100 Times Curious – Anveshana Hyderabad

Sl. No.	Project Title	College
1	Agri Incubators	B.V. Raju Institute of Technology
2	Cordial Greeter	Lovely Professional University, Punjab
3	Door Lock System	Lovely Professional University, Punjab
4	Healthy Agriculture Farming Practices	Siddhartha Institute of Technology and Science
5	On Go Soil Sensing and Mapping	Lovely Professional University, Punjab
6	Organic Cold Storage	B.V. Raju Institute of Technology
7	Plastic Shredder	MLR Institute Of Technology
8	Reversible Parching Bench	Lovely Professional University, Punjab
9	Smart Aqua Culture	Vasireddy Venkatadri Institute of Engineering and Technology
10	Smart Plug	Lovely Professional University, Punjab
11	Smart Shoe	B.V. Raju Institute of Technology
12	UVC Disinfector	B.V. Raju Institute of Technology
13	Water Quality Monitoring Device	B.V. Raju Institute of Technology
14	Women Safety Wrist Band	Lovely Professional University, Punjab
15	Automatic Watering for Plants	Chadalawada Ramanamma Engineering College
16	Smart Mask and Sanitization (SMS) for Children	Amararaja Vidyalayam, Diguvamagham
17	Collidance Avoiding Door	Lovely Professional University, Punjab

Agri Incubators

1. What is Automation?
2. What is sensor?
3. Why Resistors are colour Coded?
4. What are parts it involves?
5. What is light sensor?
6. What is relay?
7. What is electrical and electronics?
8. What is the use of sensor?
9. What is the use of Capacitors?
10. What is temperature for Indian crops?
11. What is Voltage?
12. What is the function of DC Motor?
13. What is LED?
14. What are the sensors used?
15. What is Heat Sensor?
16. Why is heat sensor used?
17. What is the function of a servo motor?
18. What is Current?
19. Applications of this project?
20. What is the role of motor in the project?
21. What is motor?
22. How do we connect Resistors?
23. Which formula shows a direct proportionality between power and voltage?
24. What is a pump?
25. What is resistor colour coding?
26. What are the types of Energy?
27. What is Ohm’s Law?
28. What is power?
29. With Ohm's law, no change in resistance means that current and voltage will be?
30. A potentiometer has how many leads?
31. What are the sensors used?
32. Which lights are used in practical?
33. What is an IC?
34. How is temperature detected?
35. How much is space does it occupy?
36. What is a controller?
37. How many pins are there in LM3914?
38. What is LM3914?
39. What is L293D?
40. How L293D IC is connected to motor?
41. How motor linked with sensor?
42. What is +Vcc?
43. What is GND?
44. What is a transformer?
45. How to protect ourselves from shocks?
46. What is the purpose of RF module in this project?
47. What is communication in this project?
48. What was the disadvantage in breadboard?
49. What is bio-shed?
50. How to connect a motor?
51. What is a wire?
52. What is loose connection?
53. What is short circuit?
54. What is incubation?
55. Is there difference between incubation and hybrid?
56. How LED works?

57. How much voltage is used?
58. How to check with multi meter?
59. How moisture is sensed?
60. How bio-shed opens and closes?
61. How proximity sensor works?
62. How much distance proximity sensor works?
63. What is seven segment displays?
64. How agri incubator helpful for farmer?
65. What is difference between hot, cool blow?
66. What is a blower?
67. How a blower does works?
68. Which plant best suits this idea?
69. What is equivalent to heat sensor?
70. What does the IC contain?
71. What are LEDs made of?
72. What are types of outdoor locations for this idea?
73. How do we set temperature in incubator?
74. Is it possible to set more than one temperature?
75. What is the function used in switching?
76. What is response?
77. What is the minimum possible chance of failure?
78. What is series connection?
79. What is parallel connection?
80. What is push button?
81. How much radius RF module covers?
82. What is power for RF module?
83. What is mostly used on breadboard?
84. What is Software?
85. Do we need any software?
86. How is software, hardware interconnected??
87. Do we inductor in our project?
88. How our idea implemented for farmers?
89. How our idea implemented in rooftops?
90. What are advantages?
91. What are disadvantages?
92. How to link IC with sensors?
93. What is analog display?
94. What is digital display?
95. How is servo motor different from DC motor?
96. What is the use of motor driver?
97. How many DC motors can be controlled using L298D motor driver?
98. Why blowers are used?
99. What is a heat sink?
100. Which audience suits this project?

Cordial Greeter

1. What is engineering?
2. How to become an engineer?
3. What are the different courses to study?
4. what are the differences between B-tech and degree?
5. How many years will the B-tech course consists?
6. Why to study B-tech course in abroad or in other states?
7. How communication skills effects in our life?
8. What are IEEE standards?
9. How Passion effects to become an engineer?
10. What is meant by ECE?
11. What are the core subjects in Electronics and communication engineering?
12. Which coding course has more significance for job now and upcoming days?
13. If we join in CSE in first year and can we change to other engineering course with continuation of year?
14. Why laptop is required for an engineering student?
15. What is the difference between University and engineering colleges?
16. How more lab classes are important for student?
17. How a practical knowledge is important rather than book knowledge?
18. To become a practical person, what are the ways to choose?
19. Why a student to join in organisation is required?
20. What are the skills can a student can improve by joining and doing some work in organisations?
21. How Anveshana organization is exposing talent?
22. what are the different kinds of events running by Anveshana?
23. What is the purpose of participating in the event ANVESHANA Hyderabad?
24. What are the basic requirements to get a job in good company?
25. What is the minimum percentage of grade to get a job after engineering?
26. Why only English is the language preferred to get a job?
27. After engineering what are the higher studies? How they effect in our life?
28. How GATE exam helps us to get a government job?
29. Getting a higher package in normal company differ from a lesser package in best and standard company?
30. By which source a Robo is prepared?
31. How a robot is different from man?
32. If human is working, why we prefer or we take help from robots?
33. Define Robo.
34. Is it compulsory that a robot should have head, legs, hands, eyes, like a human?
35. Is it true to call a robot as Humanoid robot if it has the only function of walking?
36. Under which course of engineering robots is parting?
37. How mechanical engineers are important?
38. What is the function of resistor?
39. What is capacitor?
40. What are the power sources for dc usages?
41. Differentiate between AC and DC power?
42. What is energy?
43. How Energy is important in our daily life?
44. How do we supply power from source to light?
45. What are jumper wires and normal wires?
46. What is soldering?

47. How do welding differ from soldering?
48. Where we buy the required components to make a project?
49. How to know the bought product is good or fake?
50. What is plus and minus symbol represent in power source?
51. Which colour is represented as position and which is negative among red and white in power source?
52. Can we connect any side of battery to register?
53. What are cathode and anode inside power supply?
54. How the function works as charging and discharging of power supply?
55. What are rechargeable batteries and non-rechargeable batteries?
56. How peaceful mind in need of humans now a days?
57. To start a working day, what are the sources to start with a peaceful mind?
58. What is greeting?
59. In villages, why people keep always smiles when they see others?
60. Why mostly the citizens not even see the faces and they hurry in their daily schedule?
61. How small kids are attracted to dolls?
62. If we greet a kid by robot in the entrance of malls, complexes, etc.., how will the kid feel?
63. If a hurrying job holder enter into his office, by getting a greeting, how he feels from bottom of the heart?
64. What is Arduino Uno?
65. How many pins do the Arduino have? And their uses.
66. What is ultrasonic sensor?
67. How a sensor senses that an object passing through it is human?
68. What is Frequency and transmit sound level of ultrasonic sensor?
69. How camera module works?
70. What is the function of speaker module?
71. Where do the sound (greetings) get from our robot?
72. What are the centres where people move with hurry?
73. What is Patent?
74. How much time it takes to register our project on our name?
75. If the project and the ideology is success, then how much time that the same product should not made by another person?
76. If we collaborate with some company, how we get percentage of amount in profit?
77. When we get profits by doing and participating in these projects?
78. Can we prepare Arduino Uno?
79. Can we prepare our own components as per our requirement?
80. What are the requirements like cheap, quality, compactness...etc required to do any project?
81. Where our coding is stored?
82. What are the coding languages used?
83. How computer is required for Coding?
84. How to remove old code in Arduino?
85. How ultrasonic transmitter and receiver works?
86. Where do the microcontroller get signals?
87. Why do we use camera module as we already had ultrasonic sensor?
88. How accuracy is important in any project?
89. Why we are using this greeter?
90. What is infrastructure?
91. How infrastructure is useful for the community?
92. What are sustainable development goals?

