

Venkatesh Bharti

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Mr. Venkatesh Bharti is a distinguished and versatile solution finder, renowned for his remarkable contributions across various technical domains. **Recipient of the prestigious Young & Innovative Scientist Award from DRDO in 2022, conferred by the Defence Minister of India, Shri. Rajnath Singh**, Mr Bharti is celebrated for his groundbreaking achievements. His accolades extend further, being honoured by **IIT Directors and the Naval Chief of India, underscoring his exceptional impact on the scientific community.**

With over **100 intellectual property rights to his name, including 80+ Granted IP**, Mr. Bharti's expertise is unparalleled. His extensive experience spans multiple **start-ups in Ed-tech, Information-Tech, Legal-Tech, and Food-Tech, showcasing his ability to navigate and innovate across diverse industries.** His role as an **IOT Specialist, startup consultant, and advisor** highlights his capacity to provide strategic, actionable insights that drive growth and innovation.

Mr. Bharti's reputation as a speaker is well-established, having delivered over **50+ seminars, and sharing his profound knowledge and innovative ideas.** As a **guest lecturer at multiple universities, he inspires the next generation of scientists and entrepreneurs.** His experience with **India's Fortune 50+ firms, top 15+ academic institutions**, and numerous start-ups demonstrates his adeptness at expanding operations and developing new concepts.

Renowned for his brainstorming prowess and strategic planning, **Mr. Bharti excels in developing, organizing, and delivering compelling proof of concept demonstrations.** His ability to quickly identify issues and devise reliable solutions makes him a valuable asset, capable of transforming sectors with his innovative approaches. **His extensive knowledge in the technical aspects of patents and designs enables him to offer rapid and effective startup-building advice, comprehensible even to technicians.**

In essence, Mr. Venkatesh Bharti brings a wealth of expertise, passion, and a proven track record of success, making him an invaluable contributor to any innovative endeavour.

EDUCATION

Manav Rachna International Institute of Research and Studies
Master of Computer Application
Percentage – 8.29%

Manav Rachna International Institute of Research and Studies
Bachelor of Computer Application
Percentage – 73.3%

TECHNICAL SKILLS

Main skills: Intellectual Property Rights, IoT, Technology Transfer, Startup Consultancy, Early-Stage Startup Mentorship, Strategy Building, CSR, FCRA, R&D Commercialisation, Prototyping, Fund Raising, Incubations.

PATENT & JOURNAL PUBLICATIONS:

- **Title: ANGRAKSHAK HELMET: Protecting Soldiers**
Application No: 202111026791

Description: The head defender is outfitted with the Chip, Sensor, LCD (liquid-crystal display) show, and an engine that will help the warrior with recognizing the human by giving a vibration when an enemy endeavours to attack the fighter. With this innovation, the fighter can distinguish the adversary that can attack from the back, and just as the warrior can get the distance of the enemy through the LCD (liquid-crystal display) screen connected to the protective cap. By utilizing this protective cap fighter can save himself from some sort of threat from the back. In like manner, this structure will be helpful when the Soldier goes alone to the field Instructed by the Head General Officer, where an enemy can attack the

warrior from any bearing.

- **Title: Smart Safety Bracelet**

Application No: 202111039537

Description: Proposed structure "Smart Safety bracelet" is executed for the security of ladies. This structure includes ARM Microcontroller unit, TELIT-SE868K3 GPS Module, coin vibration motor, SIM800L, 3.7 V800mAH battery and 3.7 volt battery charger module. At the moment that the ladies is in harm's way or persevering through an attack situation she can start the system by clicking the button ON of the bracelet. To demonstrate that she is enduring an onslaught she can press micro catches joined to the proposed framework. By tapping the first catch ladies can send her area subtleties, for instance, longitude and scope by means of Text SMS function through our proposed structure and By tapping the second catch ladies can send a missed call to the registered contact number to show that she is bearing a surge.

- **Title: Multipack Liquid Cosmetic Container**

Application No: 351046-001

Description: Multipack Liquid cosmetic is a low-cost lipstick which is designed in a manner that a woman doesn't need to buy n number of lipsticks at the same time. The section of the lipstick includes an additional three lipstick holders with the separate brush. Therefore, we can say that it is 3 in 1 lipstick which is advantageous, insignificant and easy to carry. By buying 3 in 1 lipstick, our framework can save money of two other lipstick. Henceforth this will lessen the expense of lipstick and furthermore a lady doesn't have to carry many lipsticks.

- **Title: Passengers boarding and de-boarding safety device**

Application No: 357454-001

Description: The objective of this product is to be used as a safety cover between metro trains gate and station platform. This device will help overcome the safety issues that arises when the metro doors are opened and there is a large gap of about 9 to 10 cm between the metro train and station platform, which makes it dangerous, especially for children, heavy suitcases, and wheelchairs, this product will ensure easy and safe passage from metro to the platform.

- **Title: Solar Extension Board.**

Application No: 356470-001

Description: The Solar Extension Board is a device used as an extension board is to harness solar energy in order to use it as a portable power unit for mobile phones and other electronic devices, using sunlight as its ultimate power source, which can be used effectively during day-to-day basis or any emergency events.

- **Title: Dual Fluid Container**

Application No: 358311-001

Description: Dual Fluid Container is a low-cost liquid container which is designed in a manner that a person doesn't need to buy n number of bottles at the same time to store hot and cold liquid. The section of the dual fluid container includes two split portions with the separate caps. Therefore, we can say that it is 2 in 1 bottle which is advantageous, insignificant and easy to carry. By buying 2 in 1 bottle, our framework can save money of one other bottle. Henceforth this will lessen the expenhse of bottle and furthermore a person doesn't have to carry many bottles.

- **Title: Homey Brush, The door side cleaner**

Application No: 359405-001

Description: Homey Brush, The door side cleaner is a product which enables self-cleaning of floor area covered by turning radius of door and also helps in keeping the dust and external litter away from your house hold. This product is placed on lower portion of door, as shown in views, with the help of double-sided tape,

which allows easy installation and does not damage doors like conventional screws and nails. It also comes with standard customized brush length, because the gap between floor and door is not constant for every household, due to which the end-user will have the liberty to trim down the length to its desired limit, which also makes this, a personalized product.

- **Title: A novel device to produce electrical energy using vibration generated by its surrounding.**

Application No: 202211008825

Description: A Novel Device To Produce Electrical Energy Using Vibration Generated By Its Surrounding.

The device belongs to the category of sustainable energy devices, which is a key factor in renewable or clean energy production, which not only helps the environment but also in maintaining its equilibrium. The device works on the principle of converting mechanical energy, such as vibration, and converts it into mechanical energy, with the help of a spring, magnets, copper coils and diaphragm setup. The innovation works on the similar principal as a wind turbine but does not require their setup area and location limitations, which means this product requires minimal setup area and working conditions which makes it extremely ideal for every day usage, public sector usage, commercial usage and most importantly industrial usage. Its compact size, portability and scalability makes it stand out when compared to conventional methods of electricity generation device.

- **Title: Smart Flower Pot**

Application No: 363052-001

Description: Smart Flower Pot a novel self-sustainable flower pot is designed to keep your plants nourished in case there is no one to look after them, it will provide water automatically to the plants over a certain period of time as set by the end-user, the flower pot is built just above the water tank and it has small metal mesh vents to allow the excess water to fall back again in the tank, it will keep soil from getting overly damp and also will not waste any water.

- **Title: Gas Burner:**

Application No: 364336-001

Description: Gas Burner: A novel portable propane cooktop that is most suitable to be used as an outdoor cooking apparatus helpful for campers and trekkers in their adventures. This apparatus or burner can be used with a propane tank and when in absence of propane, it can still be used for cooking by placing firewood in the compartment provided in the device. There are 5 holes given on the sides for placing pieces of wood which would ultimately burn and provide required heat to the utensils placed above, like ancient cooking methods.

- **Title: A Novel Health Diagnosing System Using Multiple Sensors:**

Application No: 202211017548

Description: A Novel health diagnosing system using multiple sensors belongs to the category of portable medical devices and it is a combination of useful medical equipment's merged into one which will help provide medical assistance for in house and public usage. It is composed of 6 sensors including heart rate sensor, SpO2 sensor, EDA and ECG sensor along with a blood pressure measuring unit and a skin temperature sensing unit. There is also a 9-inch TFT touch screen available which will not only show you the results but also allow you to select which test you want take first or all of them. The sole purpose of this equipment is to make general medical checkups available to everyone and easily accessible. The user can also be provided with personalized history of their medical data based on their preferences and can also transfer their data from device to any computer or laptop and it also allows the user to make up to 6 different profiles which makes it extremely ideal for every day usage, home usage, public sector usage, and commercial usage.

- **Title: Health Diagnosing System:**
Application No: 367299-001

Description: Health diagnosing system belongs to the category of portable medical devices and it is a combination of useful medical equipment merged into one which will help provide medical assistance for in-house and public usage. It is composed of 6 sensors including heart rate sensor, SpO2 sensor, EDA, and ECG sensor along with a blood pressure measuring unit and a skin temperature sensing unit. There is also a 9-inch TFT touch screen available which will not only show you the results but also allow you to select which test you want take first or all of them. The sole purpose of this equipment is to make general medical check-ups available to everyone and easily accessible. The user can also be provided with a personalized history of their medical data based on their preferences and can also transfer their data from device to any computer or laptop and it also allows the user to make up to 6 different profiles which makes it extremely ideal for everyday usage, home usage, public sector usage, and commercial usage.

- **Title: Four in one fluid container:**
Application No: 362655-001

Description: **Four in one fluid container** is a low-cost liquid container which is designed in a manner that a woman doesn't need to buy n number of nail polish at the same time. The section of the **Four in one fluid container** includes an additional four nail polish fluid holders with a separate brush. Therefore, we can say that it is 4 in 1 nail polish container which is advantageous, insignificant and easy to carry. By buying 4 in 1 lipstick, our framework can save money of three other nail polish. Henceforth this will lessen the expense of nail polish and furthermore a lady doesn't have to carry many nail polish.

- **Title: Health Check-up Device:**
Application No: 364624-001

Description: A Novel health check-up system belongs to the category of portable medical devices and it is a combination of useful medical equipment merged into one which will help provide medical assistance for in-house and public usage. It is composed of 7 sensors including a Blood Pressure sensor, heart rate sensor, SpO2 sensor, EDA, and ECG sensor along with a skin temperature sensing unit and a bio impedance sensor. There is a touch screen available that will not only show you the results but also allow you to select which test you want to take first or all of them. The sole purpose of this equipment is to make general medical checkups available to everyone and easily accessible. The user can also be provided with a personalized history of their medical data based on their preferences and can also transfer their data from the device to any computer or laptop.

- **Title: Foldable desk cum laptop cooling pad:**
Application No: 362657-001

Description: A **Foldable desk cum laptop cooling pad** designed for multiple applications such as gaming, editing, and processing which generally heats up the laptop due to which performance is affected to counter that several vents and two cooling fans are provided pre-fitted inside the desk to help counter this problem, these fans can be operated by simply plugging a USB data cable to your laptop. This desk is made in 80:20 foldable ratio so that the user can use is according to the requirement and it also has foldable legs which fold in such a way that matches the surface of the table which makes it usable even with folded stand.

- **Title: Shoe Gripper:**
Application No: 363972-001

Description: Novel wearable apparel to convert any shoes into trekking shoes useful in any weather condition even in rain and snow, it comes with an elastic mount with holes provided for laces for further tightening of elastic around the shoes for better fitting, the sole present in this apparel has both spikes and conventional trekking design in order to improve grip and friction with the ground.

- **Title: Safety Wrist Band:**

Application No: 361993-001

Description: **Safety Wrist Band** defence technology is based on the principle of electroshock weapons, which is a less lethal weapon that utilizes a temporary high voltage, a low current electric shock that overrides the body's muscle-triggering mechanism to incapacitate a target by either temporarily disrupting voluntary muscle control and/or through pain compliance. **Safety Wrist Band** is made in the form of a wristband that can be easily wrapped around the wrist of the user, due to which it will be easier to reach and operate in emergency situations, and it must touch the subject/target in order to be used. This model is primarily made for women and focuses more on the aspect of women's safety, but it can be used by anyone over a certain age limit as a compact non-lethal defensive weapon.

- **Title: Exhaust Fan with Air filter:**

Application No: 365421-001

Description: **An exhaust Fan with an Air filter** is an exhaust mechanism comprised of stacked filters (pre-filter, HEPA filter, and HISIV filter) installed behind an exhaust fan. Pre-filters are used to extend the life of HEPA and HiSiv filters by eliminating big pollutants. HEPA filters remove PM 2.5 with greater than 99 percent efficiency, while Hisiv filters remove formaldehyde with 99 percent accuracy. All "Dust" particles are eliminated and the number of pollutants present in the air is decreased by 98 percent when air goes through a succession of these filters and out of the exhaust fan.

