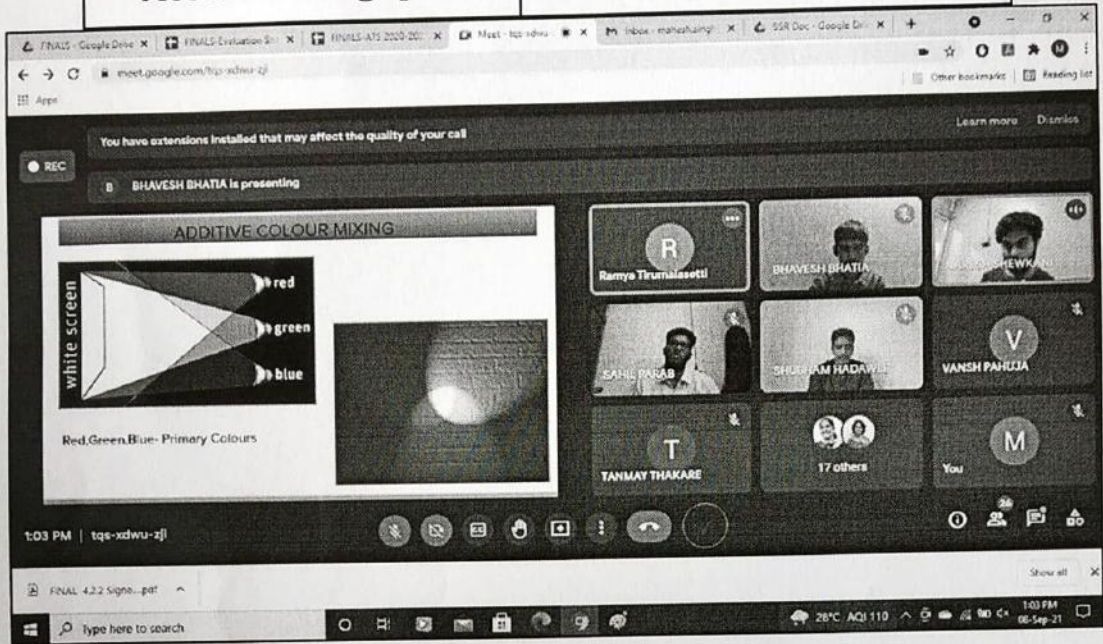




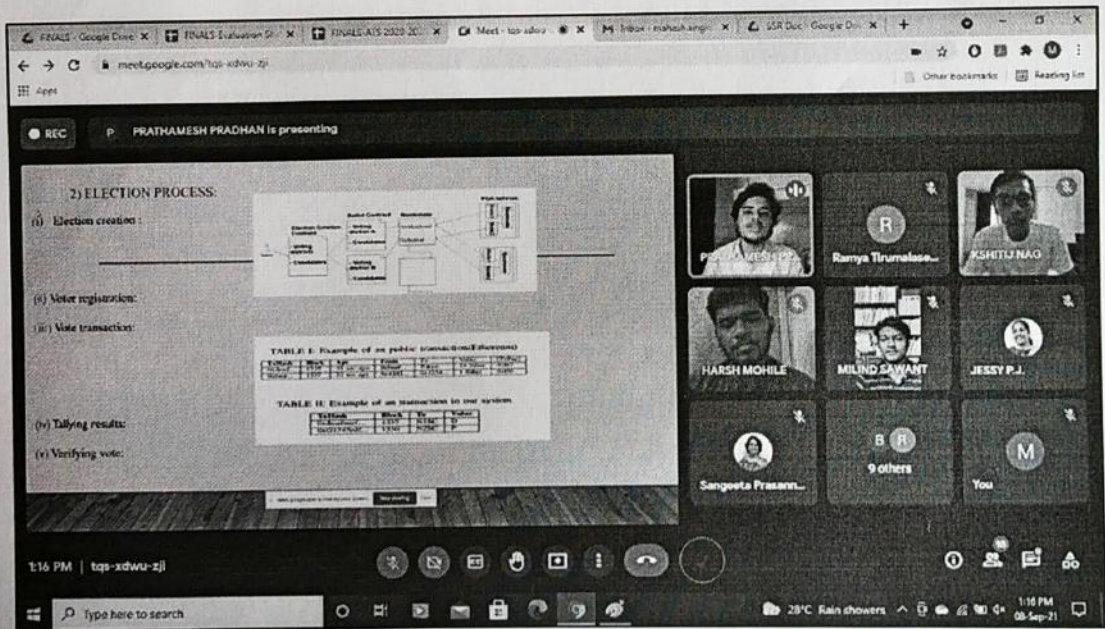
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Most Promising Speaker Prathamesh Ganpatrao Pradhan (D4A)



Group No 21 presenting their topic



Group No 08 presenting their topic

Vijay S.

