

UNIVERSITY INSTITUTE OF ENGINEERING & TECHNOLOGY

(A Constituent Autonomous Institute)

(Recognized under Section 12 (b) and 2 (f) of UGC Act 1956)

KURUKSHETRA UNIVERSITY, KURUKSHETRA – 136119 (HARYANA)

(Established by the State Legislature Act XII of 1956, NAAC A+ Grade)

SHORTLISTED TEAMS FOR **ONLINE INNOVATION CONTEST (OIC)-2020**

Theme Name: Agriculture & Rural Development

Team Name	Team Lead	Roll No.	Email Id	Sub Category	Problem Statement
Mind Benders	Ruchi	251802149	sharmaruchikht@gmail.com	Both	Providing integrated opportunities to the unemployed or labour force that is without the work but available for and seeking employment.
Technocrats	Prateek	251802140	studentprateek1998@gmail.com	Both	Problem faced by farmer in selling their produce.
Desi kalakar	Tanuj Malik	251704042	tanujmalik73@gmail.com	Hardware	The fruits and vegetables we eat are loaded with pesticides and chemicals, making it harmful to human health. Pesticides are primarily used for cultivation of crops and in some cases as residues. Fruits and vegetable, however, possess a high amount of pesticides. High levels of chemicals and pesticides pose a threat to human health by damaging the nervous and reproductive systems, disrupting the immune system, and even leading to cancer in some cases.
Globionic	Nancy Choudhary	251703019	nancychoudhary139@gmail.com	Hardware	According to WHO, 1 in 3 people globally do not have access to safe drinking water. Mere access to water is not enough, if it is not clean, it is not safe to drink. For

					municipal water supplies, the highest risk issue are aute diarrhoeal pathogens. A simple device that would detect pathogens in contaminated drinking water will help in assessing the quality and safety of drinking water.
Mind Optimisers	Daivik	251802116	dssaharan15@gmail.com	Software	Traditional way of thinking, poor understanding, low level of education, lack of facilities Lack of knowledge about modern farming, lack of storage areas for both rabi and kharif crop like wheat and rice, pollution from burning of paddy waste.

Theme Name: Health & Biomedical Devices

Team Name	Team Lead	Roll No.	Email Id.	Sub-Category	Problem Statement
Eternity	Rushil	251803013	rushil1904@gmail.com	Software	Deteriorating situation in regards to mental health of the general public (especially in developing countries) due to their inability to seek help as there is lack of awareness, resources and mental health professionals.
Mech Spartans	preeti luhach	251704034	plbb5620@gmail.com	Both	A worldwide COVID-19 pandemic, rendered a swerved doctor to patient ratio, resulting in delay in access to healthcare & leading towards compromises in hygiene and quality & especially in rural areas. Then how can we provide best medical facilities in rural areas?
Team Partrio	Pratiyush Kumar Ray	251801132	pkray0021@gmail.com	Both	Many companies had stopped attendance system through biometrics. Companies started temperature measurement through Thermal Scanner through security guards and there is no proper record of anyone's temperature. There is no strictness on who is going inside or outside the premises.

Theme Name: Waste Management

Team Name	Team Lead	Roll No.	Email Id.	Sub-Category	Problem Statements
Shock Ups	Darshna	251804017	darshananagarwal@gmail.com	Hardware	A common sight along sidewalks in many Indian cities is a heap of stinking litter circling the municipal garbage bin rather than being inside it. While this often happens due to lack of effort by citizens to toss the garbage directly into the bin, many times it is also due to overfilled bins, which leave citizens with no other option than to tiptoe around the bin and throw the waste nearby. There are many public dustbins with different colours are placed in and around for public uses. But all in vain due to inadequate facilities and lack of awareness about proper disposal of general waste and segregation of the waste into different categories. Moreover current situation due to Covid 19 also need to be considered for proper waste management. In addition, Government have installed different colours dustbins at public places for better waste management.
Tech Boosters	Chahat Sharma	251901042	chahatsharma1012@gmail.com	Both	How to improve the Dry Waste management of Smart Cities using Smart Bins?

Theme Name: Smart Vehicles\Electric vehicle\ Electric vehicle motor & battery technology /Smart parking in UIET

Team Name	Team Lead	Roll No.	Email Id.	Sub-Category	Problem Statements
U-PARK	Satyam Pandey	251801040	psatyam9090@gmail.com	Both	As per current scenario of our college parking which is ruthless like: 1)It is in an unorganised way 2)We don't have any data of no. of vehicle entering or leaving in our college 3)Many of other department students also parked their vehicle in our parking lots which causes deficiency of space for our staffs

					and students as well 4) Sometimes many of the person makes parking of their vehicle in illegal way which causes some hurdle for other. So, we are trying to find the solution of this issue of our college.
Stragglers	Lakshya Saini	251804032	lakshya.shakti15@gmail.com	Both	Cheap and Personal Transportation facility for UIET students.
TEAM UNO	Samarth Tyagi	251801039	sam.tyagi9821@gmail.com	Both	Students cannot afford to buy their own vehicles. The unavailability of the transportation facility inside the campus makes it difficult for the students to travel back and forth from college. This results in the missing of meals and classes. Moreover, they are left helpless in the case of any emergency due to the absence of transportation.

Theme Name: IoT based technologies (e.g. Security & Surveillance systems etc.)

Team Name	Team Lead	Roll No.	Email Id.	Sub-Category	Problem Statements
Runtime Terror	Lovish Aggarwal	251902033	lovishagg@gmail.com	Both	Imagine a scenario, there is a large institution/building, it has over 50 rooms and each room contains a lot of electrical devices like bulbs and fans and computers etc etc. Now the care-taker of the building before finishing his job has to manually go and check each room for any fans or lights that people forget to turn off EVERYDAY. And if a day comes when the Care-taker forgets a certain room or two, we are talking about an energy wastage of about 75-55 watts per hour per device. Now imagine another scenario, you are a student and you come to your college and you wonder in your head, wait did I switch off the lights or the fan, and well if the answer is yes then I'm pretty sure you won't walk back to home/hostel just to turn it back off. Hmm, if only there was a way I could switch it off from far away. one more, you are sitting in your home and you have to wait 6 months to switch of the lights!(Pandemic Situations or ultra-long distances)

Mech Spartans	jatin singal	251704044	imjatinsingal@gmail.com	Both	Major problem is the security system. The security system is good enough of army and our defence forces but some time situation occurs that they cannot do anything to avoid such situations we are suggesting an idea here?
Awkward Turtles	Piyush Singh	251902147	aryanpiyush36@gmail.com	Both	How to make a smart, secure and innovative home.

Theme Name: Others

Team Name	Team Lead	Roll No.	Email Id.	Sub-Category	Problem Statements
Mechanical Champs	Pankaj Jangra	251904046	pinkujangid51@gmail.com	Hardware	The price of LPG is too high. There are many poor person which cannot afford it. Also LPG makes too much pollution.
Creeping Spiders	Sakshi Tomar	251802150	sakshiyukta564@gmail.com	Software	The problem involves the inability of people in our society to report about various problems they face on a daily basis such as domestic violence, ragging/bullying, depression, or issues relating to animal abuse