- **Title: Safety Indicator:**

Application No: 366345-001

Description: A gadget that uses led lights to identify or notify a person's presence in a dark or low-light environment, which can be used on helmets, backpacks, or bicycles. This gadget has three LED panels placed side by side and runs on two AA batteries. This gadget is designed as a band that is flexible enough to be utilized as a straight strip or on curved helmets with the help of double-sided tapes or any adhesive. The purpose of this device is to improve the safety of workers who generally travel at night in the dark, and because of the lack of light, they are always at risk of injury because the vehicle traveling at night will not be able to spot them unless they are very close, so this indicator will let drivers know from afar that someone is using that part of the road, which will ultimately help in reducing their chances of mishap.

- **Title: Smart Mug:**

Application No: 367145-001

Description: A novel smart cup, equipped with a temperature sensor and light indicator, and a beep sound to indicate the optimal temperature to consume any hot or cold liquid placed in it, so that the consumer will not forget to consume their desired liquid while waiting for it to cool down to an optimal temperature. It will be useful in corporate offices and even in households.

- **Title: Cart with sprinkler system:**

Application No: 367117-001

Description: A **cart with a sprinkler system** is a street vendor's cart equipped with a temperature sensor and water spray nozzles that can keep their stock fresh for a longer period of time. This cart is most useful in the summer when the heat and lack of moisture in the air around frequently cause vegetable and fruit vendors' stock to spoil. With the help of this cart, vendors can keep their stock fresh for a lot longer than usual.

- **Title: Smart Bird Enclosure:**
Application No: 367117-001

Description: A novel bird enclosure is outfitted with a temperature sensor, mist spray, and fan unit to keep the birds in the enclosure at the optimal temperature using the equipment installed. People who live in hot climates or transport birds can use this device to keep them healthy and protect them from heat strokes, which will ultimately help to improve their health and extend their life.

- **Title: Smart Walking stick for blind people:**
Application No: 368945-001

Description: This walking stick will include a built-in sonar that will assist visually impaired persons in navigating around streets or roads via a technology known as echolocation. The built-in sonar will transmit a sound wave towards the target, in this case, anything in front of the walking person, and listen to the reflections of the transmitted sound to obtain data, which will help the person holding the stick navigate through streets efficiently with a little bit of processing.

- **Title: Safety glasses with earbuds for workers:**
Application No: 370592-001

Description: This equipment consists of safety glasses and a safety earpiece that allows the user to use the security of both equipment simultaneously. Currently, we see people, particularly workers on the shop floor of factories and assembly lines, having to wear both of these things separately, which increases their work handling them, and as a result, most workers avoid wearing at least one of these two, which puts them at risk of compromise. So, to avoid this issue, this risk of health compromise, we developed a gadget that would allow them to obtain the safety of both pieces of equipment, allowing them to focus on their task rather than on anything else.

- **Title: The Chalk Stick Holder:**
Application No: 387412-001

Description: The Chalk Stick Holder offers an ergonomic grip and reduces hand fatigue during prolonged use. Its protective barrier prevents chalk dust from touching the skin, significantly minimizing the risk of skin infections and irritations.

What sets this device apart is its adjustable feature. By utilizing a screw-like mechanism, teachers can easily increase or decrease the length of chalk protrusion. This ensures optimal chalk usage, allowing teachers to make the most of each stick and reduce waste.

Durability is a key focus in its design, ensuring it withstands regular classroom use. The Chalk Stick Holder is compatible with various chalk sizes and brands, providing versatility and convenience.

With its comfort, hygiene, and adjustable chalk usage length, this device enhances the teaching experience while promoting sustainability by reducing chalk waste. Upgrade to the Chalk Stick Holder and revolutionize your teaching routine with improved comfort, hygiene, and efficiency.

- **Title: IoT-Based Lubrication System:**
Application No: 393431-001

Description: IoT-Based Lubrication System is an advanced paradigm that transcends conventional maintenance practices through the integration of Internet of Things (IoT) technology. This transformative solution is meticulously designed to usher in a new era of mechanical equipment management, optimizing operational efficiency and bolstering equipment longevity.

Functioning at the intersection of state-of-the-art sensors and data analytics, the IoT-Based Lubrication System operates as a real-time monitoring and dispensing apparatus. It continuously scrutinizes the operational conditions

of mechanical equipment, utilizing an intricate network of sensors to capture critical performance metrics. These sensors transmit data to a centralized platform where advanced analytics algorithms meticulously analyze and interpret the information.

The hallmark of this system's ingenuity is its autonomous precision in lubrication management. Through seamless interfacing with the equipment's mechanics, the system intelligently assesses lubrication demands. Upon detecting the opportune juncture, the system orchestrates a seamless and accurate dispensation of lubricant. This friction-reducing process optimally maintains mechanical components, mitigating wear and tear while enhancing overall efficiency.

- **Title: A novel device that uses face recognition to assess customer emotions and provide feedback.**

Application No: 385973-001

Description: A design involves a series of steps to capture and analyze customers' facial expressions as they interact with a product or service.

First, cameras or other imaging devices would be installed in the area where the product or service is being used. These devices would be positioned to capture the facial expressions of customers as they use the product or service.

Next, the facial recognition system would be trained to recognize and interpret various facial expressions, such as happiness, sadness, anger, or confusion. This would involve using machine learning algorithms to analyze large datasets of facial expressions and correlate them with specific emotions or states of mind.

Once the system is trained, it would be able to analyze the real-time facial expressions of customers as they use the product or service. The system could be programmed to track specific expressions that indicate positive or negative feedback, such as smiles or frowns, and record the time and location of these expressions.

The data collected by the facial recognition system could then be analyzed using analytics software to provide insights into customer satisfaction levels and identify areas for improvement. For example, if the system detects a lot of frowns or expressions of confusion, it may indicate that customers are having difficulty using the product or service and that additional training or instructional materials are needed.

Overall, a customer feedback system using facial recognition technology has the potential to provide valuable insights into customer satisfaction and improve the overall quality of products and services.

- **Title: Electronic Luggage Tracking Tag**

Application No: 400723-001

Description: Electronic Luggage Tracking Tag," is a smart solution designed to ensure peace of mind for travellers and streamline luggage management for hotel staff. This compact and feature-rich tag combines GPS and RFID technologies to offer a comprehensive luggage-tracking experience.

For travellers , the GPS functionality provides real-time location information for their luggage. With a simple touch of a button, users can activate the GPS to pinpoint the exact location of their belongings.

The RFID feature complements this by providing hotel staff with the ability to track the movement of luggage within the premises, offering timely updates to guests about their luggage's status.

The tag operates on a replaceable mercury cell, ensuring longevity and hassle-free usage. To conserve battery life when not in use, the tag includes a convenient ON and OFF button, putting control in the hands of the user. Additionally, the thoughtful design includes a blank rectangular space on the tag, providing users and hotel staff the option to personalize it by writing a serial number or any relevant information for easy identification.

Whether you're a traveller seeking real-time location updates or a hotel aiming to enhance guest services, this Electronic Luggage Tracking Tag can be your go-to solution. This device combines technology, convenience, and customization for a seamless travel experience.

- **Title: IoT Enabled Inhalers**

Application No: 392140-001

Description: The IOT Enabled Inhalers, are designed to revolutionize respiratory care for patients and healthcare providers alike. These advanced inhalers seamlessly integrate Internet of Things (IoT) technology, allowing them to record crucial usage data. With this invaluable information, patients can efficiently manage their respiratory conditions, while healthcare providers gain insightful data for delivering personalized and targeted healthcare.

These inhalers are equipped with state-of-the-art IoT technology, enabling seamless data transmission to secure cloud servers. Every puff taken from these IOT Enabled Inhalers is meticulously recorded and stored in the cloud. Patients can access their usage history through a user-friendly mobile app or web portal, empowering them to stay proactive in managing their respiratory health. Healthcare providers gain access to anonymized and aggregated data from multiple patients, offering valuable insights into inhaler usage patterns and overall treatment effectiveness.

These personalized health insights allow for tailored and more effective healthcare recommendations.

To enhance user experience and adherence, these inhalers come with an LED screen that displays essential information such as battery life, the number of puffs left in the container, and other relevant details. This feature enables patients to monitor the device's status and ensure they are prepared for uninterrupted usage. Additionally, a buzzer alert system is incorporated into the inhalers to provide timely reminders to the user when it's time to take a puff. This feature ensures that patients never miss their prescribed medication regimen, promoting better treatment outcomes and improved respiratory health.

- **Title: Meal nutrition calculator**

Application No: 388963-001

Description: This project introduces A novel device to calculate the nutritional values of your meal, a state-of-the-art food weight machine designed to provide accurate nutritional analysis based on the type of food placed on it. The primary objective of this project is to empower users with precise and instant information about the nutritional composition of their food, enabling informed dietary choices.

This employs cutting-edge technology and advanced algorithms to calculate the amount of nutrients present in the food. By inputting the type of food through a user-friendly interface, the machine utilizes a combination of weight measurement and a comprehensive food database to provide real-time nutritional information.

The machine's innovative design allows users to place their food on the weighing platform and select the appropriate food category from the interface. Then it calculates the nutritional values, including calories, macronutrients (such as carbohydrates, proteins, and fats), vitamins, minerals, and more.

Through the integration of an extensive food database, It accurately analyzes the composition of various foods, ensuring reliable and precise nutritional calculations. The database includes a wide range of common foods and can be regularly updated to include new items.

With A novel device to calculate the nutritional values of your meal, users can easily track and monitor their dietary intake.

The machine provides instant feedback on the nutritional content of their food, allowing individuals to make informed decisions based on their specific dietary goals, allergies, or nutritional requirements.

- **Title: Headband for Headache Relief**

Application No: 397808-001

Description: This IoT Neurostimulation Headband for Migraine Relief is an innovative product designed to offer highly effective and personalized comfort during migraine episodes. This advanced headband features strategically positioned massage points on the inside, covering the entire skull.

The concept involves gently stimulating specific pressure points associated with migraine relief. By carefully targeting these points, the headband promotes muscle relaxation, improves blood flow, and eases the discomfort associated with migraines. This unique approach can help reduce the intensity and duration of migraine episodes, providing soothing relief precisely where it's needed.

What sets our IoT Neurostimulation Headband apart is its connectivity and control through the Internet of Things (IoT). Our user-friendly mobile app allows you to effortlessly customize the intensity of vibrations and precisely target the areas that require attention, all while staying connected through IoT technology. Additionally, our app includes an interactive 3D model of a human skull, offering an intuitive way to pinpoint specific locations for migraine relief.

Furthermore, the headband comes with an included AC adapter that efficiently converts AC current to DC, ensuring a reliable and continuous power supply.

- **Title: Personalized Medicine organizer**

Application No: 390906-001

Description: Personalized Medicine organizer, is an innovative solution that revolutionizes medication management by offering a customizable and tailored approach to organizing medications. The primary objective of this project is to enhance medication adherence, simplify medication administration, and improve overall patient outcomes.

The Personalized Medicine organizer system consists of a customizable medication packaging system and a modular pill organizer with interchangeable compartments. This comprehensive solution operates on a user-friendly interface and employs intuitive mechanisms to optimize medication organization.

The customizable medication packaging system allows patients to personalize their medication schedule by organizing pills according to their specific needs. By inputting the medication schedule into the system, the packaging is customized to accommodate dosage frequency, medication combinations, and special instructions. This system ensures that medications are organized in a manner that aligns with the patient's prescribed regimen.

The modular pill organizer, a key component of the Personalized Medicine organizer system, features interchangeable compartments. Each compartment can be easily adjusted or removed to match the patient's medication regimen. The patient can select the appropriate compartments for each medication, arrange them in a way that corresponds to their prescribed schedule, and secure them within the pill organizer.

- **Title: Medicine Stability Chamber**

Application No: CBR NO: 215641

Description: In the realm of pharmaceuticals, maintaining the integrity of medicines is paramount. The Medicine Stability Chamber emerges as a technological marvel, meticulously designed to ensure the stability and efficacy of pharmaceuticals under diverse environmental conditions. Its significance lies in its ability to replicate and control environmental variables, providing a controlled haven for pharmaceuticals during testing and storage.

Crafted with precision, this chamber boasts advanced temperature and humidity controls. Its interior is intelligently compartmentalized, featuring multiple shelves to accommodate pharmaceutical products efficiently.