93. Why alignment is required for project and SDG?
94. Are there any projects like this before?
95. Why greetings are important in our culture?
96. How this project is different from other things?
97. Will this be implemented in real world?
98. What are the applications of this project?
99. How Cordial greeter can be used? What are the Areas of Implementation?
100. What is the cost of this project? Is it Cost efficient?

Door Lock System

1. What is the difference between micro-controller and microprocessor?
2. How many pins does Arduino Uno contain?
3. What are the advantages of Arduino?
4. What is the microcontroller used in Arduino UNO?
5. How many digital pins are there on the UNO board?
6. What is diode?
7. What is transistor?
8. What is p-n junction diode?
9. The unit of electrical resistance is?
10. Number of valence electrons in a silicon atom are?
11. The most commonly used semiconductor element is?
12. Number of protons in the nucleus of a silicon atom are?
13. The valence electron of a conductor are also called as?
14. The number of holes in an intrinsic semiconductor is?
15. Holes act as?
16. To produce P-type semiconductors, you need to add?
17. Electrons are the minority carriers in?
18. A p-type semiconductor contains?
19. How many electrons does pentavalent atoms have?
20. Avalanche in Diode occurs at?
21. The potential barrier of a silicon diode is?
22. The diode current is large for which condition?
23. The output voltage signal of a bridge rectifier is?
24. If the Zener Diode is connected in wrong polarity, the voltage across the load is?
25. Zener diode can be described as?
26. Number of PN Junctions in a Transistor?
27. The doping concentration of Base in NPN Transistor is?
28. The Base – Emitter Diode (Base – Emitter Junction) in an NPN Transistor is?
29. The size comparison between Base, Emitter and Collector is?
30. The Base – Collector Diode (Base Collector Junction) is usually?
31. The DC Current Gain of a Transistor is?
32. The majority carriers in NPN and PNP Transistors are?
33. A Transistor acts as a?
34. The relation between Base Current I_B, Emitter Current I_E and Collector Current I_C is?
35. The input impedance of Common Emitter Configuration is?
36. The output impedance of Common Emitter Configuration is?
37. What are the primary sensors and where they should be installed?
38. What is use of Proximity sensor?
39. What is use of gas detector?
40. What is use of sound detector?
41. What is use of proximity sensor?
42. An Arduino Uno is most suited for?
43. What device converts light energy to electrical energy?
44. Which device converts electrical energy to light energy?
45. What device is used to store electrical energy in an electric field?
46. What device is used to store electrical energy in an electric field?
47. Which is the instrument used to measure electrical power?
48. What is the full form of CRO?
49. The device which converts AC into DC is called?

50. Which one is the main electronic component in a rectifier circuit?
51. How many terminals does a BJT (Bipolar Junction Transistor) have?
52. What is the unit of electrical resistance?
53. Is current through a Resistor is directly proportional to its resistance?
54. How many depletion layers are there in a transistor?
55. In a P-N junction diode no mobile charge carriers are present in the?
56. What are extrinsic semiconductors?
57. Define passive component?
58. What are the characteristics of passive components?
59. Define active components?
60. What are the characteristics of active components?
61. List the different types of active components?
62. List the different types of passive components?
63. List different types of resistors?
64. Define variable resistor?
65. Define fixed resistor?
66. List different types of variable resistors?
67. List different types of fixed resistors?
68. Define potentiometer?
69. Define rheostat?
70. Define thermistor?
71. What is the basic construction of a capacitor?
72. When capacitor starts charging?
73. When capacitor stops charging?
74. What is a ceramic capacitor?
75. Define electrolytic capacitor?
76. What is an Electric Potential?
77. What is Potential Difference?
78. What is a Transit time of an Electron?
79. What is an Electron Volt(eV)?
80. What is an Electric Field intensity(ε)?
81. What is an Ionization Potential?
82. What is an electron spin?
83. What is N type Semiconductor?
84. What is P- Type Semiconductor?
85. What are conductors, insulators and semiconductors?
86. What is a mobility of a charge carrier?
87. What is mass action law and law of electrical neutrality?
88. What is transformer?
89. What is an ideal-transformers?
90. What is turns ratios?
91. What is the use of the RESET button on the Arduino UNO?
92. What are the functions of the SDA and SCL pins of the Arduino UNO?
93. What is the function of the AREF pin in the Arduino UNO?
94. What is the function of the IOREF pin on the Arduino UNO?
95. What is the full form of the I2C Protocol?
96. What does the analogRead() function do physically when invoked in a code?
97. What is the use of the Vin pin present on some Arduino Boards?
98. What are the specifications of Arduino?
99. What is embedded system?
100. Mention few real time applications of Arduino?

Healthy Agriculture Farming Practice

1. How Importance is agriculture to the overall economy?
2. Why is agriculture important?
3. What are the branches of agriculture?
4. Are family farms disappearing?
5. What is soil erosion?
6. What is food desert?
7. What impact does farming have on soil health?
8. What are the rises of using pesticides?
9. What are the rises of using herbicides?
10. What factors affect crop farming?
11. What is vertical farming?
12. What are some of benefits of vertical farming?
13. What crops can be grown vertically?
14. What are crop rotations?
15. Types of crop rotation?
16. What kind of soil do you use?
17. Do you have any certifications?
18. What variety of crops do you grow?
19. What is the use of CLA?
20. What is CLA?
21. What is CSA program?
22. How CSA programme is useful to farmers?
23. What are the problems faced by farmers?
24. What is the reason to increase farming in India?
25. How we can keep soil healthy?
26. In crop yielding, India is in which place?
27. What are the advantages of the healthy agriculture farming?
28. How does climate change effects farming?
29. What is healthy agricultural farming do you suggest?
30. Can pesticides be used on an organic farm?
31. Is there organic farming in India?
32. Why agriculture sector is always ignored although it is vital for the survival?
33. Is ancient agriculture practice's really contributing more greenhouse gases emissions over modern agriculture?
34. Is vertical farming the future of agriculture?
35. Parameters to link soil health, climate changes and crop residue management?
36. Some barriers on why we are not implemented natural farming?
37. What are the negative effects of covid-19 on the agricultural sector and food supply chain in our country?
38. What does it mean to be an organic farming?
39. What does it take to grow organic farming?
40. What does the future of farming look like?
41. Is there a need to practice the organic farming?
42. How do organic farmers fertilize crops and control pests, diseases and weeds?
43. Is organic farming is important? Why?
44. How can we improve our farming?
45. How are crop diseases are managed on organic farms?
46. What is NDP?
47. Must organic farming use organic seeds?
48. Is organic farming the last alternative left for the future food security?
49. What do you think about spatially based sustained agriculture?
50. Will India be able to transfer it's premier green revolution to evergreen revolution?

