UNIVERSITY WITH A PURPOSE

# Research and Development Department

## Commercialization of IPs with Technicas.sg - Report

**INTRODUCTION:**

With objective to commercialize the Intellectual Properties (IPs) that UPES owns, potential investors were identified and contacted. A Singapore based company, 'TECHNICAS.SG - Advanced Solutions' shown interest in 15 different IPs. The director of the company, Mr. Lakhvinder Singh was contacted for further discussion. The inventors behind each of the selected IP were contacted and were requested to share inputs about their invention. Information of 11 IPs was received. The overview of the patents along with their market potential was presented to the Director, TECHNICAS.SG - Advanced Solutions along with respective inventors in a meeting.

## Meeting 1: Introduction of IPs owned by UPES

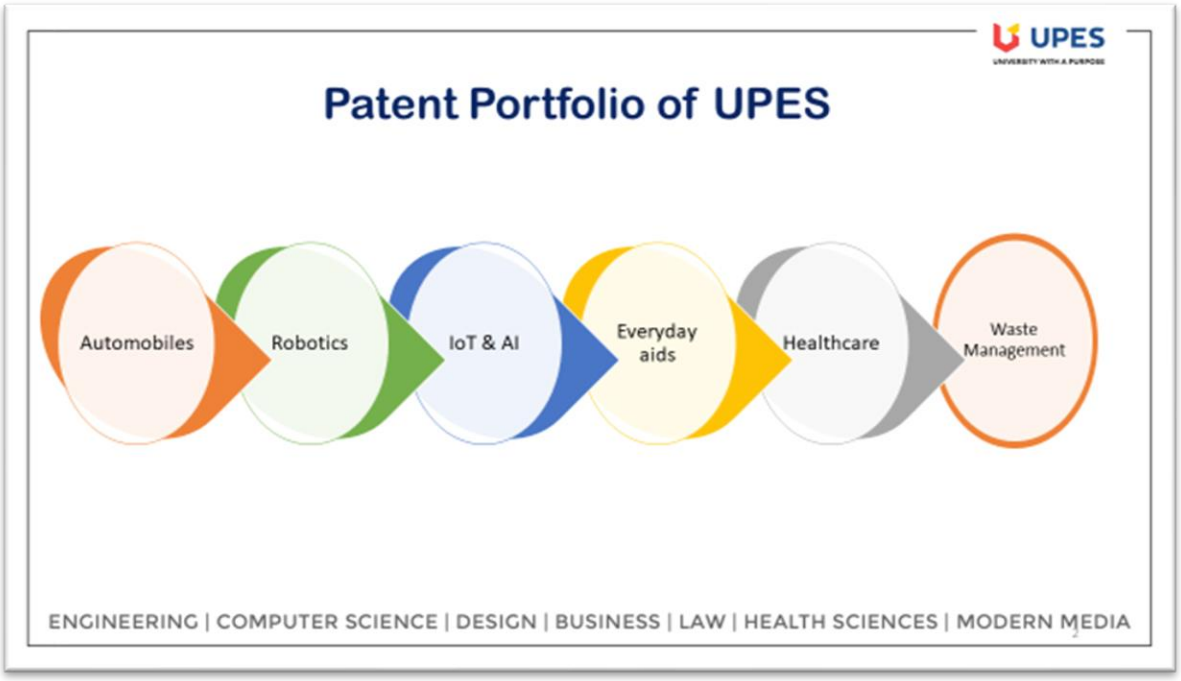
## Held on Thursday, 26 August 2021 at 4:30 pm

**NUMBER OF PARTICIPANTS IN THE MEETING**: **3**

1. Mr. Lakhavinder Singh, Director, Technicas.sg- advanced solutions
2. Ms. Khushboo Bhurat, Patent Executive, UPES
3. Mr. Mohit Nagpal, Senior Manager – Incubations, UPES

**BRIEF DESCRIPTION OF MEETING:**

The meeting was held with an objective to introduce the investor to the UPES intellectual property rights portfolio.