The chamber operates on the principle of mimicking various storage scenarios, enabling pharmaceutical scientists and manufacturers to subject medicines to conditions that simulate real-world challenges.

Key features include precise temperature control, humidity management, and, in some models, controlled lighting conditions. These features allow researchers to assess how medicines respond to a spectrum of environmental factors. The controlled environment becomes a testing ground, helping scientists understand and predict potential degradation issues that could compromise the quality of medications.

The Medicine Stability Chamber stands as a guardian of pharmaceutical quality, ensuring that medications retain their potency and efficacy throughout their shelf life. It is not merely a storage unit but a critical tool in the pharmaceutical manufacturing process, contributing significantly to the development of robust formulations. By subjecting medicines to controlled conditions, manufacturers can address potential challenges, guaranteeing that patients receive medications of the highest quality. In essence, the Medicine Stability Chamber is a cornerstone in pharmaceutical quality assurance, playing a pivotal role in delivering safe and effective medications to patients worldwide.

- **Title: Smart Pill Dispenser**
Application No: 389886-001

Description: Smart Pill Dispenser, is an intelligent device that revolutionizes medication management by automating pill sorting, dispensing, and tracking according to prescribed schedules. The primary objective of this project is to enhance medication adherence, reduce medication errors, and improve overall health outcomes.

The Smart Pill Dispenser operates on a sophisticated system that combines advanced technology, intuitive design, and connectivity features. The device utilizes a combination of sensors, a programmable interface, and connectivity options to ensure accurate and timely medication administration.

The device's automated process begins by inputting the medication schedule through the user-friendly interface or mobile app. The Smart Pill Dispenser employs advanced algorithms to calculate the specific dosage and schedule for each medication.

When it's time for medication administration, the device automatically dispenses the required pills into a designated compartment. Reminder alarms and visual alerts are triggered to notify the user, ensuring timely medication intake. The device tracks dosage history and updates the user's profile accordingly.

The Smart Pill Dispenser's connectivity features allow for seamless integration with mobile apps. Users and caregivers can remotely monitor medication adherence, receive dosage reminders, and access detailed reports on medication history and trends. The connectivity options enhance communication and collaboration between healthcare providers, users, and caregivers, ensuring comprehensive medication management.

- **Title: Travel Pillow**
Application No: 398794-001

Description: Travel Pillow is designed to redefine your comfort during journeys. This pillow integrates cutting-edge features to provide a holistic and rejuvenating travel experience.

Crafted for adaptability, the pillow offers adjustable support, catering to various sleep preferences and postures. Whether you prefer firmer support or a softer feel, this pillow can be easily customized to ensure personalized comfort throughout your trip.

Moreover, the pillow incorporates multiple advanced functionalities for a comprehensive travel experience. It includes built-in speakers that let you enjoy your favorite tunes or immerse yourself in audiobooks, all while relaxing. Alongside this, the sleep tracker feature enables users to monitor sleep patterns, offering valuable insights

into sleep quality and duration. To enhance relaxation further, the pillow also boasts massage capabilities, providing soothing vibrations to alleviate tension during travel.

- **Title: Pressure Cooker Whistle Counting Device**

Application No: 394115-001

Description: The Pressure Cooker Whistle Counting Device is an innovative kitchen accessory meticulously crafted to elevate cooking precision and efficiency. This specialized tool introduces a sophisticated solution for monitoring and optimizing the whistle count emitted by pressure cookers throughout the cooking process.

Operational through an intricate fusion of advanced sensor technology and intelligent data processing mechanisms, the Pressure Cooker Whistle Counting Device easily attaches to compatible pressure cookers. Upon attachment, it commences its meticulous observation of the cooking cycle. With each audible whistle released by the pressure cooker, the embedded sensors adeptly capture the acoustic signals, initiating a precise counting mechanism.

The device's core technology hinges upon cutting-edge sound recognition algorithms, ensuring unwavering accuracy and dependability in whistle detection. This harmonious amalgamation of auditory sensing and algorithmic analysis seamlessly culminates in a real-time display showcasing the precise whistle count. As a result, users are granted immediate and accurate insights into the cooking progress.

The installation process is elegantly streamlined, and the device is ingeniously engineered to seamlessly integrate with an array of pressure cooker models. Its unobtrusive design seamlessly complements modern kitchen aesthetics, while the functional interface ensures user-friendly readability.

- **Title: Sensory Simulation Device**

Application No: 390903-001

Description: Sensory Simulation Device is an innovative tool designed to elevate the physiotherapy experience by incorporating advanced sensory simulation techniques such as vibration, heat, cold therapy, and more. The primary objective of this project is to enhance physiotherapists' ability to deliver targeted and effective therapeutic interventions, leading to improved patient outcomes and satisfaction.

Working:

The Sensory Simulation Device operates through a sophisticated yet user-friendly interface, enabling physiotherapists to control and customize the sensory simulation techniques based on their patient's specific needs and treatment goals. The device employs cutting-edge technology to provide diverse sensory modalities that contribute to therapeutic efficacy.

Vibration Therapy: The device is equipped with adjustable vibration settings, allowing therapists to vary the intensity and frequency of vibrations to suit each patient's therapeutic requirements. Vibration therapy targets specific muscle groups, promoting blood flow, muscle relaxation, and pain relief.

- **Title: Smart Yoga and Exercise Mat**

Application No: 401565-001

Description: "Smart Yoga and Exercise Mat," is a revolution in fitness technology that transforms your workout routine into an interactive and personalized experience. This intelligent mat goes beyond traditional mats, providing real-time feedback on your exercise posture and intensity for a more effective and mindful workout. Equipped with square shaped pressure points strategically placed across the mat, it acts as your virtual fitness instructor. The mat senses the position of your hands, legs, and body coordinates, offering instant feedback when your exercise posture needs adjustment. This ensures that you maintain proper form, preventing injuries and

optimizing the benefits of your workout.

Enhancing the overall experience, the mat features Bluetooth connectivity and a built-in speaker. Users can enjoy narrated exercise routines or listen to their favorite music, creating a dynamic and immersive workout environment. The on-off switch and LED indicators offer user-friendly controls, allowing individuals to track workout intensity and duration. The LEDs provide visual cues, with all lights glowing if the workout is intense and only a few lighting up for a lighter session. This intuitive feature motivates users to maintain a balanced exercise routine.

Designed for versatility, the Smart Yoga and Exercise Mat seamlessly integrates technology with fitness, offering a holistic approach to your well-being. Elevate your workout experience with a mat that not only supports your physical activity but also guides you towards a healthier, more mindful lifestyle.

• **Title: Smart Irrigation System**
Application No: 398232-001

Description: Introducing our Smart Irrigation System is designed to elevate agricultural practices and maximize crop productivity. Central to this system is a hexagonal box equipped with an array of advanced features, meticulously crafted to ensure precise and efficient irrigation.

The core innovation lies in the system's ability to measure soil moisture accurately. With nine strategically positioned electrodes beneath the hexagonal box, this system provides real-time soil moisture data, guaranteeing that your fields receive the ideal amount of hydration. Stability is maintained through three star-shaped metal bars, ensuring the hexagonal box remains firmly grounded, allowing for consistent soil moisture monitoring.

This system doesn't stop at moisture measurement. It includes LED indicators on top of the hexagonal box, which provide instant feedback on its operational status. The built-in thermometer offers real-time temperature readings, crucial for making informed irrigation decisions and contributing to an intelligent irrigation algorithm. Multi-directional water inlets enable flexible irrigation from various angles, making it suitable for diverse field layouts.

The expandable and centralized control is a standout feature; each water inlet connection features corresponding wires, allowing you to connect multiple systems to a central unit. This unit manages all connected systems based on collected data, ensuring synchronized and efficient irrigation practices.

• **Title: Portable Device For U-V Disinfection With Computer-Generated Reports**
Application No: 388965-001

Description: This project introduces a breakthrough solution in the form of a Portable UV Disinfection Device with Computer-Generated Reports. The objective of this device is to revolutionize the sanitization process by combining the power of UV disinfection with advanced technology, enabling efficient and effective surface decontamination.

The device features a compact and lightweight design, making it highly portable and suitable for use in diverse environments such as offices, schools, hotels, and healthcare facilities. Equipped with powerful UV-C lights, it ensures comprehensive coverage and high-intensity UV rays for thorough disinfection.

One key innovation of the device lies in its ability to generate computer-generated reports after each disinfection cycle. These reports provide detailed data on the duration, intensity, and coverage of the UV disinfection process, enabling enhanced accountability and quality control measures. The reports serve as essential records for monitoring and ensuring adherence to sanitation protocols.

The user-friendly interface of the device allows for easy operation and monitoring. It incorporates safety features like motion sensors and auto shut-off to ensure safe usage and prevent UV ray exposure.

The Portable UV Disinfection Device with Computer-Generated Reports represents a significant advancement in the field of sanitization technology. Its implementation promises to elevate cleanliness standards, providing a safer and healthier environment for individuals in various settings.

- **Title: Voice Controlled Universal Remote**

Application No: 399929-001

Description: Voice Controlled Universal Remote, is a smart home essential that seamlessly connects and controls all your devices with unparalleled convenience. This advanced remote is designed to simplify your daily interactions with smart appliances, offering a combination of button-based and voice-command controls.

With the Voice Controlled Universal Remote, take charge of your home environment effortlessly. This device is engineered to sync with a myriad of smart devices such as TVs, AC units, lights, fans, and more. The user-friendly interface, complete with buttons and a responsive touch screen, empowers you to navigate and command each appliance with ease. The four dedicated memory buttons enable you to automate your routine by recalling predefined settings, providing a one-touch solution for your preferred configurations.

The integration of voice command functionality elevates the user experience further. Simply speak your instructions, and the Voice Controlled Universal Remote will execute your commands, offering a hands-free and intuitive control experience. The inclusion of a vibrant screen keeps you informed about the status of your connected devices, ensuring you're always in the know.

Equipped with a rechargeable battery, the Voice Controlled Universal Remote offers sustained usage and easy charging via a convenient Type-C charger. This device is not just a remote; it's a central hub that transforms your home into a smart, interconnected haven.

- **Title: Water Tank Cleaning Robot**

Application No: 387534-001

Description: The Bottom-Mounted Water Tank Cleaning Robot is an innovative solution for efficiently cleaning the interior walls of water tanks while operating from the tank's bottom. This robot is designed to navigate and clean the vertical surfaces of the tank without the need to climb or move along the walls.

Equipped with specialized cleaning mechanisms, the robot utilizes a combination of high-pressure water jets and rotating brushes. The high-pressure water jets effectively dislodge dirt, sediment, and contaminants from the walls, while the rotating brushes scrub and agitate the surfaces, and store all the waste and dirt inside a chamber with a help of a suction pump, ensuring a thorough cleaning process.

To ensure comprehensive coverage, the robot employs an intelligent navigation system. This system utilizes sensors and advanced algorithms to map the tank's interior and create a cleaning path. The robot follows this path, systematically cleaning the walls while avoiding obstacles or obstructions in its way.

The Bottom-Mounted Water Tank Cleaning Robot is designed to operate autonomously once it is placed at the bottom of the tank and activated. It moves along the tank floor, utilizing its cleaning mechanisms to clean the walls as it navigates. The robot's compact design allows it to manoeuvre effectively within the confined space of the tank, reaching all areas that require cleaning.

Safety features are incorporated to ensure the robot's efficient and secure operation. These features include obstacle detection sensors to prevent collisions with any objects or structures within the tank and an automatic shut-off mechanism to ensure the robot's operation ceases once the cleaning process is complete or in case of any malfunction.

By utilizing this innovative bottom-mounted design, the Water Tank Cleaning Robot offers a practical solution for homeowners to maintain clean and hygienic water tanks. With its efficient cleaning mechanisms and intelligent navigation, the robot ensures a thorough and convenient cleaning process, eliminating the need for manual cleaning or the use of more cumbersome methods.

- **Title: Monitoring Wearable With Early Warning System**

Application No: 400440-001

Description: "Monitoring Wearable With Early Warning System," is a holistic solution for real-time health tracking that places your well-being at your fingertips. This sleek wearable seamlessly integrates advanced health monitoring features with user-friendly controls to empower you on your health journey.

Constantly vigilant, this device monitors vital health parameters, including but not limited to heart rate, blood pressure, and more. In the pursuit of proactive health management, the inbuilt buzzer acts as a personalized alert system, notifying you when preset parameters deviate from your defined thresholds. The flexibility of setting your own health targets ensures that the device caters to your individual health goals.

The Monitoring Wearable With Early Warning System features a state-of-the-art touchscreen interface, providing a smooth and intuitive user experience. Easily navigate through your health metrics and settings, making health management a seamless part of your daily routine.