51. What are the important topics in the field we use?
52. What are the important topics in the field sustainable development of a pro-ecological new economy?
53. What are the uses of organic farming?
54. Can we use coconut coir waste instead of cow dung in preparing Vermi compost?
55. What is compost?
56. What are the benefits of farming?
57. What are brown and green materials?
58. What branch of government is the department of agriculture?
59. Is the department of agriculture is profitable?
60. What is planning a single crop over wide acreage called?
61. Types of farming?
62. What is manure preparation?
63. What is poly culture farming?
64. What is crop diversity?
65. How is growth of Indian agriculture?
66. In which year the Indian agriculture farming is low?
67. Benefits of Indian farming?
68. How we can implement the farming techniques?
69. How much time will take for one time farming?
70. What is new techniques of farming?
71. Alternate methods of farming?
72. What is renewable energy sources?
73. How much cost it will take while farming?
74. Farmers are getting benefits?
75. How we can decrease the death of farms?
76. What is the budget of agriculture?
77. How we can utilize our idea in farming?
78. How to decrease the cost while farming?
79. Did farming is important in day-to-day life?
80. Are farmers getting respect?
81. What are sustainable development goals?
82. What is the Economy of agriculture field?
83. What is drip irrigation process?
84. Types of drip irrigation process?
85. That the fields will be affected while yielding?
86. Manure availability is less or more?
87. How we can avoid fertilizers?
88. What are benefits the farmers getting?
89. How we can save soil by using natural fertilizers?
90. How does farm household income compare with the income of other US household?
91. What impact does farming have on oil health?
92. What are the risk of using pesticides and herbicides?
93. What factors affect crop production?
94. How can technology assist farming?
95. How man farmers are there in the world?
96. What is digital farming?
97. What does it take to grow organic produce?
98. Which canal is largest canal in India?
99. Rotation of crop means?
100. What is the role of irrigation in farming?

On Go Soil Sensing and Mapping

1. What is engineering?
2. What is arduino?
3. Why we are using arduino for the projects?
4. Are all motors being same or different from each other?
5. Why we need to study engineering?
6. What is sensor?
7. Can we create the robots with arduino?
8. Is all batteries are same?
9. Why there is a black colour inside the battery cells?
10. From where current was produced?
11. What is voltage?
12. Why we use copper wires to transfer current?
13. What is the full form of LED?
14. Is LCD and LED are same?
15. What is the difference between laptop and computer?
16. What is PH?
17. What engineers can do further?
18. How motor is rotating?
19. Is current and electricity both are same?
20. How bulb will glow?
21. How magnets are producing sounds?
22. What is thermistor?
23. How current will calculate?
24. What we learn in engineering?
25. How bulb is different from LED?
26. What are the precautions should be taken when we are dealing with electronics?
27. What we have to do if we injured by electric shock?
28. Can we see the current?
29. How electric vehicles were made and how they work?
30. What is meant by programming code?
31. Where we do the programming code?
32. Why LED glows brighter than bulb?
33. Who invented the LED?
34. How screen touch is working in smart phones?
35. How internet is working?
36. What is the use of signal towers?
37. How LED glows in different colours why not bulb?
38. Can we store the current?
39. What is the use of dams?
40. What is meant by wired and wireless?
41. How wireless devices are working?
42. What is Bluetooth?
43. Will small motors rotate both sides?
44. What is technology?
45. What are the advantages and disadvantages of technology?
46. Is thunder being also a form of current?
47. Can current flows through air?
48. Can we recharge all types of batteries?
49. How batteries are made?
50. What is the use of sensors?
51. How many pins are there in arduino?
52. Are any other types of Arduino's being there?
53. How can we run the motors with the help of arduino?
54. Are there any components like arduino, that helps to do projects?
55. How data transferring from arduino to other components?
56. How can we tell the commands to arduino?
57. What is GPS and how it works?
58. What is the use of robotic hand and how it works?
59. What is the difference between the software and hardware?
60. How power will go through the components from arduino?
61. How much voltage will have to give for arduino?
62. How magnets are used in our daily life?

63. How short circuit will occur?
64. Why current does not flow through the rubber materials?
65. Is voltage and current are different?
66. Is it necessary to connect in either series or parallel in every circuit?
67. Are all the batteries being explosive?
68. What is the difference between AC current and DC current?
69. What is ph?
70. What is micro controller and microprocessor?
71. How arduino is made?
72. Can we control the flow of current?
73. Can we produce current by our own?
74. How solar panels are producing the electricity?
75. Why current is hazardous to us?
76. How many courses are there in engineering?
77. How to check that the battery is fully charged or not?
78. What is transformer?
79. Is arduino works if it will be affected by the water?
80. How arduino pins are connected to the other components?
81. Can we need computer knowledge to deal with arduino?
82. Can we repair the arduino if there is any defect in it?
83. How information is storing in internet?
84. How camera is capturing the image?
85. What is having in the current?
86. Can magnets produce current?
87. What is the difference between DC motor and AC motor?
88. What is communication?
89. What is the properties of sensors?
90. What is vcc in arduino?
91. What is arduino?
92. What capacitor?
93. What is a resistor?
94. Give an example that where we use the sensors in our daily life?
95. What are the basic components that we use in electronics?
96. How many forms of energies are there?
97. Is there any alternate instead of arduino?
98. Can we convert the other energies to electrical energy?
99. Can we rotate the dc motor in both sides by supplying voltage?
100. What is the voltage required for an arduino to run?

Organic Cold Storage System

1.What are the parts needed?
2.What is Arduino?
3.What is sensor?
4.How to calculate resistor value?
5.How many analog and digital pins are present in Arduino board?
6.What is the difference between analog and digital?
7.How is Arduino operated?
8.What is LCD?
9.What is the use of LCD?
10. What is cocopeat?
11. What is a sensor?
12. Why only DS18B20?
13. How sensor works?
14. What is microcontroller?
15. Why is Arduino used instead of other microcontrollers?
16. How the LCD displays the temperature?
17. What are the minimum and maximum temperatures that the sensor can with stand?
18. What are jumper wires?
19. What are the types of wires?
20. Where are the sensors and Arduino were placed in the system?
21. How to supply power to the Arduino?
22. What is breadboard?
23. How to connect the circuit connections?
24. How the system is designed?
25. Why the system is in cylindrical?
26. How will you supply water to the cocopeat?
27. what is LED?
28. What are the types of LEDs?
29. How will you glow a led at a time?
30. What did you choose this project?
31. How farmers get benefited with this project?
32. What kind of materials can we store in the system?
33. How many days can you store a fruit or vegetables?
34. Can you say some fruits and vegetables standard temperatures?
35. What is corncob?
36. What is the height of the system?
37. How many kgs of vegetables can you store in the plant?
38. If there is no power how will you control the temperature?
39. What is program?
40. Do I need green house?
41. Can I grow potatoes and carrots?
42. How do I prevent fishes from dying?
43. What happens when the electricity goes out?
44. How long the system turns to be effective without electricity usage?
45. Does the system work without electricity supply?
46. Should I have a backup battery or generator setup?
47. What happens if I get fish from uncleaned environment?
48. Is it normal for my water to turn green?
49. Should I use pesticide?
50. Where is your college?
51. Which branch is u from?
52. What do you mean by electronics?
53. Diff b/w electronics and electrical?
54. How many labs does u have?

