

	Category: Startups, Patent, Competition/Excellent Projects										
S. No.	Name of Project	Guide	Year of Project Completi on	Type of Project	Roll no.	Name	Department	Research Area	Skill Developed	Uniqueness	Outcome
1	Fiddle	Mr. Amitabh Sharma	2022- 2023	Startup	2102197 2102214 2102198 2102213	Md. Aman Ansari Piyush Ranjan Md. Jasim Ansari Pawan Kumar	п	Application Specific	MongoDb, ReactJS	Removes gap between professionals and skilled artist Guidance Free Learning sessions	Startup as Fiddel Pitch Deck
2	Make 360	Dr. Sushil Kamboj	2022- 2023	Startup	2102118	Anish Kumar	ІТ	Application Specific	Web Applications, Graphics, IT Solutions and Software requirements	Cost effective Automated tools Trust point Strong Marketing Channels Transprancy and Speed	Startup as Make360
3	KieKie Pvt. LTD	Dr. Sushil Kamboj	2020- 2021	Startup	2003368 2003361	Shubh Sarpal Ravinder Bishnoi	п	Research & Innovation	Innovation and Patent Filing	Vehicle Horn Control Assembly	1. Startup as Kie Kie Pvt. Ltd. 2. Two patents Flied, (glvehlich Horn Control Assembly (Showcased on Science Day and Parivartan 2022) (b) Automatic Stand System 3.Received grants of Rs. 1 crore by Atal Innovation Mission, 4. Start-up Punjab Seed fund (INR 3.Lakhs), 5. In Quest of SDGs: Rs. 50,000- 1. In Quest of SDGs: Rs. 50,000- 1. To the Start of SDGs: Rs. 50,000- 1. To the SDGs: Rs. 50,0
4	Automatic Pill Dispenser using Face Gestures	Shanky Goyal, Muskan	2022- 2023	Patent	2003353, 2102501	Naman sharma, Manish Aggarwal	п	Application Specific	Java Application Development	Removing direct contact with customer. Easier and faster On the go service Service depends on Face gestures	One Patent Published
5	Automated Medicine Delivery System	Pardeep Singh Tiwana, Astha Gupta, Neeraj Sharma, Sharanjit Kaur, Aastha	26/06/21	Patent	1903296	Shubham	IΤ	Application Specific	Medicine Dispensing Module	The present invention relates to an automated medicine delivery system comprising, multiple medicine dispensing modules 1 for storing medicines and medical consumables 2. a health monitoring unit 3 attached to each of modules to detect health condition of user(s) present in proximity to medicine dispensing modules and based upon derived conditions module.	Patent Filed on 6/26/2021 Application No. 202111013589
6	VEHICLE THEFT PREVENTION SYSTEM	Amitabh Sharma	19/01/22	Patent	1902602, 1902634	Antriksh Mahajan, Japleen Kaur Khorana	IΤ	Application Specific	Biometrics, sensors	stores biometric information of the owner along with other authenticated users, sold the state of the state o	Patent Filed on 1/19/2022 Application no. 202211003150
7	ANTI-THEFT TRACKING DEVICE	Pardeep Singh Tiwana, Astha Gupta, Neeraj Sharma, Sushil Kamboj, Amitabh Sharma,	19/01/22	Patent	1902602, 1902665, 1902634	Antriksh Mahajan, Nikhil Bhatia, Japleen Kaur Khorana	п	Application Specific	Biometrics, sensors	- anti theft prevention system having a computing unit handled by the owner - to identify the user as permanent, temporary or non-registered user, processing module notifies the user by receiving and sending notifications	Patent Filed on 1/19/2022 Application no.202211003139
8	Engine Operated Vehicle Speed Controller	Dr. Shanky, Sachin Majithia	2020- 2021	Patent	2003353, 2002900, 2002894, 2102501, 2002801	Naman Sharma Shruti Anand Sankalp Sharma Manish Agarwal Aanand Berwal	п	Application Specific	GPS and ECU	An automated speed control system comprises of a GPS (global positioning system) module integrated with an incrocontroller for determining real-time location of a vehicle and road condition over which vehicle 5 is travelling through an ECU (electronic control unit) of vehicle, a memory storage unit for continuously recording 4-a per input from one of GPS module, imaging unit and memory storage unit to regulate the speed of vehicle in accordance with condition of road to prevent potential road accidents.	Patent Filed on 14/12/2021 Application No. 202211010679