Designed for convenience and longevity, the device comes with an inbuilt battery that ensures extended usage between charges. When it's time for a recharge, the Type-C charging point simplifies the process, ensuring you spend more time focusing on your health and less on device maintenance.

More than just a wearable, this device is your personal health companion, offering insights and alerts that empower you to take control of your well-being.

- **Title: Wearable Language Translator**

Application No: 399938-001

Description: Wearable Language Translator, a fusion of futuristic design and advanced communication technology. This sleek wearable device is useful for on-the-go communication with its real-time language translation capabilities and user-friendly features.

The Wearable Language Translator boasts a touchscreen interface that simplifies language translation with intuitive controls. Residing within its futuristic design are mic and speaker grills that deliver crisp and clear translations, enhancing both convenience and clarity during conversations. The device is equipped with an inbuilt battery for extended usage and features a Type-C charging slot for efficient and fast charging, ensuring it's always ready to break down language barriers whenever you need it.

Designed for the modern, global citizen, this wearable translator transcends traditional language boundaries. It becomes your personal interpreter, providing real-time, accurate translations between multiple languages, making it indispensable for travel, business, and international conversations. More than a device, it represents the future of effortless communication, elegantly combining form and function.

- **Title: Hand Gesture-Based Automatic Wheelchair**

Application No: 391977-001

Description: The Hand Gesture-Based Automatic Wheelchair is an innovative project aimed at revolutionizing the mobility experience for individuals with physical disabilities. This cutting-edge wheelchair utilizes advanced gesture recognition technology to enable smooth and intuitive navigation, providing users with enhanced

independence and control over their movement. This product description presents a comprehensive overview of the design, functionality, and potential impact of the Hand Gesture-Based Automatic Wheelchair.

The Hand Gesture-Based Automatic Wheelchair is a state-of-the-art mobility solution for individuals with limited mobility. It uses advanced gesture recognition technology to interpret hand movements, eliminating the need for traditional joystick controls.

- **Title: Virtual Reality Hotel Tour**
Application No: 403013-001

Description: Virtual Reality Hotel Tour, is a groundbreaking device that redefines how potential customers experience hotels before making reservations. This innovative technology offers a captivating and immersive journey, allowing users to virtually walk through hotel rooms and explore amenities, providing an unparalleled preview of their future stay.

Designed with the discerning traveler in mind, this device transforms the hotel selection process. Users can don a virtual reality headset and find themselves transported into the heart of the hotel. Wander through elegantly appointed rooms, visualize the ambiance of common areas, and virtually experience the array of amenities at their fingertips, all from the comfort of their current location.

Key features of the Virtual Reality Hotel Tour include a user-friendly interface that enables effortless navigation through various hotel spaces. Users can explore different room categories, take in panoramic views, and get a feel for the overall ambiance. This immersive experience is not only a game-changer for customers but also a powerful marketing tool for hotels seeking to showcase their offerings dynamically and engagingly.

- **Title: Vestibular Rehabilitation Neck Band**
Application No: 406269-001

Description: The device is equipped with strategically positioned resting slabs that cradle the neck, offering a gentle yet effective reminder to keep your head and spinal column aligned and also provide massaging functionalities when necessary. The neck band incorporates a rechargeable design for sustained use, ensuring it remains a reliable companion throughout your day.

Adding a layer of intelligence to its functionality, the Vestibular Rehabilitation Neck Band includes a vibration motor. This motor comes into play as a subtle, real-time indicator, alerting users when their posture deviates from the optimal alignment. The vibrations act as a gentle nudge, promoting immediate adjustments and fostering awareness of neck posture.

The intelligent sensors within the device continuously monitor the alignment of your head and neck. When a deviation is detected, the vibration motor activates, providing timely feedback. This seamless integration of support and real-time guidance ensures that you not only experience physical comfort but also actively engage in cultivating healthier neck habits.

- **Title: The Solar-Powered Plant & Soil Health Monitoring System**
Application No: 391613-001

Description: The Solar Powered Plant & Soil Health Monitoring System is aimed at revolutionizing gardening and agriculture practices. This project's main objective was to design and develop a self-sustaining device capable of assessing soil health and predicting its impact on plant growth. By harnessing solar energy and utilizing advanced sensor technology, this system offers a sustainable and efficient solution for optimizing crop productivity.

The hardware component comprised a solar panel, sensors for pH, moisture, temperature, and nutrient levels, a microcontroller unit, and a data communication module. The solar panel was designed to be manually rotatable, allowing users to adjust its orientation for optimal sunlight exposure.

- **Title: Posture correction device**
Application No: 390846-001

Description: Posture correction device, is an innovative wearable technology designed to revolutionize movement tracking and posture correction for patients during exercise and daily activities. The primary objective of this project is to provide real-time feedback through vibrations, assisting patients in correcting improper movements and offering personalized exercise guidance for improved fitness and rehabilitation outcomes.

- **Title: Smart Towel Dispenser with RFID Technology**
Application No: 405288-001

Description: Smart Towel Dispenser is a cutting-edge solution designed to redefine hospitality at pools and gyms of hotels and resorts. This dispenser seamlessly integrates RFID technology, ensuring controlled access and minimizing waste while providing guests with the convenience of fresh towels at their fingertips.

Guests can now enjoy a hassle-free experience by simply scanning their room key at the dispenser. This RFID-enabled technology not only guarantees controlled access to towels but also enhances security, making sure that only authorized individuals can access this complimentary amenity.

- **Title: Smart Mirror Fitness Trainer**
Application No: 403597-001

Description: Smart Mirror Fitness Trainer, is a revolutionary blend of technology and wellness that transforms your home into a state-of-the-art fitness studio. This innovative mirror, equipped with an embedded camera and advanced AI, is your personal fitness companion, offering real-time feedback, progress monitoring, and immersive fitness classes through an interactive display seamlessly integrated into the mirror.

At the heart of this fitness revolution is the embedded camera and AI system that works in tandem to provide unparalleled insights into your workout form. Receive instant feedback on your movements, ensuring that each squat, plank, or yoga pose is executed with precision. The mirror becomes your virtual fitness instructor, offering corrections and encouragement in real time, making every session as effective as having a personal trainer by your side.

- **Title: Adaptive Resistance Training Band System**
Application No: 403167-001

Description: Adaptive Resistance Band Training System is an intelligent and dynamic solution that redefines the way we approach resistance training. This cutting-edge system is equipped with sensors that measure force and motion, offering a workout experience that adapts in real-time to the user's strength and range of motion.

The heart of this innovation lies in its ability to dynamically adjust resistance levels during exercises. As users engage in various workouts, the system intelligently gauges their strength and motion, automatically modifying the resistance of the bands to ensure a challenging yet safe workout. This real-time adaptation optimizes every exercise, making it suitable for users of different fitness levels.

- **Title: Adaptive Posture Guidance Belt**

Application No: 408787-001

Description: A wearable designed for individuals undergoing spine and back rehabilitation. The Posture Guidance Belt stands out as a sophisticated solution, seamlessly integrating advanced haptic feedback modules that play a pivotal role in gently guiding users into maintaining correct posture during their daily activities.

Crafted with precision, this innovative belt prioritizes user comfort. Its ergonomic and lightweight design ensures that users can effortlessly incorporate it into their daily routines without compromising on comfort. The adjustable nature of the belt further enhances its adaptability to individual needs.

At the heart of this wearable is a real-time posture monitoring system. Equipped with state-of-the-art sensors, including accelerometers and gyroscopes, the belt continually monitors the user's posture. When deviations from the correct posture are detected, the haptic feedback modules come to life, delivering nuanced vibrations that act as timely and gentle cues for users to make corrective adjustments.

- **Title: IOT INTEGRATED SMART WASTE SORTING BINS**
Application No: 410165-001

Description: IOT INTEGRATED SMART WASTE SORTING BINS is an IoT-integrated waste sorting solution that heralds a new era in sustainable living. This cutting-edge bin is equipped with state-of-the-art IoT sensors and cameras, designed to automatically segregate recyclables from non-recyclables, simplifying waste management for a greener future.

At the heart of the Smart Sort Bin is its intelligent sorting mechanism. The advanced sensors and cameras work in tandem to identify and categorize items as they are disposed of, ensuring that recyclables find their way to the right stream. This not only streamlines the recycling process but also empowers users to make eco-conscious choices effortlessly.

User engagement is a key aspect of the IOT INTEGRATED SMART WASTE SORTING BINS design. Through a user-friendly interface, individuals can receive detailed recycling reports, gaining insights into their environmental contributions. The bin acts as a sustainability partner, fostering a sense of responsibility and encouraging users to actively participate in recycling efforts.

The IOT INTEGRATED SMART WASTE SORTING BINS is more than just a waste receptacle; it's a powerful tool in the collective journey towards a circular economy. By automating the sorting process, it significantly reduces the burden on traditional waste management systems and promotes the efficient use of recyclable materials.

This innovative solution extends its impact beyond individual households. IOT INTEGRATED SMART WASTE SORTING BINS can be strategically deployed in public spaces, offices, and communal areas, creating a network of smart waste management units contributing to a cleaner, more sustainable world.

- **Title: Portable Hydrotherapy Device**
Application No: 403772-001

Description: The Portable Hydrotherapy Device, is a portable therapy device for on-the-go relaxation and targeted therapy. This innovative device, equipped with a customizable nozzle gun, brings the rejuvenating benefits of hydrotherapy to your fingertips, providing soothing relief and localized wellness wherever life takes you.

The device's unique nozzle gun design serves as a versatile water outlet, allowing you to precisely direct the therapeutic water flow to the specific areas that need attention. Whether it's to ease muscle tension after a workout or to enjoy a moment of tranquillity, the adjustable nozzle gun empowers you to tailor your hydrotherapy experience, the nozzle gun can also adjust water pressure for a personalized experience.

Experience the versatility of both cool and hot water modes, offering a range of therapeutic benefits to suit your preferences and needs. The hot water mode is perfect for melting away stress and promoting relaxation, while the cool water option provides a refreshing and invigorating sensation, making it ideal for revitalizing tired muscles.

Designed for convenience, the Portable Hydrotherapy Device features an intuitive user interface, ensuring effortless navigation through different modes and settings. Its compact and portable design makes it an essential companion for travellers, fitness enthusiasts, or anyone seeking the benefits of hydrotherapy on the move.

- **Title: Medicine Stability Chamber**
Application No: 401820-001

Description: In the realm of pharmaceuticals, maintaining the integrity of medicines is paramount. The Medicine Stability Chamber emerges as a technological marvel, meticulously designed to ensure the stability and efficacy of pharmaceuticals under diverse environmental conditions. Its significance lies in its ability to replicate and control environmental variables, providing a controlled haven for pharmaceuticals during testing and storage.

Crafted with precision, this chamber boasts advanced temperature and humidity controls. Its interior is intelligently compartmentalized, featuring multiple shelves to accommodate pharmaceutical products efficiently. The chamber operates on the principle of mimicking various storage scenarios, enabling pharmaceutical scientists and manufacturers to subject medicines to conditions that simulate real-world challenges.

Key features include precise temperature control, humidity management, and, in some models, controlled lighting conditions. These features allow researchers to assess how medicines respond to a spectrum of environmental factors. The controlled environment becomes a testing ground, helping scientists understand and predict potential degradation issues that could compromise the quality of medications.

The Medicine Stability Chamber stands as a guardian of pharmaceutical quality, ensuring that medications retain their potency and efficacy throughout their shelf life. It is not merely a storage unit but a critical tool in the pharmaceutical manufacturing process, contributing significantly to the development of robust formulations. By subjecting medicines to controlled conditions, manufacturers can address potential challenges, guaranteeing that patients receive medications of the highest quality. In essence, the Medicine Stability Chamber is a cornerstone in pharmaceutical quality assurance, playing a pivotal role in delivering safe and effective medications to patients worldwide.

- **Title: SMART GAIT ANALYSIS INSOLES**
Application No: 409922-001

Description: The smart gait analysis insoles, is an innovative solution meticulously crafted to aid individuals in addressing complex foot-related concerns, including but not limited to flat feet and imbalances. This state-of-the-art device amalgamates advanced pressure sensors, movable slots, and an accelerometer to furnish a meticulous analysis of an individual's gait and intricate foot mechanics.

Featuring two precisely adjustable slots, users can seamlessly position their feet for a bespoke analysis. These slots, augmented with sophisticated pressure sensors and pins, provide dynamic insights into the nuanced distribution of pressure across various areas of the foot during locomotion showcased on screen. The mobility of these slots is designed to facilitate purposeful exercises, specifically tailored to alleviate imbalances or rectify flat foot problems.