55. What do u do in labs?
56. What do you mean by mechanics?
57. What is ammonia?
58. What is nitrate?
59. What is the best way to control bugs?
60. What are system requirements?
61. What is bio filter?
62. Explain the process of bio filtration?
63. How much voltage is used?
64. What are solid filters?
65. What is the feeding process?
66. What are different breeds of fishes used?
67. What crops can be grown?
68. What types of systems can be used?
69. Full form of NFT?
70. Explain float bed or raft system?
71. Explain Ebb or Flood?
72. Tips for growers?
73. Tips for good agriculture practice?
74. Can I grow different types of plants at the same time?
75. What are types of beneficial bacteria?
76. Is aquaponics organic?
77. What do I do if water in my system starts to smell?
78. Building the aquaponics system is expensive?
79. What are clay pellets?
80. How to make clay pellets?
81. At what temperature these clay pellets should heat?
82. Are aquaponics system takes larger area?
83. Are clay pellets will float on water?
84. What clay pellets exactly do's?
85. What is the major do's of expanded clay pellets?
86. What is the major don'ts of expanded clay pellets?
87. Should allow the clay pellets to ever dry out?
88. What happens if clay pellets are used without a dedicated source of water?
89. Can we reuse the clay pellets?
90. Is it necessary that clay pellets should sterilizing with peroxide while reusing?
91. What is the inside shape of clay pellets?
92. Are there any types of clay pellets?
93. Is this system works without electricity?
94. How do I get rid of the white build on the tank?
95. What type of fishes is used for aquaponics?
96. Is it more efficient or faster than a regular soil garden?
97. How much trouble is it to maintain?
98. What is the most important aspect?
99. How much power does it use?
100. Do you have any problems with the water or air pumps?

Plastic Shredder

1. What is plastic?
2. How is plastic made?
3. How many types of plastic are there?
4. What is biodegradable?
5. What is non-biodegradable?
6. Is plastic a waste?
7. What are the problems with plastic?
8. Why should we avoid plastic?
9. Why did we create plastic?
10. How Long Will Plastic last?
11. What defines a plastic?
12. What are the main properties of plastic?
13. where was plastic invented?
14. What came before plastic?
15. Is plastic good or bad?
16. Which is the cheapest plastic?
17. Why is plastic so popular?
18. How dangerous is plastic pollution?
19. What type of plastics can be recycled?
20. Which plastic is easiest to recycle?
21. Is plastic a good insulator?
22. Which plastic is hardest to recycle?
23. Why is plastic cheap?
24. Does plastic stop electricity?
25. How many animals die from plastic?
26. Is plastic waterproof?
27. How much plastic is in the ocean?
28. How dangerous is plastic pollution?
29. How are plastics affecting humans?
30. How resistant is plastic?
31. Is plastic long lasting?
32. How much plastic do we eat?
33. What does shredding do to plastics?
34. Can you put plastic in a shredder?
35. How do we collect plastic waste?
36. Who buys shredded plastic?
37. Can a wood chipper shred plastic?
38. What can you not put in a shredder?
39. How do you melt plastic safely?
40. How do you melt and reuse plastic?
41. At what temperature does plastic melt?
42. Is Melting plastic a chemical change?
43. What happens to plastic when heated?
44. What is a plastic waste management system?
45. Can Shredder shred plastic?
46. What does shredding do to plastics?
47. What items Cannot be shredded?
48. What is a plastic shredder?
49. How do you make a plastic shredder?
50. What items Cannot be shredded?
51. How do you shred plastic labels?
52. How does a plastic granulator work?
53. Who buys shredded plastic?
54. Can plastic be used as fertilizer?
55. Can you get money for plastic?
56. How do you use shredded plastic?
57. Can I sell shredded plastic?
58. How much is shredded plastic worth?
59. Should I crush plastic before recycling?
60. What is the use of motor?

61. What are the different types of DC motors?
62. What is RPM?
63. What is Voltage?
64. What is the function of DC Motor?
65. What is power?
66. Is it possible to control the speed of the motor?
67. What are parts it involves?
68. Which supply is given to the DC motor?
69. When the speed of a DC motor is increased?
70. Which is the more efficient AC or DC motor?
71. What is Current?
72. What is polyethene?
73. What are the applications of Polyethene?
74. What is the Full form of PVC?
75. What are the applications of PVC?
76. What is the full form of HDPE?
77. What are the applications of HDPE?
78. What is the source of plastic Waste?
79. How can we use recycled plastic?
80. Do you know anything about Plastic Roads?
81. How plastic affects groundwater?
82. What is meant by Microplastic?
83. Do you know any news about Plastic Pollution?
84. What is the Great Pacific Garbage patch?
85. How cows and buffalos are affected by Plastic?
86. Name any 5 items that are made up of reusable plastic?
87. State any two sectors that need more amount of plastic?
88. How students can stop plastic pollution?
89. What is the difference between plastic and rubber?
90. How to avoid usage of plastic in local markets and shops?
91. Which animals are more affected by plastic?
92. Why are water pipes made by Plastic?
93. Why Doctors use gloves made up of Plastic?
94. How to collect plastic waste in Water?
95. What is the advantage of paper plate over plastic plate?
96. Which one is stronger in case eye lens/Specs glass/Plastic Fibre?
97. Can plastic pollution affect the BIRDS?
98. Why is plastic pollution increasing day by day?
99. How to save fishes from Plastic Pollution?
100. Can plastic reach the sea bed?
101. How can Plastic Pollute the sand/soil?
102. How plastic is related to Air pollution?

Reversible Parching Bench

1. What is electricity?
2. How to measure the electricity?
3. What is power?
4. What is voltage?
5. What is current?
6. Difference between current and voltage?
7. How to measure current?
8. How to measure voltage?
9. What is ammeter?
10. What is voltmeter?
11. What is multi meter?
12. What are the types of electricity?
13. What is ac current where we use it?
14. Who invented ac current?
15. What is dc current where we use it?
16. Who invented dc current?
17. Difference between ac and dc current?
18. How and where to store electricity?
19. How to measure current?
20. What is resistor?
21. How to measure resistance?
22. What is the colour code of resistor?
23. Units of resistance?
24. What is capacitor?
25. What is capacitor?
26. Units of capacitor?
27. What is switch?
28. What is the use of resistors?
29. What is the use of capacitors?
30. What is ohms law?
31. Formula of ohms law?
32. What is led?
33. Full form of led?
34. What is photo diode?
35. How the electricity is produced?
36. What is solar energy?
37. How the solar energy is converted to electrical energy?
38. What are solar panels?
39. What is the working principle of solar panels?
40. What is dc motor?
41. What is rpm?
42. Which formula shows a direct proportionality between power and voltage?
43. How to rotate dc motor in reverse direction?
44. What are sensors?
45. Where do we see sensors in daily life?
46. What is ir sensor?
47. What is ultrasonic sensor?
48. What is servo motor?
49. Two complete a full rotation how many degrees we have to rotate?
50. What is a battery?
51. What are the types if batteries we have?
52. What battery you are using in this project?
53. What is the capacity of the battery you use in this project?
54. What are the applications of this project?
55. What is renewable energy?
56. What are sensors used in this project?
57. What is the human detection sensor used here?
58. what is microcontroller?
59. What is arduino?
60. Why you have used only arduino in this project?
61. How many types of Arduinos are there?
62. What is the microcontroller used in arduino uno?