9	QR Based Secure Contactless Banking at ATM's	Anupam Bonkra Shanky Goyal	2020- 2021	Patent	2003353, 2002900, 2002894, 2003326, 2002850	Naman Sharma Shruti Anand Sankalp Sharma Arpit Mehndiratta Hritik Bhatt	п	Application Specific	Image detection	The present invention relates to a contactless ATM access system. When the user scans the QR code and allowingthe user to complete contactless transaction with help of numeric keypad and transactional related options available on the computing unit	Patent Filed on 13/12/2021 Application No. 202211010677
10	Waste Wind Energy	MANDEEP DEVGAN	2021- 2022	Patent	2002894, 2102501,	NAMAN SHARMA SHRUTI ANAND SANKALP SHARMA MANISH AGARWAL SANJIT SHARMA ANURAG MEHTA	п	Application Specific	Design and development	Design developed for using wind wind energy	Patent filed on 17/1/2022 Application No. 202211010678
11	Fire Extinguisher Drone Using Heat Sensor	Dr. Shanky Goyal	2021- 2022	Patent	2002894, 2102501,	NAMAN SHARMA SHRUTI ANAND SANKALP SHARMA MANISH AGARWAL MANSI SHELLY PREETI YADAV TARANJEET KOUR	п	Application Specific	Drone technology	An unmanned aerial vehicle (UAV) based fire extinguishing system, comprising GSM module and eliminates the need of hovering just above the fire breakout location and thus prevents the vehicle from catching up fire	Patent filed on 14/1/2022 Application No. 202211010680
12	RAILWAY CROSSING BARRIER SYSTEM AND A METHOD THEREOF	NA	2018- 2019	Patent	1602999	Manish Dubey	п	Application Specific	microcontroller, sensor technology	The system detects the arrival and the departure of train for the barrier operation using vibration sensor, laser sensor and microcontroller. The microcontroller activates the buzzer which sends signal to hydraulic poles for 15 opening and closing the barrier.	Patent Filed on 17.08.2018 APPLICATION NO. 201811041296
13	PORTABLE FERTILIZER DISPENSING TOOL	Dr. Mohit Srivastava, Dr. Shashi Bhushan	2018- 2019	Patent	1703211, 1503402	Abhishek, Himanshu, Abhinandan, Archit, Minal Parmar, Manisha Rana, Rakshita	п	Application Specific	Design and development	The present invention relates to a fertilizer dispensing tool for spreading dry fertilizers on a crop field. The tool designed for distributing the fertilizer, and a solar panel and a battery attached to the container for providing power to the tool.	Patent Granted No. :43185,APPLICATION NO. 201811011163



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14	AUDIO VIRTUALIZING DEVICE	Pardeep Singh Tiwana	2019- 2020	Patent	1902589	Abhijeet Kumar	п	Application Specific	Design and development	Design on audio virtualizing device	Patent Filed Date: 2019/12/22 Application No. 202011005783
15	TRANSMISSION METHOD FOR HUB- BASED NETWORKING SYSTEM	Dr. Amanpreet Kaur, Dr.Parminder Singh, Ms.Harpreet Kaur Toor, Mr.Mandeep Devgan	2019- 2020	Patent	1703340	Pramank Bali	IΤ	Application Specific	Networks	Designed method for DATA TRANSMISSION METHOD FOR HUB- BASED NETWORKING SYSTEM	Patent Filed Date: 8/1/2020 Application No. 202011033096
16	DEVICE FOR DIAGNOSING HEALTH PARAMETERS	Dr. Shashi Bhusan, Pardeep Singh,Astha Gupta, Sharanjit Kaur	2019- 2020	Patent	1902634	Japleen Kaur	ІТ	Application Specific	diagnostic system	The device will monitor the various health parameters	Patent Filed Date: 3/12/2020 Application No. 202011010726