The device's real-time pressure sensors deliver immediate data on the dispersion of foot pressure, presenting invaluable information for both users and healthcare professionals. Whether managing a specific foot ailment or aspiring to elevate overall foot well-being, the smart gait analysis insoles functions as a discerning guide for refining gait and rectifying imbalances.

- **Title: Task Efficiency Tracker**
Application No: 410197-001

Description: Task Efficiency Tracker is a groundbreaking solution designed to enhance productivity and well-being in the workplace. This innovative device seamlessly clips onto an employee's clothing, utilizing advanced motion-tracking technology to monitor movements and suggest strategic breaks and office reminders for optimized work patterns and stress reduction.

At the core of the Task Efficiency Tracker is its commitment to fostering a healthier and more productive work environment. The device employs sophisticated algorithms to analyze an employee's movements throughout the day. By understanding activity patterns, it intelligently recommends breaks, stretches, or brief pauses, ensuring that work is aligned with optimal efficiency and overall well-being.

One of the key features of the Task Efficiency Tracker is its adaptability. The device recognizes individual work habits and customizes suggestions based on the specific needs and preferences of the user. This personalized approach empowers employees to structure their workday in a way that maximizes efficiency and minimizes stress.

- **Title: Voice-Activated Breathing Coach**
Application No: 410227-001

Description: Voice-Activated Breathing Coach Device is a revolutionary hands-free device designed to guide and support patients through targeted breathing exercises. This innovative tool is a beacon of hope for individuals with respiratory conditions, offering a personalized and effective means to enhance lung function and overall well-being.

At the heart of this transformative device is its intuitive voice-activated interface. Patients can embark on their breathing exercises without the need for buttons or manual controls, allowing for a seamless and immersive experience. The device responds dynamically to the user's voice commands, creating a user-friendly and accessible solution for individuals of all ages.

Tailored breathing exercises, crafted in collaboration with healthcare professionals, ensure that patients receive precise guidance in optimizing their respiratory health. The Breathing Coach employs a variety of techniques, such as deep breathing, diaphragmatic breathing, and paced breathing, all tailored to the individual's condition and progress.

The device is not just a coach; it's a supportive companion on the journey to improved lung function. Real-time feedback and encouragement from the Voice-Activated Breathing Coach motivate users to stay consistent with their exercises, fostering a positive and empowering approach to respiratory wellness.

As a hands-free solution, this device seamlessly integrates into daily life, allowing patients to engage in their exercises while going about their routine activities. The discreet and portable design ensures that respiratory support is always within reach, enhancing patient compliance and the effectiveness of the breathing regimen.

- **Title: Handheld Nanoparticle Size Analyzer**
Application No: 410259-001

Description: Handheld Nano Particle Size Analyzer is a compact marvel equipped with cutting-edge laser diffraction technology, poised to transform quality control in the pharmaceutical industry. This handheld device ensures quick and precise analysis of nano particle sizes in semi-solid pharmaceutical formulations, offering on-the-spot measurements for enhanced process control and efficiency.

At the heart of this innovation lies the power of laser diffraction technology, providing accurate insights into the particle sizes within pharmaceutical formulations. The handheld design of the analyzer offers unparalleled portability, allowing pharmaceutical professionals to conduct real-time measurements at various stages of production, from research and development to manufacturing.

The device's on-the-spot analysis capability significantly accelerates decision-making processes, enabling swift adjustments to formulations or manufacturing processes based on the immediate feedback provided. This not only streamlines production timelines but also contributes to maintaining the highest standards of quality control in pharmaceutical formulations

The Handheld Nano Particle Size Analyzer is designed with user convenience in mind. Its intuitive interface allows for easy operation, making it accessible to professionals across various expertise levels. The compact size and portability of the device make it an indispensable tool for pharmaceutical research and manufacturing facilities, facilitating precise and efficient processes.

- **Title: Pressure-Sensitive Hand Grip Exerciser**
Application No: 410352-001

Description: Pressure-Sensitive Hand Grip Exerciser is a breakthrough in rehabilitative tools designed to empower users in their hand-strengthening journey. This innovative device, equipped with pressure sensors, transcends traditional handgrip exercisers by providing real-time feedback on grip strength and endurance.

At its core, this exerciser is tailored for individuals undergoing rehabilitation, aiming to enhance their hand strength and dexterity. The incorporation of pressure sensors elevates the rehabilitation experience, offering users precise insights into their grip dynamics. Patients can perform targeted hand-strengthening exercises while receiving immediate feedback, creating a dynamic and interactive rehabilitation process.

The pressure-sensitive technology not only gauges grip strength but also monitors endurance levels during exercises. This dual functionality allows healthcare professionals to tailor rehabilitation programs more effectively, ensuring that patients progress at a pace that optimally supports their recovery.

The user-friendly design of the Pressure-Sensitive Hand Grip Exerciser makes it accessible to a wide range of users. The ergonomic grip and intuitive pressure-sensitive interface ensure a seamless and comfortable exercise experience. Its portable nature further encourages users to integrate hand-strengthening exercises into their daily routines, fostering consistency and better outcomes.

- **Title: Solar-Powered Enabled Tiffin Box**
Application No: 410783-001

Description: The Solar-Powered Enabled Tiffin Box, a revolutionary solution for keeping your meals warm on the go! This innovative tiffin box features a sleek solar panel sheet on its lid, harnessing the sun's energy to heat up your food. Additionally, it's equipped with a built-in battery and a convenient Type-C charger, offering flexibility for recharging both through solar power and traditional sources. Ideal for students, office workers, or anyone on the move, this eco-friendly tiffin box ensures your meals stay deliciously hot wherever you are. Say goodbye to cold lunches and embrace the convenience and sustainability of the Solar-Powered Enabled Tiffin Box today!

- **Title: IoT-Enabled Wearable Device for Cancer Survivorship Monitoring**
Application No: 411329-001

Description: IoT-Enabled Wearable Device for Cancer Survivorship Monitoring, a groundbreaking solution designed to support cancer survivors in their post-treatment journey. Embedded with cutting-edge IoT sensors, this wearable device continuously monitors the health and well-being of cancer survivors, offering personalized insights and support for maintaining optimal health and preventing cancer recurrence.

At the core of this innovative device are advanced IoT sensors that track various aspects of survivors' health, including physical activity, sleep patterns, and vital signs. These sensors provide real-time data, allowing survivors to stay informed about their health status and make proactive decisions to support their well-being.

The wearable device offers cancer survivors a holistic approach to monitoring their health post-treatment. By tracking

physical activity levels, survivors can ensure they maintain an active lifestyle, which is crucial for overall health and wellness. Additionally, monitoring sleep patterns helps survivors optimize their restorative sleep, promoting better physical and mental health.

One of the key features of the IoT-enabled wearable device is its ability to provide personalized insights and support to cancer survivors. By analyzing the data collected from the sensors, the device offers tailored recommendations and resources to help survivors manage their health effectively. Whether it's reminders to stay active, tips for improving sleep quality, or guidance on nutrition and wellness, this device empowers survivors to take control of their health and live life to the fullest.

With its advanced technology and personalized approach, the IoT-Enabled Wearable Device for Cancer Survivorship Monitoring is poised to transform the way cancer survivors manage their health post-treatment. By providing continuous monitoring, actionable insights, and ongoing support, this device offers survivors the tools they need to thrive beyond cancer.

- **Title: AI-Powered Predictive Analytics Desk**
Application No: 411413-001

Description: AI-Powered Predictive Analytics Desk is a groundbreaking solution poised to transform decision-making in the workplace. This intelligent desk is equipped with cutting-edge AI algorithms that analyze vast amounts of historical data, predict future trends, and display actionable insights in real-time, empowering managers and employees to make informed decisions and strategic plans.

At the heart of this innovative desk is its advanced AI technology, which leverages sophisticated algorithms to sift through historical data and identify patterns and trends. By analyzing past performance and external factors, the desk can accurately predict future outcomes, helping organizations anticipate market trends, customer behavior, and operational challenges.

One of the key features of the AI-Powered Predictive Analytics Desk is its ability to provide actionable insights in real-time. As data is analyzed, the desk displays relevant information and recommendations, enabling managers and employees to respond swiftly to emerging opportunities or challenges. Whether it's identifying potential risks, optimizing resource allocation, or seizing growth opportunities, this desk serves as a valuable decision-making tool.

Moreover, the AI-Powered Predictive Analytics Desk fosters collaboration and transparency within organizations. By providing access to predictive insights and data-driven recommendations, the desk facilitates meaningful discussions and informed decision-making across teams and departments. This collaborative approach enables organizations to harness the collective intelligence of their workforce and drive innovation and growth.

With its AI-powered capabilities and real-time insights, the Predictive Analytics Desk represents a significant advancement in workplace technology. By harnessing the power of predictive analytics, organizations can gain a competitive edge, anticipate market shifts, and make strategic decisions that drive success and sustainable growth.

- **Title: Waste Sorting & Recycling Station**
Application No: 413302-001

Description: The IoT-Connected Waste Sorting and Recycling Bin is a smart solution designed to revolutionize waste management in common areas. This innovative waste sorting station incorporates IoT technology to encourage guests to recycle properly and provides real-time data on recycling efforts, fostering sustainable practices and environmental awareness.

Equipped with advanced sensors and connectivity capabilities, the IoT-connected bin offers a seamless recycling experience. Guests are guided to sort their waste properly, ensuring that recyclable materials are separated from non-recyclables. The station's intuitive design and interactive interface make recycling effortless and accessible, encouraging participation and promoting eco-friendly behaviours.

Beyond its user-friendly features, the IoT-connected bin serves as a data-driven tool for monitoring recycling efforts. Real-time data on recycling rates, types of materials collected, and waste diversion metrics are gathered and transmitted to environmental agencies and concerned citizens. This transparency empowers stakeholders to make

informed decisions and implement targeted initiatives to improve recycling rates and reduce waste.

The IoT-Connected Waste Sorting and Recycling Bin represents a transformative approach to waste management, leveraging technology to promote sustainability and environmental responsibility. By encouraging proper recycling practices and providing actionable data, this innovative solution drives positive environmental impact and supports the transition towards a circular economy.

- **Title: Student Academic Assistant Band**
Application No: 416551-001

Description: Student Academic Assistant Band is an innovative academic support system meticulously designed to enhance students' learning experience and academic performance. This sophisticated tool seamlessly integrates into students' daily routines, offering personalized assistance, timely reminders, and motivational guidance.

At its core, the Student Academic Assistant Band tracks students' academic schedules and progress, utilizing intelligent algorithms to analyze individual study patterns and assignment timelines. Through personalized notifications and gentle reminders, it empowers students to stay organized and on track with their coursework, eliminating the stress of missed deadlines and last-minute cramming.

The discreet design ensures that the Student Academic Assistant Band seamlessly integrates into students' lives, providing subtle prompts and notifications without disrupting their daily activities. With its intuitive interface and customizable features, students can easily tailor their study schedules and notification settings to suit their individual preferences and learning styles.

Motivation is key to academic success, and the Student Academic Assistant Band excels in this regard. Thoughtfully curated motivational messages inspire and encourage students during challenging study sessions, fostering a positive and conducive learning environment.

Privacy and security are paramount, and the Student Academic Assistant Band prioritizes the protection of students' academic information. Robust encryption and secure data storage protocols ensure that sensitive data remains confidential and accessible only to the user. Student Academic Assistant Band is not just a tool; it's a dedicated academic companion committed to supporting students on their journey to success.

- **Title: Smart Locker System for Secure Student Storage**
Application No: 421668-001

Description: The Smart Locker System for Secure Student Storage is a cutting-edge solution designed to provide students with safe and convenient storage options. These lockers are equipped with IoT-enabled locks, which can be unlocked using a mobile app or student ID card, ensuring ease of access and enhanced security for personal belongings on campus.

The Smart Locker System allows students to reserve lockers in advance, making it simple to secure a storage space as needed. Additionally, students receive real-time notifications when their locker is accessed, providing peace of mind and added security. This system also includes locker usage analytics, offering valuable insights into usage patterns and ensuring efficient locker management.

Designed with the needs of modern students in mind, the Smart Locker System enhances campus life by offering a secure, reliable storage solution. Its IoT-enabled features provide a seamless user experience, combining convenience with robust security measures. This system not only protects students' personal items but also contributes to a safer, more organized campus environment.

- **Title: Advanced Biopolymer Composite Materials With IOT Monitoring System**
Application No: 434938-001

Description: These advanced composite materials are engineered using bio-polymers and synthetic compounds to offer exceptional chemical stability, durability, and environmental resilience. Specifically designed for use in chemical processing, laboratory applications, and road infrastructure, these materials excel in harsh environments where resistance to chemicals, temperature variations, and wear is critical.