The meeting began with a formal introduction of all the participants. Ms. Khushboo shared a brief insights on the UPES intellectual property rights portfolio and titles of different IPs applied for grant that were published by Indian patent Office. Mr. Mohit took the discussion further with possible roadmap for this association.
The market value and the significance of selected Intellectual Properties were discussed. Next, the investor shared a list of IPs, he was interested in knowing more about (The list attached below). The meeting ended with the assurance of a next meeting on 10th September 2021.

| Sr. | IP | Application number | Title | Inventors |
|---|---|---|---|---|
| 1 | Patent | 201811009289 | A System for Remotely Visual Inspection and Monitoring of Road Surfaces for Cracks and Method Thereof | Rohit Sanket, Tanisha Gupta, Dr. Vikas Garg,Dr. Suresh Kumar, Dr. Rajesh Singh, Anita |
| 2 | Patent | 201811007975 | Intelligent Dustbin | Dr. Pankaj Kumar Sharma, Dr. Rajesh Singh, Dr. Kamal Bansal, Anita |
| 3 | Patent | 201811007990 | Method and System to Detect Crack in Rail Track | Rahul Raj, Himanshu Srivastava, Dr. Paawan Sharma, B. Khaleelu Rehman, Pradyumna Narayan Tiwari |
| 4 | Patent | 201811007956 | Smart Electronic Menu and Ordering System | Archit Aggarwal, Dr. Rajesh Singh, Anita, Dr. Sushabhan Choudhury, Rohit Samkaria |

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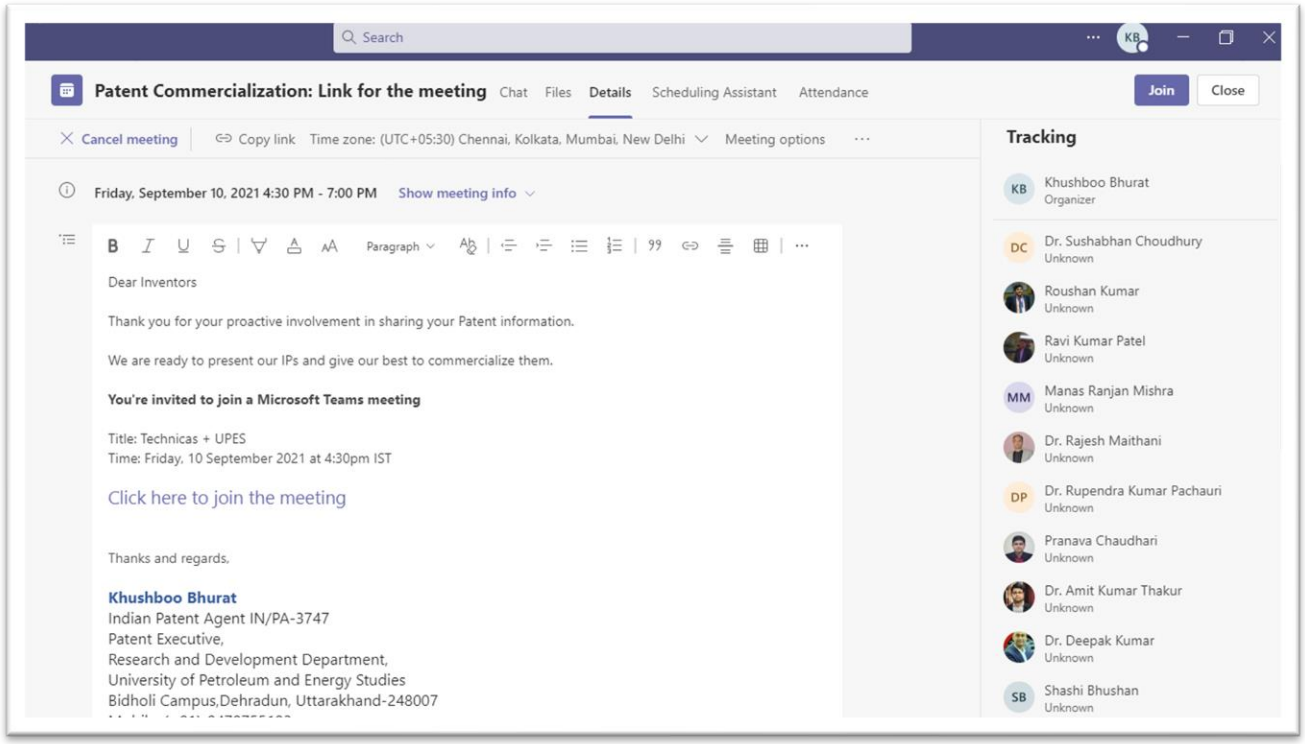
|---|---|---|---|---|
| 5 | Patent | 201811039950 | A Robotic System For In-Pipe Inspection | Varnita Verma, Rohit Samkaria, Dr. Sushabhan Choudhury, Dr. Roushan Kumar, Dr. Mukul Kumar Gupta |
| 6 | Patent | 201911010347 | Alterable and Effectual Microchannel Rapid Prototyping for Removal of Toxic ions from Water through Adsorption onto Nano-adsorbent | Ravi Kumar Patel, Dr. Jitendra Kumar Pandey |
| 7 | Design | 325566-001 | Packaging Box | Aishita Kapoor, Anshika Jain, Grishma Vaibhav Vartak, Kriti Dhawan, Karina Mendiratta, Deepak S.S., Manas Ranjan Mishra |
| 8 | Design | 327456-001 | “Solar Energy Storage System” | Dr. Anil Kumar, Dr. Rajesh Maithani |
| 9 | Patent | 202011011550 | Gps Enabled Speed Analyzer For Academic Institution Governed Transportation [Gesaaigt] | Mr. Vaibhav Goyal. Mr. Krishna Chandra Singh, Dr. Rupendra Kumar Pachauri, Mr. Abhishek Sharma |
| 10 | Patent | 202011016050 | Insulin resistance prediction by ML based approach using non-invasive means | Dr. Alok Aggarwal, Madam Chakradar |
| 11 | Patent | 202011015615 | A reusable article for absorbing oil from oil spills | Neha Saxena, Numair Shirqhi Mohammed, Adithya Bontha, Pranava Chaudhari, Amit Kumar Thakur |
| 12 | Patent | 202011020649 | Robotic Apparatus | Raman Bala. Namya Kamboj, Namita Kamboj, Jasjit Singh, Dr. Deepak Kumar, Dr. Ajay Kumar |
| 13 | Patent | 202011015035 | Iot Based Device And Method For Detecting And Killing Of Mosquitoes | Mr. Shashi Bhushan; Dr. Manoj Kumar; Dr. Pramod Kumar; Mr. Anuj Kumar Singh; Mr. Yogesh Kumar Sharma; Mr. Kolambakar Swapnil Baburav |
| 14 | Patent | 202011031120 | A Water Filtration System | Prasenjit Mondal, Abhishek Nandan, Dr. Bikarama Prasad Yadav,Dr. Nihal Anwar Siddiqu |
| 15 | Patent | 202011049926 | A Water Treatment System For Gray Water | Jitendra K Pandey, Mukesh Kestwal, Prasenjit Mondal, Sukdeb Pal |