17	VEHICLE OVERTAKING SYSTEM	Surinder Singh	2019- 2020	Patent	1802569	Gaurav Kumar	п	Application Specific	Design and development	System is designed for safe vehicle overtaking.	Patent Filed Date: 3/12/2020 Application No. 202011010726
18	Automobile Headlight Regulation Device	Dr. Sushil Kamboj, Dr. Shanky Goyal,Shalini Sharma	2022- 2023	Patent	2003353, 2002900, 2102501	Naman Sharma,Shruti Anand,Manish Agarwal	п	Application Specific	Design and development	Designed device for automobile headlight.	Patent Filed on: 30/12/2022 Application No. 202211077322
19	READING AND WRITING DEVICE FOR SENSORY IMPAIRED PERSON	Dr. Shanky Goyal	2022- 2023	Patent	2003353, 2002900, 2102501	Naman Sharma, Shruti Anand, Manish Agarwal, Anurag Mehta,	п	Application Specific	Design and development	Device will be helpful for the sensory impaired persons who cannot read and write.	Patent Filed on 09-08-2022 Application No. 202211045353
20	SECURED PASSENGER CONVEYING SYSTEM	Dr. Amanpreet Kaur	2022- 2023	Patent	2003353, 2002900, 2002894, 2003326	Naman Sharma, Shruti Anand, Sankalp Sharma, Arpit Mehndiratta, Amrik Singh, Neetika Gupta	IT	Application Specific	Design and development	Design the secured passenger conveying system	Patent Filed on 09-08-2022 Application No.202211045352
21	Generation of electricity by means of mechanical energy	Dr. Shanky Goyal, Mrs. Harpreet Kaur Toor	2022- 2023	Patent	2002842, 2002921, 2003361, 2003368	Gaurav Ruhil Yash Trivedi Ravinder Bishnoi	ІТ	Application Specific	Design and development	The idea for electricity generation is give by means of mechanical energy.	Patent Filed on: 4/18/2023, PIE1310
22	lot-Based Medical Emergency Assistive System For Four- Wheelers	Dr. Shanky Goyal	2022- 2023	Patent	2002900, 2002916	Shruti Anand, Aditi Dutta, Tarun Goyal, Vansh Chuchra	IΤ	Application Specific	Design and development	The emergency assistive system is designed for four wheelers based on IoT-based.	Patent filed on: 6/5/2023 Application No.: 202311038653
23	Modular Examination Management System	Pardeep Singh Tiwana, Anupam Bonkra Virk and Dr. Shanky Goyal	2022- 2023	Patent	2003353, 2002900, 2002819	Naman Sharma, Shruti Anand, Ankita	ІТ	Application Specific	Design and development	Design is given for managing the examination system	Patent filed on: 6/5/2023 Application No.: 202311038620
24	UN-COPY	Dr. Shanky Goyal	2021- 2022 (Copyrig ht)	Copyright	2003353,	Shruti Anand, Naman Sharma, Sankalp Sharma	IT	Application Specific	PYTHON, HTML5, CSS3, JAVASCRIPT	Converts word file to PDF Uncopiable PDF Secure Lower resolution Lesser time consumption	Copyright
25	Aawaaz	Dr. Shashi Bhushan	2017- 2018	Excellent Project	1239876 1239904	Ishant Raju, Nishant Raju	п	Application Specific	Speech generation	Desktop application Aims in employability of dumb people Suer-friendly Suer-friendly Speech Generating Tool Esses in communication Not Available prior	Filed 2 patents, One already published
26	AGIATOR "A Triple Environment Rescue and Surveillance Manual and Automatic Robot"	Dr. Shashi Bhushan	2019- 2020	Excellent Project	1703335	Piyush Chaudhary	IT	Robotics	Using Drone Technology & Sensors	Helpful in private sector Can be used for delivery purpose Low cost Powerful Efficient environment	Participation Certificate in Parivartan
27	Third Eye	Dr. Shashi Bhushan	2019- 2020	Excellent Project	1603077	Sonali	IT	Sensors and Drone technology	Using Drone Technology & Sensors	Saving Time Providing Security Saving soldiers life Helps in disaster search opertaions	Participation Certificate in Parivartan