At road construction sites, robotic arms integrated with precision sensors will be employed to apply these composites efficiently, ensuring accurate and consistent deployment. IoT sensors embedded within the composite materials will continuously monitor key parameters such as temperature, chemical interaction, stress, and structural integrity. This real-time data is used to predict material fatigue, optimize construction processes, and enable proactive maintenance.

The use of bio-polymer composites provides an eco-friendly alternative to traditional road materials, enhancing sustainability while maintaining high performance. These innovations combine the power of IoT monitoring and automation, revolutionizing chemical processes and road infrastructure for long-term efficiency and reliability.

• **Title: HANDHELD NANOPARTICLE SIZE ANALYZER 2.0**

Application No: 420456-001

Description: The Handheld Nano Particle Analyzer 2.0 is a groundbreaking device, integrating state-of-the-art laser diffraction technology to revolutionize quality control in the pharmaceutical sector. This compact analyzer delivers rapid and precise nanoparticle size analysis in semi-solid pharmaceutical formulations, providing real-time measurements to enhance process control and efficiency.

Central to this innovation is the advanced laser diffraction technology, which ensures highly accurate particle size measurement within pharmaceutical formulations. Its handheld design offers unmatched portability, enabling professionals to conduct immediate on-site analyses at various production stages, from research and development to manufacturing. Additionally, the analyzer incorporates high-precision optical sensors and photodetectors to accurately capture and analyze light scattering patterns, ensuring reliable and consistent particle size data.

The analyzer's capability for on-the-spot measurement accelerates decision-making processes, allowing for swift adjustments to formulations or production methods based on real-time data. This feature significantly shortens production timelines while maintaining the highest standards of quality control in pharmaceutical products. Furthermore, the device is equipped with a rechargeable battery, providing convenience and flexibility for continuous use in various settings without the need for constant power supply.

• **Title: IoT-Enabled Career Fair Networking Device**

Application No: 418728-001

Description: IoT-Enabled Career Fair Networking Device is a groundbreaking solution designed to enhance networking opportunities for management students and industry professionals at career fairs and industry events. This state-of-the-art device leverages IoT sensors and Bluetooth connectivity to facilitate seamless, proximity-based networking and information exchange among students, recruiters, and industry experts.

The IoT-Enabled Career Fair Networking Device comprises smart badges or portable devices that students can wear or carry effortlessly. These devices are equipped with advanced IoT sensors and Bluetooth technology, enabling automatic exchange of contact information, resumes, and LinkedIn profiles when students and professionals come into close proximity. This innovative approach eliminates the need for traditional business cards and manual information exchange, streamlining the networking process and ensuring that critical connections are made effortlessly.

As students and professionals navigate the event, the IoT sensors in their devices continuously scan for nearby devices within a defined range. When two devices come into proximity, they automatically initiate a secure data exchange, sharing pre-designated information such as contact details, professional backgrounds, and social media profiles. This proximity-based networking fosters spontaneous interactions, allowing attendees to focus on meaningful conversations rather than the logistics of exchanging information.

Beyond facilitating initial connections, the IoT-Enabled Career Fair Networking Device enhances the overall event experience. The collected data can be synchronized with a companion mobile app or event management platform, where attendees can review and manage their newly formed connections. The app also provides additional features, such as event schedules, speaker information, and personalized recommendations for sessions and networking opportunities based on the attendee's profile and interests.

For recruiters and industry professionals, this device offers an efficient way to gather and organize candidate

information. Recruiters can quickly access digital resumes and LinkedIn profiles, streamlining the follow-up process and improving the efficiency of candidate selection. The device also supports analytics, providing insights into networking patterns and attendee engagement, which can be valuable for event organizers and participants alike.

- **Title: IoT-Driven Employee Training and Development Device**
Application No: 437100-001

Description: An **IoT-Driven Employee Training and Development Device** transforms traditional learning into a dynamic, personalized experience. By incorporating cutting-edge IoT devices like wearables and virtual reality (VR) headsets, the Device delivers immersive training modules, lifelike simulations, and real-time coaching that make skill-building both engaging and impactful.

Learning managers gain unprecedented visibility into each employee's journey, with real-time insights into their progress, skill mastery, and engagement levels. Equipped with advanced analytics, the Device can intelligently adapt training content on the fly, addressing specific learning gaps, adjusting module complexity, and offering tailored feedback. This ensures that every learning path is uniquely aligned to an employee's needs and growth potential.

By harnessing the power of IoT, the Device provides a holistic view of employee learning behaviors and performance trends, paving the way for more targeted development strategies. The integration of real-time data enables organizations to craft training programs that are not only highly effective but also deeply aligned with individual and organizational goals. The result? A smarter, more adaptive approach to employee growth that drives both personal and professional success.

- **Title: IoT-Driven Employee Training and Development Device**
Application No: 443924-001

Description: The Joint Range-of-Motion Tracker Device is a compact and versatile device designed to accurately measure and record the range of motion (ROM) of joints, aiding physiotherapists in assessing and improving patients' flexibility and rehabilitation progress.

Equipped with precise sensors, this device captures joint movement in real-time and displays the data on an integrated screen for instant feedback. The tracker is easy to use, with a sleek design that ensures seamless application to various joints, including the knee, elbow, shoulder, and wrist.

Additionally, the device features IoT connectivity, allowing data to be synced with companion apps or software for detailed analysis, progress tracking, and personalized rehabilitation plans. Its built-in display makes it ideal for both clinic and home use, enabling patients to monitor their improvements under professional guidance.

This advanced tool empowers physiotherapists with accurate data, streamlining therapy sessions and helping patients achieve optimal joint mobility, faster recovery, and enhanced quality of life.

- **Title: Joint Range-of-Motion Tracker Device**
Application No: 444004-001

Description: The Joint Range-of-Motion Tracker Device is a compact and versatile device designed to accurately measure and record the range of motion (ROM) of joints, aiding physiotherapists in assessing and improving patients' flexibility and rehabilitation progress.

Equipped with precise sensors, this device captures joint movement in real-time and displays the data on an integrated screen for instant feedback. The tracker is easy to use, with a sleek design that ensures seamless application to various joints, including the knee, elbow, shoulder, and wrist.

Additionally, the device features IoT connectivity, allowing data to be synced with companion apps or

software for detailed analysis, progress tracking, and personalized rehabilitation plans. Its built-in display makes it ideal for both clinic and home use, enabling patients to monitor their improvements under professional guidance.

This advanced tool empowers physiotherapists with accurate data, streamlining therapy sessions and helping patients achieve optimal joint mobility, faster recovery, and enhanced quality of life.

- **Title: SmartConnect: IoT Networking Device for Seamless Professional Connections**
Application No: 444021-001

Description: **SmartConnect** is an advanced IoT-powered device designed to elevate networking experiences for students and industry professionals at career fairs, conferences, and other events. Combining IoT sensors, Bluetooth connectivity, and RFID technology, it ensures effortless and secure information sharing, fostering impactful connections.

Featuring a sleek and lightweight design, SmartConnect includes a compact display for real-time notifications, Type-C charging for quick power-ups, and a secure clip for easy attachment to clothing or accessories. Its RFID capability enables instant sharing of essential details like contact information, resumes, or LinkedIn profiles with a simple tap.

When participants are within range, SmartConnect automatically facilitates secure exchanges of pre-set data, replacing traditional business cards and streamlining interactions. Paired with an intuitive companion app, users can manage connections, explore event schedules, and receive personalized networking recommendations.

For recruiters, SmartConnect provides instant access to digital profiles, simplifying the candidate evaluation process. By combining cutting-edge technology with human interaction, SmartConnect is transforming networking into a seamless, efficient, and engaging experience

- **Title: Multi-Zone Pressure Mapping Insole**
Application No: 444004-001

Description: The **Multi-Zone Pressure Mapping Insole** is an innovative device designed to monitor and map pressure distribution across different zones of the foot in real-time. It incorporates sensors embedded within the insole, capable of capturing detailed pressure data for various applications.

Key Features:

1. **Multi-Zone Sensors:** Discrete pressure-sensitive zones to track variations across the foot, such as the heel, arch, and toes.
2. **Real-Time Monitoring:** Provides immediate feedback via connected devices (e.g., smartphones, smartwatches).
3. **Ergonomic Design:** Thin, lightweight, and adaptable to different shoe types for user comfort.
4. **IoT Integration:** Enables connectivity to apps or cloud platforms for data analysis and storage.
5. **Applications:** Useful for sports performance enhancement, medical diagnostics (e.g., gait analysis, diabetic foot ulcer prevention), and rehabilitation.

This technology facilitates proactive care by identifying pressure imbalances, aiding in early intervention for foot-related issues.

- **Title: Interactive Balance Board**
Application No: 434939-001

Description: The Balance Board is an advanced, sensor-equipped device for tracking and analyzing a patient's balance and weight distribution during exercises. It features a display screen that provides real-time feedback on balance performance and exercise progress, allowing users to stay informed during their sessions. The board comes with an easy-to-use power on/off button for convenience and a Bluetooth light indicator to signal active connectivity with paired devices, such as smartphones or tablets.

The board is equipped with a Type-C charging port, which powers its built-in lithium-ion battery, ensuring long-lasting performance and quick recharge times. The device's durable construction includes an enhanced grip surface, offering better traction and stability for users during exercises, reducing the risk of slips or falls.

The Balance Board seamlessly connects to a mobile app via Bluetooth, transmitting data on balance shifts, weight distribution, and posture to allow healthcare professionals or trainers to assess performance. With its compact design, portability, and smart features, this board is a highly effective tool for rehabilitation, fitness training, and physical therapy, enhancing user experience through its smart, user-friendly technology.

- **Title: Smart Reminder Chip: Essentials Tracking Device**
Application No: 443965-001

Description: We have developed the Smart Reminder Chip, an innovative solution to help you keep track of essential items like water bottles or spectacles. This compact, removable chip can be embedded into everyday products to ensure they are never left behind.

Using advanced proximity sensors, the chip detects when the item moves beyond a set range, approximately 3 meters. Upon detection, it emits an audible alert with a gentle reminder, "Don't forget me," and simultaneously sends a notification to your smartphone.

Lightweight and easy to attach, the Smart Reminder Chip seamlessly integrates with your daily routine, providing peace of mind for those on the go. Whether you're at work, traveling, or simply out and about, this device ensures your essentials are always within reach.

This practical innovation is designed to reduce inconvenience and keep your belongings safe, revolutionizing the way you manage your essentials in a busy, fast-paced world.

- **Title: ATM Keypad Security Device**
Application No: 442128-001

Description: We have developed an innovative **ATM Keypad Security Device** to ensure safer transactions by addressing vulnerabilities in PIN entry systems. The device features an **automatic plate mechanism** that extends from the roof of the keypad as soon as the user begins typing their PIN. This plate acts as a physical barrier, concealing the keypad from all angles except the user's direct line of sight.

The solution is designed to eliminate risks associated with **shoulder-surfing** and **unauthorized visual surveillance**, ensuring users can confidently perform transactions without fear of being observed or recorded. The automatic nature of the plate requires no additional interaction from the user, making it both intuitive and seamless in its operation.

Crafted from durable materials, the device is resistant to external tampering, adding an additional layer of security to ATM infrastructure. Its sleek design ensures minimal impact on the aesthetics or functionality of the ATM.

By integrating this device, banks and financial institutions can enhance user trust, mitigate security concerns, and provide a safer banking experience. Our invention represents a significant advancement in ATM security, addressing a critical need for protecting personal financial information in an increasingly digitized world.

- **Title: IoT Security Orchestration Hub Device**
Application No: 444764-001

Description: The IoT Security Orchestration Hub Device is a cutting-edge centralized hardware solution designed to

monitor and manage the security of all IoT devices within a network. Equipped with advanced AI-driven algorithms, this device detects anomalies, vulnerabilities, and potential threats in real-time. Upon identifying risks, it orchestrates automated responses, such as isolating compromised devices, updating security protocols, or alerting administrators for further action.

The hub device acts as a unified command center, offering enhanced visibility and control over the entire IoT ecosystem. It integrates seamlessly with existing infrastructures, ensuring minimal disruption during deployment. Its robust architecture supports scalable and customizable security solutions, making it ideal for enterprises, smart homes, and institutional networks.

With features like real-time monitoring, automated threat mitigation, and proactive updates, the IoT Security Orchestration Hub Device ensures a secure and resilient IoT environment, empowering users to protect their connected assets effectively.

- **Title: Solar-Powered IoT Biomedical Waste Monitoring System**
Application No: 443714-001

Description: The Solar-Powered IoT Biomedical Waste Monitoring System is an advanced solution for effective biomedical waste management in hospitals and clinics. This innovative system integrates solar power and IoT technology to monitor and manage waste efficiently. IoT sensors analyze waste composition, weight, and storage conditions, ensuring proper segregation and disposal according to safety standards.