# Meeting 2: Presentations of the selected IPs

Held on 10th September 2021, at 4:30 PM



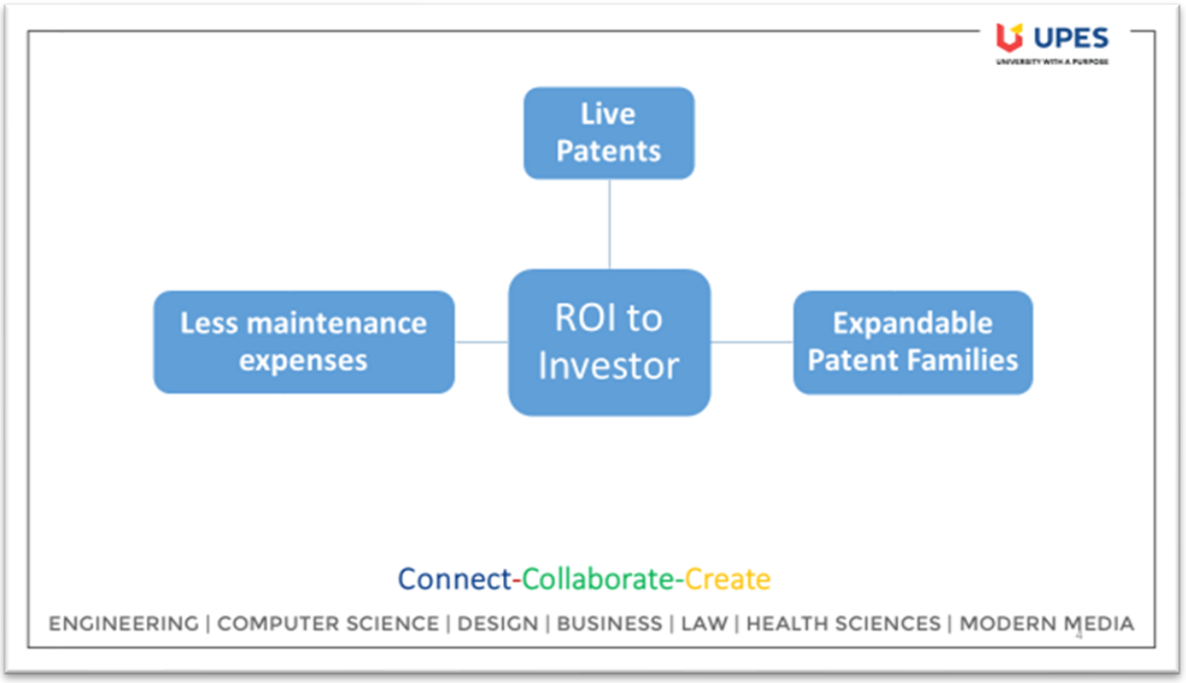

**NUMBER OF PARTICIPANTS IN THE MEETING: 26**

**AGENDA OF THE MEETING:**

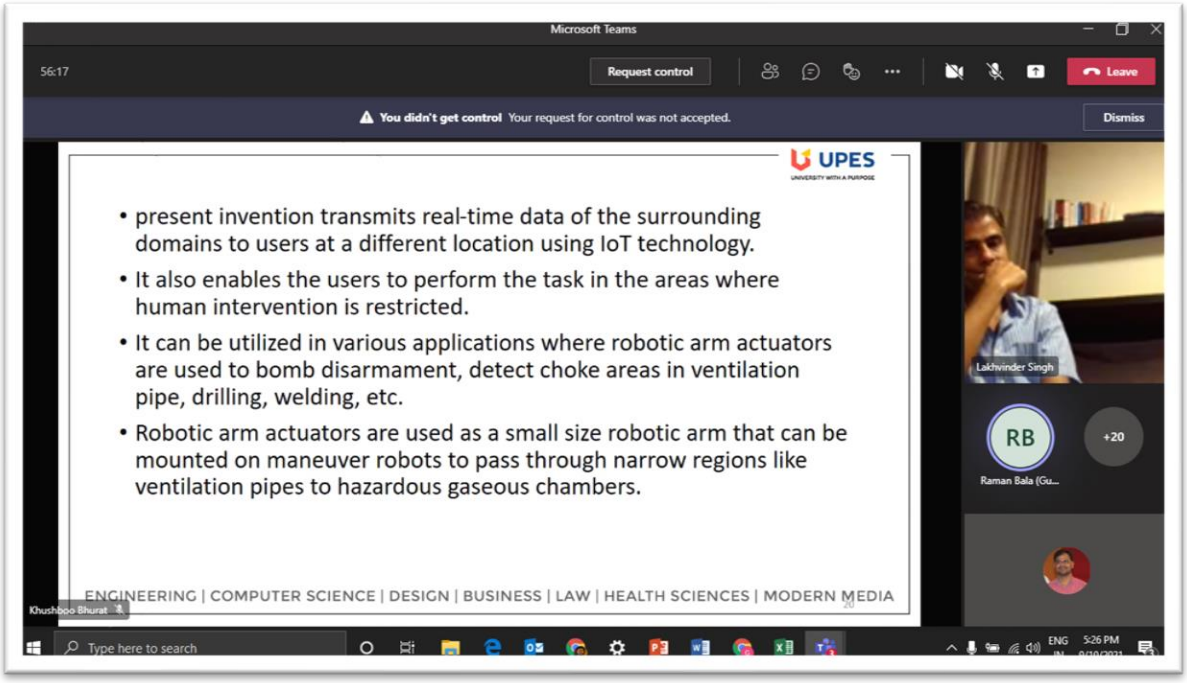
The meeting was aimed to discuss the brief information about the selected IPs and their market potential.