63. Which is the software or a programming language used for controlling of arduino?
64. How many digital pins are there in arduino?
65. What are pwm pins?
66. What is the full form of pwm?
67. What is the voltage required to work arduino?
68. Can I programme arduino using c?
69. What is serial communication?
70. What are rx and tx pins where do we use?
71. What is digital write?
72. What is analog write?
73. How much voltage is required for arduino to work?
74. What is peltier effect?
75. What is the working principle of it?
76. Why copper and bismuth are used?
77. What is the inner construction of thermoelectric effect?
78. How peltier effect helps to dry the water droplets?
79. What is power transmission?
80. How electrical energy is converted mechanical energy?
81. How gears increase the power transmission from motor?
82. What is ratchet gear?
83. What is the working of ratchet gear?
84. Why analog write for motors?
85. What is the rpm of the motors used in this project
86. Why the motor rotates in one direction only if use ratchet gear?
87. Why the wheel alignment is necessary?
88. What is servomotor?
89. What is turn degree?
90. What is motor driver?
91. What is the use of motor driver?
92. Can we run motor directly using arduino?
93. What is the power rating of these motors?
94. What is the ic used in this motor driver?
95. How many motors can be controlled using motor l298n motor driver?
96. Why heat sink is used in l298n
97. How servo motor is different from dc motor?
98. What is the voltage required to run this whole project?
99. What are the uses of your project?
100. At which places your project can be implemented?

SMART Aqua Culture

1.What is Aqua culture?
2.What is the aim of project?
3.Why u done this project?
4.Do you have any farms?
5.How many acres u have?
6.What is you are background?
7.How u got this idea?
8.In which year u got this idea?
9.Should you take patent to this project?
10. Why the project named as smart aqua culture?
11. What are the problems facing by the farmers?
12. How it is use as farmers?
13. By using this what is the use?
14. Is this u used in u are culture?
15. Is this economical?
16. The farmer can handle this?
17. In your area how many farmers are using this?
18. Comparison of normal culture and smart culture is there any difference?
19. If anyone got profit with this?
20. What is the use of temperature sensor in the project?
21. Can we be monitoring the farm?
22. How do we know the amount of feed supply to culture per day?
23. Is that any sensor used under the water?
24. Why ultrasonic sensor used?
25. How does the feeding will be done by manually/artificially?
26. All the process is done by mobile?
27. What are the functions of GSM module?
28. What are the functions of temperature?
29. Is it possible for phone to advertise Bluetooth normally?
30. How does the device work?
31. Is that the device worked by battery?
32. Is that the device worked by solar energy?
33. If any services done in any longer time?
34. Is this suitable for all climatic conditions?
35. Any replacement of sensors used in longer time?
36. Any precautions to be taken for that?
37. How does the values u know by graphical or numerical?
38. Cost of the project?
39. Is this implemented?
40. Project cost should be changed based on type of farms?
41. Is this used for any aqua life?
42. What are the problems faced by Aqua farmers?
43. Why water monitoring is conducted?
44. Why the Aerators are used?
45. Why feeding is Auto machined?
46. What Fertigation process?
47. Use of surveillance cameras?
48. What is PH?
49. What is Do?
50. What is Turbidity?
51. What are the functions of Aerators?
52. What is the use of finding PH, Do, Turbidity?
53. What is the function of feeding machine?
54. What are the sensors used?
55. What are functions of each sensor?
56. Applications of this project?
57. What is Arduino?
58. How many analog pins are there in Arduino?
59. How many digital pins in Arduino?
60. What is the programming language used in arduino?
61. What is the purpose of Bluetooth in the project?

62. What is the purpose of Wi-Fi module in the project?
63. Why Bluetooth 4.0 sensor used?
64. Why the Wi-Fi module sensor used?
65. How much accurate is Bluetooth when compared to Wi-Fi?
66. Why the GSM module use in the project?
67. What is GSM module?
68. In the Aerators the motors are controlled by?
69. How much of current usage should be done with equipment?
70. What is IOT?
71. Why IOT is used in this equipment?
72. Is there any cloud storage?
73. By using this cloud storage any charges are applicable?
74. Is there any auto machine in side this?
75. Is this water resistance?
76. What is the size of the equipment?
77. How u would build this prototype?
78. Is this you are first prototype?
79. In which language it builds inside?
80. There should any voice recogniser inside?
81. Why rain sensor used in the project?
82. If any problem in that prototype how does u know?
83. If any alert how does u know?
84. What does the use of alert messages?
85. What does the use of digital graphs in project?
86. Is this have any guarantee of this equipment?
87. Is this sensor being locally available?
88. Is this operated by any mobile r not?
89. There should have any guidelines?
90. The equipment should the water level?
91. With that equipment we know the temperature readings?
92. If in case any problems in the equipment how can it resolve?
93. Applications of this project?
94. What type of motors use for aeration?
95. Is this cost economical?
96. Inspection should do daily?
97. All the equipment should work on batteries?
98. They should have any proper cleaning of the equipment's?
99. There should have any replacement part in the equipment of using many years?
100. Is the prototype being ready?

Smart Plug

1. What is electricity?
2. What is power or charge?
3. What is current?
4. What is difference between current and voltage?
5. Why are they different?
6. What would be our life without electricity?
7. How electricity passes in my home?
8. Can we see electricity?
9. How electricity is measured?
10. How electricity is produced?
11. Why we are paying electricity bill monthly?
12. What are Units?
13. Can we get free electricity?
14. What is Bulb?
15. Why is bulb round in shape?
16. Who invented Bulb?
17. What is Tube light?
18. Why Tube light is long? Who designed it?
19. How bulb is different from Tube light?
20. What is Plug?
21. What is socket?
22. Why there are 3 holes in socket?
23. Why the upper hole is big than other two holes?
24. How these things are made?
25. Why factories have lot of machinery?
26. Who controls the machines?
27. How to make automatic things?
28. What is programming?
29. Can we do programming?
30. Do we need laptop in our future?
31. What will we do after our 10th class?
32. How to choose career path?
33. What can we become when we grow old?
34. What is engineering?
35. What are the things involved in engineering?
36. What are projects?
37. Do we have to do any projects?
38. Is Participation in events and competitions necessary?
39. Why you have approached us?
40. What is this competition?
41. What is Anveshana?
42. Is it beneficial for us?
43. Why organizing Anveshana even in this pandemic situation?
44. How did you become as finalists?
45. What is this project?
46. Why you've added smart to the project?
47. How smart is defined in components and things?
48. Why the word Smart is buzzing all around the globe?
49. What is this smart plug?
50. How is it useful?
51. What are its applications?
52. How can I use it in my home?
53. How much does it cost?
54. Can anyone use it?
55. Is it easy to use?
56. How have you made it?
57. What are the components inside it?
58. What are electronic components?
59. Do electronic components have electricity in them?
60. What is Arduino?
61. How Arduino understand things and act accordingly?