A compact, modular solar panel powers the system 24/7, making it sustainable and energy-efficient. The system includes six waste bins arranged in a row, each equipped with smart sensors that relay data to a centralized dashboard. The dashboard provides real-time alerts when bins are full or when hazardous materials are detected, ensuring timely action and compliance with safety regulations.

This technology improves operational efficiency, reduces environmental risks, and enhances compliance with biomedical waste disposal standards. By combining solar energy and IoT, the system promotes sustainability while maintaining high standards of safety and hygiene in healthcare environments.

- **Title: IoT-Integrated Solar Air Purifier**
Application No: 441787-001

Description: The IoT-Integrated Solar Air Purifier is a compact and eco-friendly solution for improving air quality in urban areas. Powered by an integrated solar panel, it operates sustainably while effectively tackling pollutants like PM2.5 and PM10. Equipped with advanced IoT sensors, the purifier continuously monitors air quality and adjusts its purification intensity in real-time to ensure optimal performance.

The device connects seamlessly to a smartphone app, offering users real-time updates on air quality and insights into energy consumption. This feature empowers users to stay informed about their environment while maintaining control over the purifier's operations.

A standout feature of the purifier is its innovative rotating solar panel, designed for maximum sunlight capture. This ensures consistent energy efficiency, even in low-light urban settings, making it highly reliable. Compact and user-friendly, the air purifier is ideal for modern urban lifestyles, prioritizing health, convenience, and sustainability.

By integrating smart technology with renewable energy, the IoT-Integrated Solar Air Purifier represents a step forward in combating air pollution while promoting environmentally responsible living. It's an essential tool for individuals seeking a cleaner, healthier urban environment.

- **Title: Solar-Powered Electric Bicycle Charging Station**
Application No: 442971-001

Description: Solar-Powered Electric Bicycle Charging Station is an innovative charging solution designed for sustainable urban mobility. This system incorporates solar panels into dedicated charging stations to harness renewable energy, providing an emissions-free power source for electric bicycles. By utilizing sunlight to generate electricity, these stations operate independently of traditional power grids, creating a self-sustaining and eco-friendly infrastructure.

The design ensures uninterrupted charging for electric bicycles while promoting green energy usage and reducing urban carbon footprints. Solar-Powered Electric Bicycle Charging Station is cost-effective, scalable, and adaptable, making it ideal for cities transitioning to cleaner transportation.

With advancements in solar panel efficiency and battery technology, Solar-Powered Electric Bicycle Charging Station supports the growing adoption of electric bicycles, offering a reliable solution for urban commuters and enhancing the sustainability of transportation networks. This initiative aligns with global goals to reduce pollution and foster smart, green cities for a healthier and cleaner future.

- **Title: Innovative Locker System**
Application No: 439151-001

Description: The **Innovative Locker System** is a state-of-the-art solution designed to provide students with a secure and efficient way to store their personal belongings on campus. Powered by advanced IoT technology, this system allows students to access lockers effortlessly through a mobile app or their student ID card, ensuring both security and convenience.

One of its key features is the ability to pre-book lockers, enabling students to reserve storage spaces in advance. Additionally, real-time notifications keep users informed about any access to their lockers, offering peace of mind and an added layer of security. For campus administrators, the system includes usage analytics that provide valuable data on locker occupancy and trends, allowing for optimized management and resource allocation.

Tailored to the needs of today's students, this innovative solution enhances campus life by delivering a dependable and modern storage experience. Its seamless integration of technology ensures a secure, user-friendly, and organized approach to safeguarding personal items, reinforcing trust and safety across campus environments.

In essence, the **Innovative Locker System for Safeguarding Student Storage with Enhanced Security** is more than just a storage solution—it is a transformative tool for educational institutions, promoting a safe and efficient campus ecosystem for students and staff alike.

- **Title: Intelligent Meeting Coordinator**
Application No: 432658-001

Description: The Intelligent Meeting Coordinator is an innovative solution designed to transform how management teams schedule and optimize their collaborative efforts. Utilizing cutting-edge natural language processing and machine learning technologies, this smart tool simplifies the often-complicated process of organizing meetings, ensuring streamlined coordination with minimal effort.

The Intelligent Meeting Coordinator's intuitive interface works by analyzing team members' schedules, taking into account availability, preferences, and location constraints. It then generates optimized meeting proposals that maximize time efficiency while aligning with each individual's needs. The goal is to ensure meetings are scheduled at the most opportune times, allowing teams to focus more on the meeting content than the logistics.

Serving as a central hub for team communication, the platform allows users to easily review proposed meeting details, offer feedback, and confirm their availability. This transparent communication fosters smooth collaboration, keeping everyone on the same page with respect to meeting logistics and agendas.

Beyond basic scheduling, the Intelligent Meeting Coordinator offers additional features designed to further enhance collaboration efficiency. It enables teams to prioritize meetings based on urgency and importance and can automatically reschedule in the event of conflicts or cancellations. These advanced capabilities automate the more tedious aspects of meeting management, allowing teams to concentrate on more critical tasks, such as strategic decision-making and achieving organizational goals.

- **Title: Multi-level pipette stand**
Application No: 438790-001

Description: The multi-level pipette stand is an innovative and practical solution for efficiently organizing and handling laboratory pipettes of varying capacities. This unique design is specifically structured to accommodate pipettes of 10 ml, 5 ml, and 1-2 ml simultaneously, ensuring convenience and versatility for laboratory professionals.

The stand features a multi-tier arrangement, with each level ergonomically designed to securely hold pipettes of different sizes without the risk of damage or misalignment. The tiers are constructed with precise slots that snugly fit the pipette shafts, preventing slippage or movement during storage or transport.

Adding to its practicality, the stand is equipped with a robust and ergonomically designed handle, allowing users to easily lift and transport the stand with all pipettes securely in place. This portable feature makes it particularly beneficial for laboratories where pipettes are frequently moved between workstations or storage areas.

The stand is designed with durable, lightweight materials that ensure stability while maintaining ease of use. Its compact yet functional design optimizes bench space, a crucial requirement in busy laboratory environments. Furthermore, the aesthetic appeal of the stand, with a streamlined and modern appearance, complements the professional laboratory setting.

The multi-level pipette stand is not only a utility-driven solution but also a thoughtfully designed accessory that enhances the organization and workflow in laboratories. The distinct design, incorporating multi-tier holding capacity and a portable handle, qualifies as a novel and inventive design worthy of a design patent.

- **Title: A Novel Smart Parking System Using IoT**
Conference: IEEE-Comit-con

Description: - Modern society is witnessing rapid population growth each day, and people are purchasing vehicles for their convenience so that they can travel between places. Since vehicle density is increasing rapidly, particularly during peak hours, finding a parking space to leave a vehicle can be difficult for users. IoT (Internet of Things) innovation and Mobile applications will be used to create a smart parking system based on this framework. There is a mobile application being developed in order for users to be able to check the accessibility of parking spots from their mobile devices. By introducing a smart parking system in metropolitan cities, one can reduce the amount of fuel utilized and environmentally harmful pollution which are potential difficulties. In this paper, our objective is to provide such a system for smart parking, which consists of an RFID (Radio Frequency Identification) Tag, RFID (Radio Frequency Identification) Scanner, and Mobile Application. Hence we propose framework of a Novel Smart Parking System (NOSP) which will provide an optimal solution for parking in the metropolitan city.

AWARDS

1. **Innovative & Young Scientist Award of 2022 from DRDO awarded by Defence Minister Shri. RajnathSingh**
2. **Dare to Dream 2.0 Winner Powered by DRDO, India**
3. **Awarded By the Naval Chief of India**
4. **Awarded By IIT Director**
5. **Awarded By the Defence Secretary of India**
6. **Vice President Medal Holder- University Level**

FDP, SEMINARS & SESSIONS DELIVERED

1. Bharti Vidyapeeth's Institute of Computer Applications and Management (BVICAM)
2. DAV Centenary College, Faridabad
3. Kurukshetra University
4. Sarvodaya Kanya Vidyalaya
5. NIPAM-PAN India

6. Vastav Intellect IP Solution LLP- Pan India
7. Advanced Institute of Technology and Management
8. TERI SCHOOL OF ADVANCED STUDIES- NEW DELHI
9. JANKI DEVI VOCATIONAL CENTRE
10. Pune University
11. Vastav Intellect Ip Solutions LLP-Pan India
12. Kendriya Vidyalaya Under the Scheme of SIC
13. Banarsidas Chandiwalla Institute of Information Technology
14. Vastav Intellect IP Solutions LLP
15. Kr Mangalam University
16. Dayanand College-Hissar
17. Asia Pacific Institute of Management
18. Bharti Vidyapeeth's Institute of Computer Applications
19. Trinity institute of innovations in professional studies
20. Manav Rachna Institute of Research and Studies
21. Manav Rachna University
22. Kalka Institute for Research and Advanced Studies (IP University)
23. Shri Vishwakarma Skill University
24. KIIT College of Engineering
25. IMT Faridabad group

PROJECTS

- **Email Automation RPA BOT**

||UI Path||

Description: This system is based on IMAP mail. IMAP is Internet Message Access Protocol only helps to receive messages and also provides additional features such as “Read” and “Move” emails between folders. In the proposed system I can read emails using IMAP for the execution I set up a server and port and also input Username and Password. I used a Gmail account which has a server of "imap.google.com" with Port 993.

- **Employ foundation website**

||HTML5, CSS, and Bootstrap||

Description: Developed a website for a Non-Government Organization using HTML5, CSS and Bootstrap. Contains multiple pages based on requirements such as About, Contact, Gallery, and Blog.

- **Bestroome**

||Opencart Platform||

Description: Developed a website using “CMS” OpenCart. Bestroome is a website, where you can get project location rooms and trusted and verified roommates.

This project is divided into two different parts:

Roommates: They provide roommates to needy ones according to their compatibility or according to their demands.

Rooms: They are providing rooms to the needy ones. These days’ people can’t get rooms according to their needs or demands. So, through Bestroome they can easily find room.

- **Parking Solutions:**

||IOT, Java, Android Studio, Arduino||

Description: Developed a Smart car parking system, which will provide an optimal solution for parking in metropolitan cities.

The objective is to provide such a system for smart parking, which consists of an RFID (Radio Frequency Identification) Tag, RFID (Radio Frequency Identification) Scanner, and Mobile Application.

CERTIFICATES

- **NPTEL:** Introduction to industry 4.0 and industrial internet of things. Issued Apr 2021.
- **Diploma of Completion:** Robotic Process Automation.
- **CCNAv7:** Introduction to Networks.
- **Cisco Networking Academy:** Introduction to Cybersecurity.
- **PCAP:** Programming Essentials in Python.
- **Entrepreneurship Awareness Workshop** (Under DST -NIMAT Scheme).

EXPERIENCE

- **Director & Founder Vastav Intellect IP Solutions, A Legal-Tech Firm**

Vastav Intellect IP Solutions LLP (VIIPS), under the leadership of Director Mr. Venkatesh Bharti, is a leading legal and consulting firm specializing in Intellectual Property (IP) management, innovation support, and technology transfer. VIIPS is dedicated to helping businesses, industries, and institutions navigate the complex world of IP creation, protection, and commercialization.

We offer a comprehensive range of services that empower organizations across various sectors, with a particular focus on supporting women entrepreneurship and fostering a robust innovation ecosystem.

Our services include:

1. **IP Creation & Strategy:** Assisting businesses in developing and protecting intellectual property, including patents, trademarks, and copyrights, to build a competitive edge.
2. **Technology Transfer & Commercialization:** Facilitating the transfer of cutting-edge technologies from research institutions to the market, ensuring seamless commercialization and scaling of innovations.
3. **IP Advisory & Protection:** Providing expert guidance on patent filing, brand protection, IP portfolio management, and IP strategy development for businesses and organizations.
4. **Prototype Development:** Supporting organizations in developing Minimum Viable Products (MVPs) to bring innovations from concept to market.
5. **IPR Awareness & Training:** Organizing workshops, seminars, and training sessions to educate organizations on the significance of intellectual property and how to leverage it for growth.

VIIPS is committed to empowering businesses, organizations, and innovators by offering expert advice, resources, and networks needed to protect and commercialize intellectual property. Our goal is to help clients thrive in the global economy, ensuring sustainable growth and success through strategic IP management.

- **IP Consultant**

During this career break, I am working as an IP Consultant at Vastav Intellect IP Solutions LLP (VIIPS). My role involves providing specialized consultancy in Intellectual Property, helping organizations navigate IP-related challenges and opportunities. I support startups, innovators, and businesses with strategic advice on patent filings, IP portfolio management, and commercialization.