**MINUTES TO MEETING:**

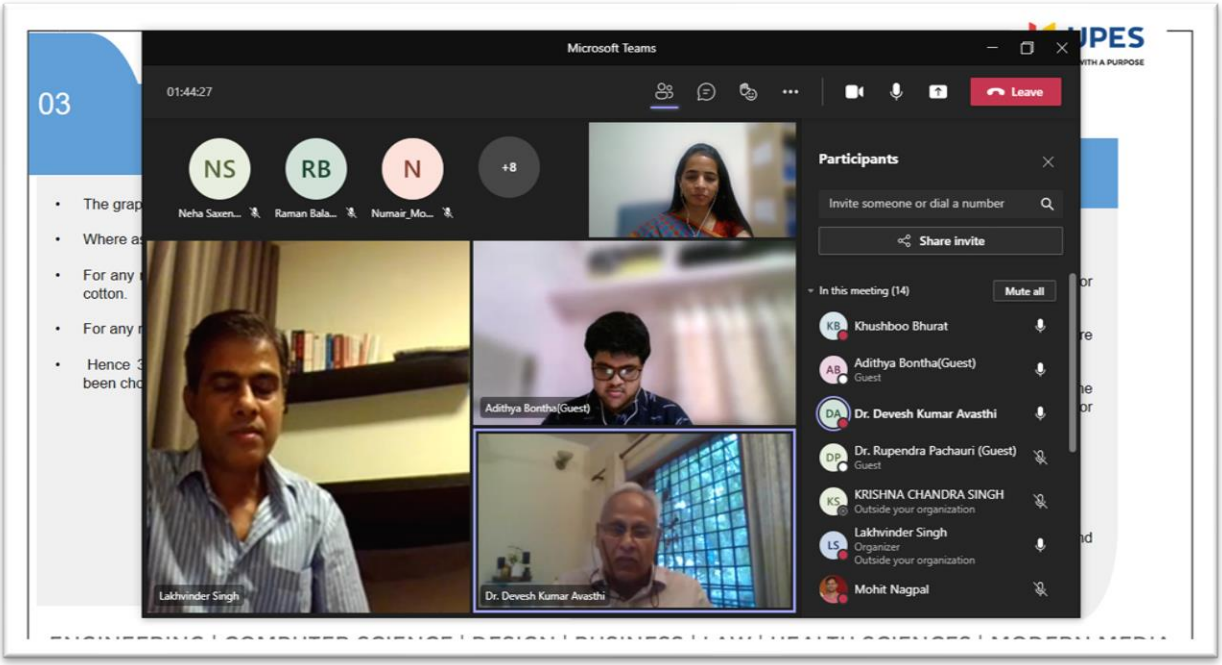
The meeting started with the opening remarks given by the Prof. Dr. S.M. Tauseef. He welcomed the investor and provided his insights on the meeting agenda.
Ms. Khushboo Bhurat started the presentation with introduction to the vision and mission of the R&D department towards IP protection and shared the statistical data of UPES IP portfolio.