62. What are sensors?
63. What are Actuators?
64. How Sensors and Actuators are different?
65. How Arduino controls everything?
66. Why Arduino is small?
67. What is Microcontroller and Microprocessor?
68. How they both are different?
69. How Arduino reads and gives signals to its components attached?
70. What is a potentiometer?
71. How can we use it?
72. Real-world applications of Potentiometer?
73. What is the basic concept of this project?
74. If there is any damage to inside components, can they be replaced?
75. How can we schedule the power?
76. What is the role of Potentiometer in this project?
77. How can Arduino block electricity from socket?
78. What is a Relay?
79. What are the applications of Relay?
80. What are the ways for user to schedule the power?
81. How the time is measured in this smart plug?
82. What is an RTC?
83. How can a RTC interface with Arduino?
84. How many analog pins are there in Arduino?
85. How many digital pins are there in Arduino?
86. What is the microprocessor used in Arduino?
87. Why Arduino is so famous?
88. What are the Application areas of this Smart plug?
89. What is the uniqueness of this project?
90. How can we conserve electricity using this project?
91. What about the Implementation scale?
92. What are the factors that supports this smart plug's novelty?
93. What are the Opportunities and Threats to this project?
94. Can it become a real product?
95. Does this smart plug require Wi-fi or Internet?
96. What is the difference between this smart plug and the smart plugs in the market?
97. Can we interface any other sensors to this project?
98. How much does this project costs?
99. How can you manage the cost difference between your product and products out there in the market?
100. How much electricity can it save?

Smart Shoe

1. What is Arduino?
2. What is the stable version of Arduino software?
3. Who is the developer of Arduino?
4. Why should we use Arduino?
5. In which language Arduino software was written?
6. What are the advantages of Arduino?
7. What does a sensor mean?
8. How do moisture sensors work?
9. Where are moisture sensors used?
10. What level of moisture is acceptable?
11. How is moisture measured?
12. What are ultrasonic sensors?
13. How does an ultrasonic sensor work?
14. When would I use an ultrasonic sensor?
15. How do ultrasonic sensors deal with noise?
16. How does this device work?
17. How will the person know that there is an object in front of him?
18. What is the principle behind the idea?
19. What if the person wants to cross a road with vehicles? How will the sensor sense a moving object?
20. How can you be so sure about the efficiency of our product?
21. No of I/O pins in 8051
22. The device used to convert AC to DC is
23. Type of rectifier used in Power supply
24. Type of Filter used in Power supply
25. Purpose of Resister in front of LED IS
26. Motor speed is controlled by using
27. PWM stands for
28. Type of motors used as robot wheels
29. Type of motors used as robot hand
30. To follow line no of IR sensors required
31. Software used to write the program
32. IDE Stands for
33. The Type/format of file dumped in controller is
34. IC stands for
35. 8051 available in what package
36. unit of resistance
37. units of capacitance
38. Resistor value is calculate using
39. Resistors are identified as to wattage by
40. What type of resistors have a tolerance rating of 5% or greater
41. The load resistance increases. How will the load current change
42. What is the power dissipated by a 1.2 kΩ resistor with 12 volts across it
43. How many joules of energy will a 10 W lamp dissipate in one minute
44. Which type of test equipment is used to measure resistors?
45. What is Resistance?
46. Electrical equipment is protected against excessive current by an
47. ohms law equation
48. For $P = V^2/R$, a decrease in resistance should produce:
49. After a lamp is turned on, its filament resistance will change to become
50. Wire wound resistors are usually used in circuits that have
51. How is power dissipated in a resistor?
52. In capacitor long led indicates what terminal
53. Resistance in a circuit is:
54. The unit designator for resistance value is the:

55. One ampere of current flowing through one ohm of resistance is equal to:
56. Regulator IC used to get 5V is
57. Regulator IC used to get 12V is
58. In LED long led indicates what terminal
59. no of terminals in P-N diode
60. Bridge Rectifier consists of ---------- diodes
61. In Motors view RPM stands for
62. A good fuse will have:
63. 8051 is ---bit controller
64. no of timers in 8051
65. the size of timers in 8051
66. In which mode timer acts as Auto-reload
67. In serial communication no. of bits transmitted per second is called
68. Maximum memory supported by 8051 is
69. Energy gap of conductor is
70. Silicon has------ valence electrons.
71. A Semiconductor has ----------Temperature coefficient of resistance
72. The most commonly used semiconductors are
73. The leakage current in a pn junction is in order of
74. A pn junction/Diode is a
75. A semiconductor material is formed by
76. The forbidden energy gap between valance band and conduction band in semiconductor material is about
77. N-type extrinsic semiconductor is obtained by adding
78. When Semiconductor materials is heated its resistance
79. The majority carrier in P-type extrinsic semiconductor material is
80. Conduction electrons have more mobility than holes because they
81. Electron mobility is defined as
82. The majority carrier in P-type extrinsic semiconductor material is
83. Power is measured in units of
84. Components designed to oppose the flow of current are called:
85. The program code of project written in -language
86. Purpose of Keil IDE in project is
87. Compiling means
88. Which formula shows a direct proportionality between power and voltage?
89. How do fixed resistors usually fail?
90. With Ohm's law, if voltage increases and resistance stays the same:
91. If a Resistor has orange, white, red, gold colours the resistance is
92. What are the two major categories for resistors?
93. How many connections does a potentiometer have?
94. In project transmitter and receiver communicated through what
95. 8051 microcontroller operating voltage
96. The size of ALU in 8051 is
97. ALU stands for
98. In 8051 which port don't have pull up logic
99. In 8051Special functions are present in which port?
100. What is Infra-red?

UVC Disinfector

1. What are UVC rays?
2. What does disinfectant mean?
3. What are the properties of UVC?
4. What kind of bulbs/tube-lights release UVC rays?
5. How does UVC kill viruses?
6. How efficient are these UVC rays?
7. Is UVC certified to use?
8. Is there any certification required for making this machine?
9. How does this machine work?
10. What are the major parts of this machine?
11. What can be done using this machine?
12. What is a baggage scanner?
13. What is the working principle of baggage scanners?
14. How does this machine differ from a Baggage scanner?
15. What are the components used in this machine?
16. What are the components used for disinfection?
17. Where the disinfector was placed in the machine?
18. What is a conveyor belt?
19. How does a conveyor belt move?
20. How can UVC be implemented in a smart way?
21. Is UVC harmful to humans?
22. What is Arduino?
23. What is NodeMcu?
24. What is an RTC module?
25. What is a converter?
26. What is AC supply?
27. What is DC supply?
28. What is ESP32?
29. What is Resistors?
30. What are Capacitors?
31. What is Switch?
32. What is Voltage?
33. What is a Servo Motor?
34. What are the sensors used?
35. What is the function of a touch sensor?
36. What is Power?
37. What is a Potentiometer?
38. How current can be read?
39. What is a Multimeter?
40. What is analogWrite?
41. What is digitalWrite?
42. Why is analogWrite used in DC motors?
43. How is servo motor different from DC motor?
44. What is soldering?
45. Why should soldering be done?
46. How many analog pins are there in Arduino?
47. How many digital pins are there in Arduino?
48. What is the language used in programming Arduino?
49. What is GPS?
50. How do we fix resistors?
51. Why Resistors are color coded?
52. What is RPM?
53. What is LED?
54. What are the Basic components of Electronics?
55. What is the function of a servo motor?
56. What is current?
57. What are the applications of this project?
58. What are the basic forms of energy?
59. What is Ohm's Law?
60. What are the functions of a Multimeter?
61. Is Wi-Fi accurate or Bluetooth?
62. How is ESP8266 used?
63. What is Software serial?
64. What is Hardware serial?