Key Responsibilities:

1. Offering expert advice on IP strategy and protection
2. Assisting in patent drafting and filing processes

3. Providing IP management and commercialization strategies

4. Helping clients optimize their IP portfolios

This break has enabled me to focus on leveraging my expertise to help businesses secure and capitalize on their intellectual assets effectively.

- **Technology Transfer Specialist**

I am serving as a Technology Transfer Specialist at Vastav Intellect IP Solutions LLP (VIIPS). In this role, I specialize in facilitating the transfer of innovative technologies from research to commercialization, helping startups and organizations unlock the potential of their intellectual property. My focus is on establishing partnerships, negotiating deals, and ensuring the successful transfer and commercialization of technologies.

Key Responsibilities:

1. Identifying and evaluating innovative technologies for transfer
2. Building partnerships between academia, research institutions, and industry
3. Negotiating licensing and commercialization agreements
4. Providing strategic advice on IP management and commercialization

- **Young Scientist-DRDO Defence Research & Development Organisation: 2022**

Awarded at DefExpo 2022 by Shri Rajnath Singh (Hon'ble Defence Minister of India) and Dr. Samir V. Kamat (Secretary, DDR&D and Chairman, DRDO)

Awarded for exceptional innovation and contribution to defense research with a focus on soldier safety systems.

Recognized for developing a conceptual system titled "Soldier as a System", which included innovations like a smart helmet projection interface to enhance battlefield awareness and real-time communication for soldiers.

The innovation aimed at improving operational efficiency and situational awareness on the ground by integrating safety-enhancing technologies within wearable gear.

- **Director & Founder Vastav IncubateX & Entrepreneurship Foundation**

Vastav IncubateX & Entrepreneurship Foundation (VIEF), led by Chairman Mr. Venkatesh Bharti, is a Section 8 non-profit organization focused on nurturing innovation, empowering entrepreneurs, and creating a sustainable startup ecosystem. With a special emphasis on women's entrepreneurship, VIEF is committed to building a thriving and inclusive ecosystem where women-led startups receive the support and resources they need to succeed.

Through various initiatives, we offer:

1. Startup Incubation: Providing guidance, mentorship, and access to essential resources for early-stage startups.
2. Business Development: Helping startups strategize for market entry, scaling operations, and generating revenue.
3. Prototype Development: Assisting in the creation of Minimum Viable Products (MVPs) to transform ideas into tangible innovations.

4. **Funding & Investor Connect:** Offering support to secure funding through grants, angel investors, and venture capital to fuel startup growth.
5. **IP Support for Startups:** Providing expert advisory on Intellectual Property Rights (IPR), including patent filing, brand protection, and IP creation.
6. **CSR-Based Entrepreneurial Programs:** Assisting industries in fulfilling their CSR obligations by promoting entrepreneurial initiatives and supporting social innovation.
7. **Training & Networking:** Organizing workshops, hackathons, and ideathons to engage and upskill entrepreneurs, creating a collaborative environment for innovation.
8. **Mera Startup Meri Pehchan" Initiative:** Offering structured programs that empower startups, help them gain recognition, and elevate their presence in the market.

VIEF is dedicated to advancing innovation, fostering an entrepreneurial spirit, and bridging the gap between ideas, technology, and market success, focusing on creating lasting impact in both local and global startup ecosystems.

- **Seed Investor**

I am serving as a Pre-Seed Investor at Vastav IncubateX & Entrepreneurship Foundation (VIEF). In this role, I focus on identifying and supporting early-stage startups, providing them with the capital, mentorship, and resources needed to scale. My work includes evaluating investment opportunities, guiding entrepreneurs through the initial stages of their ventures, and helping them build solid foundations for growth.

Key Responsibilities:

1. Identifying high-potential startups for early-stage investment
2. Providing pre-seed funding and strategic advice
3. Mentoring entrepreneurs on business development, scaling, and market entry
4. Helping startups secure further rounds of funding and build investor relations

- **Startup Mentor and Consultant**

I am working as a Startup Mentor and Consultant at Vastav IncubateX & Entrepreneurship Foundation (VIEF). In this capacity, I provide guidance and support to early-stage startups, helping them navigate the challenges of business growth, scaling, and innovation. My role involves offering strategic advice, mentoring founders, and assisting startups in building sustainable business models.

Key Responsibilities:

1. Mentoring startup founders and teams on business strategy and growth
2. Providing advice on product development, market entry, and customer acquisition
3. Helping startups with business model optimization and fundraising strategies
4. Offering guidance on IP management, commercialization, and scaling operations.

- **Institute of Rural Development Programme (IRDP)**

Technical Advisor & Associate Director

As the Technical Advisor & Associate Director at IRDP, I am playing a pivotal role in steering the organisation's vision towards impactful and sustainable rural development. I am actively involved in leading high-level strategic decisions, formulating technical roadmaps, and driving key initiatives aimed at uplifting underserved communities across India.

Key Responsibilities:

1. Advising on and implementing innovative technology-driven solutions for rural development.
2. Leading strategic planning and execution of core programs across education, agriculture, health, and infrastructure.
3. Overseeing cross-functional teams and ensuring smooth coordination across departments.
4. Collaborating with stakeholders, government agencies, and industry partners to amplify the impact of IRDP's mission.
5. Driving data-centric decision-making, digital transformation, and process optimization within the organization.
6. Mentoring internal teams and young professionals to foster leadership and innovation in the social development space.

Through this role, I aim to contribute meaningfully to India's grassroots transformation by combining strategic insight, technology, and inclusive development principles.

- **Advisory Board Member**

Techina Institute of Advanced Studies (CDL)

I am honored to serve on the Advisory Board of Techina Institute of Advanced Studies (CDL). In this capacity, I offer guidance based on my experience in innovation, technology, and intellectual property to support the institute's academic and strategic development.

My role focuses on mentoring, sharing industry insights, and contributing to initiatives that bridge the gap between research and real-world applications.

- **Assesme AI**

I'm the founder of Assesme, a global AI-powered technology assessment platform transforming how innovations are validated, analysed, and commercialised.

Built with the mission to make professional-grade IP and technology due diligence accessible to every innovator—whether a student, researcher, startup founder, or academic institution—Assesme is redefining the standard for tech-readiness evaluation.

What We Do at Assesme

We offer instant, investor-ready reports aligned with international standards (WIPO, EPO, NIH) across 20+ domains, including engineering, healthcare, AI, and life sciences. Our AI engine generates comprehensive outputs including TRL assessment, SWOT analysis, Freedom-to-Operate (FTO), ROI models, commercialisation pathways, IP claim analysis, and more.

Who We Help

Startups, Universities, Incubators, Investors, TTOs, Researchers, and Government R&D bodies

My Role

As the product architect and visionary behind Assesme, I lead the platform design, AI framework development, commercialisation strategy, and market rollout. I bring 8+ years of experience in innovation strategy, technology transfer, IP drafting, and ecosystem building—awarded by DRDO and supported by a vast academic and industry network.

Our Vision

To democratize access to global-standard IP assessment and help 10,000+ innovators fast-track their technologies toward funding, licensing, or market entry.

Assesme is not just a tool—it's a movement to make deep-tech commercialisation faster, fairer, and smarter.

- **VScholar**

My goal is simple: to empower individuals with the tools, knowledge, and skills they need to succeed in an ever-evolving world. As industries transform at a rapid pace, staying ahead of the curve is no longer just an option, but a necessity.

With VScholar, launched under the umbrella of Vastav IncubateX & Entrepreneurship Foundation (VIEF), I want to provide a platform where anyone can access cutting-edge insights and skills through industry-focused workshops and webinars. These sessions will help you understand the latest trends, upgrade your skills, and prepare for the opportunities of tomorrow.

I believe that learning is a lifelong journey, and with VScholar, we are bridging the gap between academia and industry. By offering practical, real-world knowledge, we can shape the innovators, professionals, and leaders of the future.

- **Director & Founder: NEUROVENTA TECHNOLOGIES PRIVATE LIMITED**

As the Founder and Director of a multi-domain technology company, I lead strategic initiatives focused on innovation, research, and product development in advanced technologies. Our company is dedicated to delivering end-to-end solutions across Artificial Intelligence (AI), Machine Learning (ML), Internet of Things (IoT), Robotics, Embedded Systems, and Software Development, excluding web design.

Key contributions and focus areas include:

1. Software solutions and maintenance services tailored to industry-specific needs, from programming to system customisation.
2. Design and deployment of AI/ML systems, including intelligent automation, data analytics, and cognitive tools.
3. R&D and commercialisation of robotics, with applications in manufacturing, healthcare, education, agriculture, and domestic use.
4. Development and integration of smart electronic products, embedded systems, and power-efficient technologies.
5. Creation and implementation of IoT-based ecosystems for smart homes, cities, healthcare, and industrial automation.
6. Training and mentorship programs focused on future skills—AI, coding, robotics, and electronics—to nurture talent and foster entrepreneurship.
7. Incubation and acceleration programs supporting startups with infrastructure, funding access, mentorship, and technical guidance.
8. Promotion of intellectual property creation and technology commercialization through workshops, hackathons, and R&D consultancy.
9. Providing custom IT consultancy and integration services to industries and academia, ensuring scalable and impactful digital transformation.
10. Building collaborative partnerships with government, academia, industry, and international agencies to drive innovation and economic growth.

- **Individual Subscriber & Mentor : LOGKRIVE PRIVATE LIMITED.**

1. Actively mentoring and supporting the strategic and creative growth of KriVe, a fashion-tech company revolutionising personalised fashion delivery.
2. KriVe's mission is to make fashion accessible, affordable, and customer-centric, offering a seamless, luxury experience by enabling custom outfit creation—without the hassles of tailors or fabric shopping.

Key Contributions:

1. Advising on product personalization strategies, customer journey optimization, and scalability.
2. Supporting innovation and value-driven delivery in the fashion and lifestyle domain.
3. Encouraging adoption of tech-enabled, made-to-order solutions to redefine fashion convenience and affordability.
4. Providing insights on market positioning, digital branding, and customer engagement.
5. At KriVe, I contribute to empowering a “fashion all about you” philosophy that blends comfort, creativity, and cost-effectiveness with technology.

- **Ex- Director & Co-Founder, Chief operating officer, Acadbuddy LLP, An Ed-Tech Platform.**

Acadbuddy is the leading ed-tech platform across the globe and an absolutely treasured upskilling network. Launched back in 2022, it provides you with a variety of workshops and courses to help you shape your personality and transform into the person you aspire to be. Today, it has helped over 10000+ students by upskilling them and providing them with the right guidance to make them job ready. We fulfil dreams by making the path engrossing and achievable.

Moto: LEARN BY PLAYING, PLAY BY LEARNING

Vision:

Acadbuddy believes that every individual shall be blessed with the right mentor at the right time. Therefore by 2025, we believe to set up a community of like-minded individuals to make networking easier and help students explore their inner potential.

Aim:

We at Acadbuddy aim at making knowledge affordable and accessible to all, therefore we aspire to be a student's best friend when it comes to academics and doubts. We aim at providing the students with a bunch of effective tips and tricks to cope with real-life situations helping them relate to their peers.

- **Ex- Chief Executive Officer, Vexocore IT service Pvt. Ltd**

Vexocore, a leading IT service company that specializes in providing top-notch services in cyber security, digital marketing, website, and app development. Here, The team of experienced professionals is dedicated to delivering exceptional results and helping our clients achieve their business goals.

With our cyber security services, we ensure that your data and systems are protected from the latest threats and vulnerabilities, giving you peace of mind and the freedom to focus on your core business.

We also offer comprehensive digital marketing services to help you boost your online presence and reach your target audience effectively.

From SEO and PPC to social media marketing and email marketing, we have the expertise to create and execute campaigns that deliver measurable results.

Website and app development services are tailored to meet the unique needs of our clients.

We use the latest technologies and best practices to create custom solutions that are intuitive, user-

friendly, and scalable.

Other Experiences

- Start-up Consulting
- Business Consulting
- Road-mapping
- Strategies making
- Web- Development
- Arduino Developer
- Graphic Designing
- Content Writing
- Experienced Business analyst, handling client queries from the starting phase to the end.
- Experienced in providing quality-driven work under a limited time slot.
- Engagement with the partner SEs and Sales team to address customer needs and requirements.
- Design complete end-to-end infrastructure solutions to meet client requirements on storage and backup solutions.
- Pre-sales support leads to channel Partners for storage and backup solutions.
- Document the solution proposal at the required level of detail.
- Requirement gathering