28	ADHEEP	Dr. Shashi Bhushan	2018- 2019	Excellent Project	1602709	Himani Verma	ІТ	Internet of Things	Building secure networks	Reliability and Confidentiality Provides Authorization, Authentication and Accounting (AAA) Implemented with existing architecture of internet model Fingerprints are unique and impossible to duplicate	Participation Certificate in Parivartan
29	Comprehensive tools to edit the pdf and convert into epub format	Dr. Shanky Goyal	2020- 2021	Excellent Project	2102501,	Naman Sharma, Shruti Anand, Manish Aggarwal, Sankalp sharma, Surbhi Kumari Jha	п	Application Specific	Python (Different Modules such as Tkinter, Aspose-Words, gTTS, etc.) Mechanism for blind people (prototype made using DC motor, Arduino, batteries, etc.) (Optional)	Designed for impaired readers In-Built Screen Reader Fast Fes Software Fessible to OCR	Amongst Finalist in Smart Hackathon 2022



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30	"DoCo – The first WhatsApp Document Converter Blog"	Dr. Shanky Goyal	2022- 2023	Excellent Project	2003353,	Naman Sharma	п	Application Specific	Python and JavaScript and utilizes various libraries and frameworks such as Twilio and Flask.	Lesy to use No additional software required S. Fast conversion	Copyright
31	TABI – MARKETING AUTOMATION TOOL	Ms. Anupam Bonkra	2022- 2023	Excellent Project	2002841	Gaurav	п	Application Specific	developing and using automation tools	1. A fully automated solution for customize marketing Emails, SMS and push 2. Easily build customized dynamic Email Templates with zero code. 2. Easily build dynamic SMS and push officiation messages, 1. Easily build dynamic SMS and push officiation messages, 1. Easily build dynamic SMS and push officiation size of the second se	Participation Certificate in Parivartan 2022
32	Student Management System	Mr. Amitabh Sharma	2021- 2022	Excellent Project	1903248	Abhay	п	Application Specific	Able to develop the management system for student related tasks	Handle informtaion of the student regarding admission and examination	Final Year Project Excellent Project Services: Can be effective for collecting feedback from students, for suggesting the carrier options, and assisting in recruitments
33	Blood Bank Management App	Ms. Swati Rehal	2021- 2022	Excellent Project	1902652	Mani Singh	п	Application Specific	Student is able to develop Android application	Daily donor records Blood requisitionlissue Powerful search for donors by blood group, gender, contact	Final Year Project Excellent Project Services: Helpful for the communities like doctors, donors, reclevers and other general public.
34	Bug Tracking System	Ms. Swati Rehal	2021- 2022	Excellent Project	1902638	Josh Abraham	п	Application Specific	J2SE	Maintains bug history easy maintennace Fully authenticated	Final Year Project Excellent Project Services: Helpful in finding the defects in the software
35	Automatic Car Parking Sysytem	Mr. Sachin Majithia	2021- 2022	Excellent Project	1902599	Angad Dhiman	п	Application Specific	Visual Studio with Python and SOLite3	Park vehicle in own slot by paying Damage and problem of vehicle is claimed by parking management system So bettermise parking area full or not Vehicle parked in secure condition	Final Year Project Excellent Project Services: Minimize the task of parking a vehicle by providing extra details of the customer.
36	Woman Safety	Mr. Pardeep Singh Tiwana	2021- 2022	Excellent Project	1902589	Abhijeet Kumar	п	Application Specific	Java and Android application development	Fast Alert message sending time should also be very quick	Final Year Project Excellent Project Services: Helpful for the community to connect to nearest help.