65. How is Software Serial different from the normal serial monitor?
66. What is the baud rate?
67. What is the use of delay in any program?
68. What are the types of servo motor?
69. Can a servo motor turn in both clockwise and anticlockwise direction?
70. What is the use of a motor driver?
71. Is it possible to control the speed of the motor?
72. How the UVC rays are stopped from going out?
73. What are the materials used for stopping UVC rays from going out?
74. How much should be the thickness of the machine frame?
75. How can we implement this machine on a large scale?
76. Can this machine be used in other applications?
77. What will happen if we get into contact with UVC rays?
78. How effective is this machine?
79. Are there any other machines used in this application?
80. Does this machine already patent?
81. What kind of materials can be disinfected by this machine?
82. Is it safe to disinfect food items in this?
83. What is Intensity?
84. What is wavelength?
85. What is amplitude?
86. What is the speed of light?
87. What is Lumens Rating?
88. How much time does this machine take to kill viruses on and inside a book?
89. What is an Adhesive tape?
90. What is polycarbonate?
91. What are the properties of Aluminium Alloy sheet?
92. What is innovation?
93. Is there any innovation done in this project?
94. What are the benefits of using this machine?
95. Would this machine be helpful in Educational Institutes?
96. What is the intensity of UVC rays?
97. Does this machine require any man power?
98. What are the future add-ons in this project?
99. How would this machine be cost effective?
100. What is the complete procedure involved in disinfecting an object in this Machine?

Water Quality Monitoring Device

1. What is Water Quality Monitoring Device?
2. What will the product do?
3. How much does it cost?
4. What are the components used in this device?
5. What are the sensors used?
6. What is a TDS meter?
7. How the TDS meter work?
8. What is a PH meter?
9. How the PH meter works?
10. Does this device require power to work?
11. From where it acquires/gets power?
12. How to on this?
13. Where to place the product?
14. Can we use it at home?
15. Do we have any problem using this?
16. What is LED?
17. What are the sensors used?
18. What is Arduino?
19. What is PH Level?
20. What is TDS Level?
21. What is the TDS range for drinking water?
22. What is the TDS range that is not acceptable for drinking water?
23. What is the PH range for drinking water?
24. What is the pH level that is not acceptable for drinking water?
25. What are jumper wires?
26. How jumper wires work?
27. What is the function of
28. Mention the Application of this product?
29. Why the temperature sensor is used?
30. For what purpose potentiometer are used?
31. What is the full form of an LED?
32. What is the full form of TDS?
33. Why do we use resistors?
34. What is the full form of PCB?
35. For what purpose PCB is used?
36. What is the operating voltage of Arduino UNO?
37. How many analog pins do the Arduino board has?
38. How many digital pins do the Arduino board has?
39. What is the microcontroller used in Arduino UNO?
40. Why resistors are color-coded?
41. How do we fix resistors?
42. What is the software/programming language used in this project?
43. What are PWM pins?
44. What is the built-in LED pin for the Arduino UNO board?
45. What are serial pins (in Arduino UNO board)?
46. What is digitalWrite?
47. What is analogWrite?
48. What is the baud rate for Arduino UNO?
49. What is Voltage?
50. What are Electronics?
51. What is Resistor?
52. What is baud Rate mean?
53. Does the device get heated?
54. How much accuracy does it have?
55. What is the RX pin?
56. What is a TX pin?
57. What is the Data pin?
58. How many data pins are present in Arduino?
59. What is serial communication?
60. How to connect the PH sensor to Arduino?
61. How to connect the TDS sensor to Arduino?

62. How to connect the Temperature sensor to Arduino?
63. Does PH have any units?
64. Formulae for PH?
65. What are the units of TDS?
66. How TDS is measured?
67. How PH is measured?
68. How Temperature is measured?
69. How TDS is calibrated?
70. How PH is calibrated?
71. What are the parameters of drinking water?
72. How does this parameter affect the drinking water quality?
73. What is Current?
74. What is Ohm's law?
75. What are the effects of drinking contaminated water?
76. What is Bread Board?
77. What is Circuit?
78. What are the units of the Resistor?
79. What is the unit of Current?
80. What are the units of voltage?
81. Advantages of the Resistors?
82. What is a Conductor?
83. Advantages of using the product?
84. Application of an LED?
85. Advantages of an LED?
86. What is Anode?
87. What is Cathode
88. What are the different colours available in LED's
89. Life span of one LED light?
90. What is an LCD display?
91. How many types of LCD displays are present?
92. Full form of LCD?
93. Applications of LCD?
94. Advantages of LCD display?
95. Working on the LCD display?
96. How the LCD display is connected to the Arduino board?
97. What is Insulator?
98. What is Resistivity?
99. What is Earthing?
100. How many types of Arduino Boards are there?

Women Safety Wrist Band

1. What are the major components used in women safety wrist band?
2. What does the term 'Electronics' mean?
3. Who is the father of electronics?
4. What does a sound sensor measure?
5. How many nodes make up a junction?
6. What is the function of GSM module?
7. Which gas is filled in a bulb?
8. What are the basic components of a bulb?
9. What is AC current?
10. What is DC current?
11. What is the difference between voltage and EMF?
12. What is potential difference?
13. What is the microcontroller used in women safety band?
14. Define Kirchhoff's voltage law?
15. What is the function of GPS module?
16. Define Kirchhoff's current law?
17. What is the role of resistor?
18. The formula for current as per ohm's law?
19. What is the unit of current?
20. What are the advantages of women safety wrist band?
21. What is potential difference? How is it developed?
22. Define a conductor and an insulator?
23. What are the negative charged and positive charged elements in electronics?
24. Difference between cathode and cation?
25. Difference between anode and anion?
26. What is the use of a battery?
27. Contrast between a battery and cell?
28. Can a motor turn in both clockwise and anti-clockwise direction? why?
29. What is the difference between loop and mesh?
30. What are logic gates?
31. Define power with formula?
32. What is a transistor?
33. Give few examples of transistors?
34. What is the function of a diode?
35. Why do we use AC current only in home? Why not DC?
36. What is the unit of power?
37. What is the function of a microcontroller?
38. Expand GPS?
39. Expand GSM?
40. What are the applications of this project?
41. Which software is used to code Arduino?
42. How can we track a person's position?
43. How is servo motor different from other motors?
44. What is the maximum voltage we receive in home?
45. How does GPS Tracker trace the location?
46. What is the mechanism of women safety wrist band?
47. What are active and passive elements?
48. Why do we get shock with wet hands?
49. What are the materials that do not conduct electricity?
50. Why do power sockets have large hole at centre compared to other holes?
51. What is the benefit of switch in circuit?
52. Why do insulators do not conduct electricity?
53. What is a potential barrier?
54. Which computer language is used to code Arduino?
55. What is a rheostat?
56. Why did we use sound sensor in this project?
57. How does a GSM module send SMS?
58. What are the advantages of Arduino?
59. How is an EMF generated?
60. How is Zener diode different from other diodes?

61. What is the unit of resistance?
62. What is the function of capacitor?
63. How does a sound sensor work?
64. How do you calculate equivalent resistance of a parallel circuit?
65. How do you calculate equivalent resistance of a series circuit?
66. What is a conductance?
67. Name few types of capacitors?
68. What is an inductor?
69. How does a current flow inside the circuit?
70. What is present inside a battery?
71. What is filament?
72. What do LED bulbs consume less power?
73. What is a universal logic gate?
74. What type of energy is converted by a battery?
75. What is energy?
76. What gets divided in parallel circuit?
77. What gets added in series circuit?
78. What is open loop and closed loop?
79. What is the full form of LED?
80. What is the full form of EMF?
81. Difference between protons and electrons?
82. Basic components required to build an electric circuit?
83. Who proposed ohm's law?
84. Describe few lines about the features of this project?
85. What is a carrier frequency?
86. How does GPS work?
87. How is resistance different from conductance?
88. What is the unit of voltage?
89. What is the unit of current?
90. What are the applications of sound sensor?
91. Explain about the role of Arduino in the project?
92. What is RAM?
93. What is ROM?
94. Expand RAM And ROM?
95. How is sound detected by the sound sensor?
96. What is the maximum voltage supply that a bulb can withstand?
97. What is a charge?
98. What is electrolysis?
99. Does current flow in sand? If not why?
100. How to build a battery?