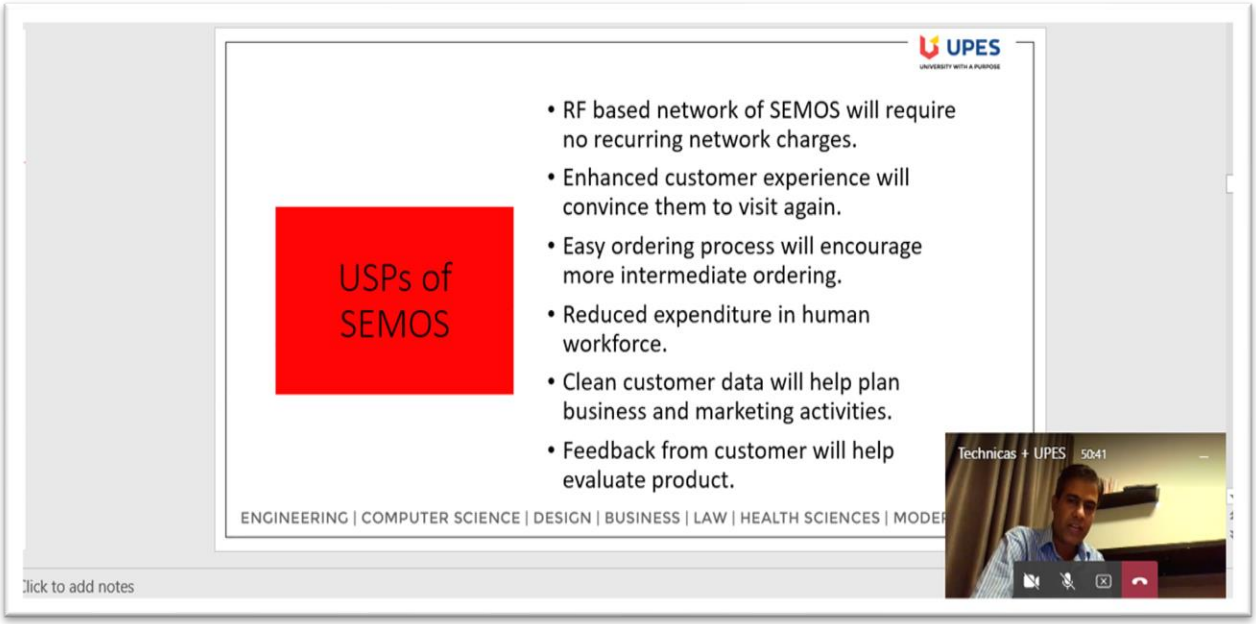

The discussion was taken further with each inventor along with their respective teams giving an overview of their invention.



Dr. D. K. Avasthi further developed the discussion with his inputs about the inventions being discussed. Presentation about each IP was followed by Q and A session open for the investor for discussion with inventors. The inventors explained the USPs of their invention and gave the statistical analysis of their features.




The investor shown interest in knowing some of the patent in details while he raised queries about applicability limitations of others.




The investor shared positive feedback about the discussion and promises to share his interest in particular IPs. The meeting concluded with vote of thanks to all the participants and the investor.