37	Content Management System	Mr. Sachin Majithia	2021- 2022	Excellent Project	1902590, 1902590	Abhinav Kamboj, Abhishek Pandey	π	Application Specific	ХАМРР	CMS allows publishing, editing, modifying and orgnaizig dteleting and maintaing content from central intreface.	Final Year Project Excellent Project Services: It can serve as a daily diary. The system helps in comminication between the members of the organization.
38	Engrader	Mr. Neeraj Sharma	2021- 2022	Excellent Project	1903285	Raghav Garg	п	Application Specific	Learned android application development	It allows user to create their account and same will be stored in Realtime Database after achieving certain validation step (such as password must contain an uppercase, etc.). It also uses femali authentication i.e. if one email d is registered than it can not be used by any other account. Login field for old user to login. If user want they see their details than can visit profile screen. User can use any of the given module and attempt the quiz. For each question there is a timer, user have to attempt the quantation in that natificular time and resident of the quiz.	Final Year Project Excellent Project Services: help users to improve their English skills by practicing questions of different modules
39	Movie Recommender System	Dr. Amanpreet Kaur	2021- 2022	Excellent Project	1803261	Dhruv Dhir	п	Web-based Application	Jupyter Notebook, Python	Apply machine learning model More recommendations Sinteractive user experience	Final Year Project Excellent Project Services: Can be useful for people to get better search experience. The renomendation system can be used for almost any domain.
40	TO-DO List	Mr.Amitabh Sharma, Mr. Pardeep Tiwana	2021- 2022	Excellent Project	1902686	Shivam Sharma Sahil Gupta Vishal Bansal	ІТ	Application Spefic	Java Application Development	Add and Delete task Planned Activity Planned Activity Single Training Matrix Asimplicity Single Company Single Compan	Final Year Project Excellent Project Services: It helps to weed out the unwanted stuff and focus on the things that matter most.



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S. No.	Name of Project	Guide	Year of Project Completi on	Type of Project	Roll no.	Name	Department	Research Area	Skill Developed	Uniqueness	Outcome
41	Library Management System	Ms. Priya Dogra	2021- 2022	Excellent Project	1903252	Ankit Kumar	п	Management System	Java Swing, Ecilipse	1User friendly interface 2. Fast access to database 3. Less error 4. More Storage Capacity 5. Search facility 6. Quick transaction	Final Year Project Excellent Project Excellent Project Services: The Library Management System allows the user to store the book details and the person's details. This software allows storing the details of all the data related to library. The implementation of the system will reduce data entry time and provide readily calculated reports.
42	FACE RECOGNITION	Ms. Priya Dogra	2021- 2022	Excellent Project	1903266	Devansh Rathore	п	Application Specific	Machine tearning	SVM Classifier based lidnetify the name of the person	Final Year Project Excellent Project Services: It is able to automatically verify identity information for secure transactionness and for access control to buildings and for access control to buildings etc.
43	TOLL PLAZA SYSTEM	Ms. Shanky Goyal	2019- 2020	Excellent Project	1703282	Jagrit Chadha	п	Application Specific	Java, Microsft Access	optimize the queue length of vehicles time of customers in the system.	Final Year Project Excellent Project Services: The project benefits in savings travel time, travel cost, increase in comfort and convenience.
44	Home Automation System	Mr. Mandeep singh Devgan	2021- 2022	Excellent Project		Ritik Sharma Sarvesh Vinayak	п	Application Specific		Provide multiple features in a single product which incorporates intrusion detection. 2. Operating of appliances based on environmental conditions, incorporating user schedule, detecting users for easier access and swring electric power.	Final Year Project Excellent Project Services: The project can be helpful by building a user interface using API's to take manual commands from users from anywhere.
45	JARVIS	Dr. Amanpreet Kaur	2021- 2022	Excellent Project	1803247	Aishwarya Sood	п	Application Specific	Speech Recognition using python	JARVIS, the Desktop Assistant would send emails without typing a single word, doing Wikipedia searches without opening web browsers and performing many other daily tasks like playing music with the help of a single voice command.	Final Year Project Excellent Project Services: It can be used as Desktop Assistant