Smart Mask & Sanitization (SMS) for Children

1. Whether T-shirt is detachable or attachable mask?
2. What materials used for making this smart mask?
3. What is the use of sensor?
4. Whether T-shirt is available in all sizes?
5. Whether pocket is stitched to T-shirt?
6. What is the use of pocket?
7. What is the colour of T-shirt?
8. What happens when mask is removed?
9. Can we wash this smart mask?
10. Can we get any alert when others come near to us?
11. What is COVID 19?
12. Will it provide any SMS?
13. What is the advantage of smart mask?
14. What is the fabric cost?
15. What is mask cost?
16. What is sensor cost?
17. Applications of this project?
18. What is the cost of each T-shirt for bulk stitching?
19. What is the use of this project?
20. How do we fix mask to T-shirt?
21. Can adult wear this T-shirt or it's only for children?
22. Which type of clothe is used for making mask?
23. What is bug?
24. Why children will show interest to wear this T-shirt?
25. How to wear smart mask?
26. Whether sensor is detachable / attachable for washing?
27. How should we clean mask?
28. Whether it has to be used only in schools or else it can be used in other areas?
29. When we remove mask what signals it produces?
30. Why bug is used?
31. What precautions should be taken during COVID 19?
32. What is the use of sanitizer?
33. How much quantity of sanitizer should be used by children?
36. Can we use resistors in this project?
34. What is the concentration of alcohol in sanitizer?
35. Whether acids or bases used in the preparation of sanitizer?
36. Which type of acids used in sanitizer?
37. Which type of bases used in sanitizer?
38. What is the concentration of acids in sanitizer?
39. What is the concentration of bases in sanitizer?
40. What is circuit?
41. Which type of wires used in circuit?
42. What is alarm?
43. What is the purpose of Bluetooth?
44. What is cathode?
45. What is anode?
46. What is meant by positive terminal?
47. What is meant by negative terminal?
48. What are the disadvantages of sanitizer?
49. What is the disadvantage of battery?
50. What are the disadvantages of sensor?
51. Is there any disadvantage by using this smart mask?
52. What is communication?
53. What is serial communication?
54. What is parallel communication?
55. Power is defined as?
56. Work is defined as?
57. Energy is defined as?
58. What is potential energy?

59. What is Kinetic energy?
60. What is chemical energy?
61. How energy moves?
62. How power is utilized?
63. Do we use any motors in this?
64. What are the sizes of T-shirts?
65. What does advertise Bluetooth mean?
66. Why is it necessary for the device in user's had to advertise itself?
67. What information does the battery shows?
68. How do we get the address of battery?
69. How can we set the battery server?
70. How do we retrieve the battery performance?
71. Is it possible for phone to advertise Bluetooth normally?
72. What is the function used to figure connection?
73. What is the datatype?
74. What is the minimum scan time possible?
75. What is serial communication?
76. How can it be achieved by connection?
77. What is the working of alarm?
78. What is the working of sensor?
79. Will communication take place if sensor works?
80. Will communication take place if alarm works?
81. What is SoftwareSerial?
82. What is HardwareSerial?
83. How is Software works?
84. What is battery rate?
85. What is alignment?
86. What is the use of delay in any program?
87. What is anti-clockwise?
88. What is clock wise?
89. What is digital?
90. What is analog?
91. What are DC motors?
92. How the alarm rings?
93. Explain the series of connection wires?
94. How many DC motors are connected?
95. How the battery works?
96. What happens when battery is not worked?
97. Is it possible to control speed of alarm?
98. What is Smart mask?
99. What is meant by smart mask?
100. What is the importance of smart mask?

Collision Avoiding Door

1. What is Micro controller?
2. What is a microprocessor?
3. What is meant by communication?
4. Difference between micro controller and microprocessor?
5. What is Arduino?
6. What is PIR sensor?
7. What are the ranges of PIR sensor?
8. What is the range of PIR sensor when a human comes near it?
9. How does a PIR sensor work?
10. What type of signals are measured in PIR sensor?
11. What are infrared radiations?
12. What are the different modules used in projects?
13. What is Buzzer?
14. What is Vcc?
15. What is Ground?
16. What is LED?
17. What is the full form of LED?
18. What Basic Components of Electronics?
19. What is the use of Resistors?
20. What is the use of Capacitors?
21. What is Switch?
22. What is Voltage?
23. What is the function of DC Motor?
24. What is Ohm's Law?
25. Power is defined as?
26. What is resistor?
27. How do we fix Resistors?
28. How is a 3.9 kΩ resistor color-coded?
29. What is the colour code for 3.9kΩ?
30. What is Capacitor?
31. How is electricity produced?
32. What is diode?
33. What is Faradays law?
34. What are the sensors used?
35. Where do we see sensors in daily life?
36. What is IR sensor?
37. What is ultrasonic sensor?
38. How many analog pins are there in Arduino?
39. How many digital pins are there in Arduino?
40. What is the language used for programming Arduino?
41. What is serial communication?
42. What is digital write?
43. What is mean by digital read?
44. What is the voltage required for an Arduino to work?
45. How many ways are there for an Arduino to get to work?
46. What is software used for Arduino coding?
47. What is Current?
48. The formula of current according to ohms law?
49. With Ohm's law, no change in resistance means that current and voltage will be?
50. Which formula shows a direct proportionality between power and voltage?
51. Why Resistors are colour Coded?
52. What is the working of RX pin?
53. What is the working of TX pin?
54. Will communication take place if RX-RX connected and TX-TX connected?
55. What is meant by PWM pins?
56. How many PWM pins are there in Arduino UNO?
57. What is use of a Bluetooth module?

58. How many types of Bluetooth modules are there?
59. What are the ranges of Bluetooth module?
60. What are the basic forms of energy?
61. What is ESP32?
62. Why is ESP32 used?
63. How we will know the resistance of a colour coded resistance?
64. What is the difference between AC and DC?
65. Units of resistance and capacitance?
66. How to rotate dc motor in reverse direction?
67. What are the different types of sensors?
68. What are the different types of diodes used?
69. What are the different types of batteries used?
70. What are the different types of renewable energy?
71. What are the different types of non- renewable energy?
72. Give examples for electronics we use in our daily life?
73. What is ammeter?
74. What is voltmeter?
75. What is multi meter?
76. What is the difference between digital and analog signals?
77. What is a p-n junction diode?
78. What is a servo motor?
79. What is the difference between servo motor and DC motor?
80. What is the sensor used in this project?
81. What type of microcontroller is used in this project?
82. In what places this project can be implemented?
83. How does this project work?
84. What is the use of this project?
85. How it is beneficial to society?
86. What is the role of PIR sensor in this project?
87. What is the role of Arduino UNO in this project?
88. On what type of power supply does this project work?
89. Is this project rechargeable?
90. What is the capacity of the battery you use in this project?
91. Is there any other alternate instead of Arduino UNO?
92. Other alternative for PIR sensor in this project?
93. How does the Arduino make the buzzer work in this project?
94. What is power transmission?
95. How electrical energy is converted mechanical energy?
96. What are the good conductors of electricity?
97. What are the bad conductors of electricity?
98. Is copper a good or bad conductor of electricity?
99. What are the parts involved in this project?
100. What type of battery we are using in this project?