

UTTAM KUMAR PANDEY

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PROFILE SUMMARY

- ❖ Worked with Moto Craft as a Product development Engineer.
- ❖ B. Tech. degree in Mechanical Engineering from IPEC, Ghaziabad.
- ❖ Post Graduate Diploma in HRD from MGKVP University, Varanasi.
- ❖ Proficient in finding and resolving problem, using exceptional technical and communicational skills.
- ❖ Ability to express technical concepts clearly to people with no technical background.
- ❖ Worked on Project - Robotic Arm, Home Automation, Prosthetic Hand for Upper Limb Amputees, Swift Convertible Roof, 6D Automatic Vehicle Seat for Handicapped People.
- ❖ Good understanding of Mechatronic System and Programming Language C and Python.
- ❖ Design software: - CATIA, SOLID WORKS, Fusion360.
- ❖ Worked with 3D printer, CNC for rapid prototyping.
- ❖ An effective communicator with excellent interpersonal, logical thinking & analytical abilities.

ACADEMIC PROJECTS

- Project Title :** Variable Trajectory Robotic Arm (Jul 2017 – Sep2017).
- Organization : IPEC Ghaziabad.
- Platform Used : C, CATIA
- Contribution : Algorithm Analysis and Coding for Microcontroller.
- Description : This project was done with use of Arduino to make a complete automatic mobile Robotic arm.
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- Project Title :** Prosthetic Arm for upper limb amputees (Jul2018 – Mar2019).
- Organization : IPEC Ghaziabad.
- Platform Used : C, Fusion360
- Contribution : Design Analysis, Coding and making Prototype of Prosthetic limb.
- Description : This project is done with use of Arduino to make a complete mechanized Prosthetic arm for amputees with upper limb problem.

INDUSTRIAL PROJECTS

- Project Title :** Convertible roof for car (Aug2019 – Jan2020).
- Organization : Moto Craft.
- Platform Used : C, Fusion 360, Mechatronics, Sheet metal.
- Contribution : To provide complete solution for project.
- Description : This project was done with use of CNC Cutting to reach the required accuracy. Arduino based microcontroller is used to make a complete automation and the

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CAD based design is used for the manufacturing of the product.
Products : Retractable roof of car.
Status : **Passed the quality test and permitted for the production.**

Project Title : 6 D seat for handicapped people (Dec2019 – Jun2020).
Organization : Moto Craft.
Platform Used : C, Fusion 360, Mechatronics, Sheet metal.
Contribution : To do R&D and make new product as per the need of handicapped people.
Description : This project is done with use of CNC Cutting to reach the required accuracy.
Arduino is used to make a complete automation and the CAD design is used
For the manufacturing of the product.
Products : This seat can be fitted in almost all type of cars.
Status : **Passed the quality test and permitted for the production.**

Project Title : Arduino based learning kit for students (Jun2018 – Aug2018).
Organization : Brahmabeej Research, Delhi.
Platform Used : Fusion360, Arduino, 3D printing
Contribution : Design Analysis and Code Testing for Prototyping.

SCHOLASTIC

2022 Post Graduate Diploma in H.R.D.
2019 B. Tech. in Mechanical from IPEC, Ghaziabad with 68.3% marks.
2014 12th from S.T.M.I.C. Rajpur, Varanasi with 75.4% marks.
2012 10th from S.T.M.I.C. Rajpur, Varanasi with 81% marks.

SUMMARY OF SKILLS

- ❖ Excellent communications skills
- ❖ Positive attitude towards work
- ❖ Integrated approach of solving problem
- ❖ 3D design and programming
- ❖ C, Python, CATIA, SOLID WORKS, Fusion360, Arduino

EXTRA CURRICULUM

- ❖ Awarded for organizing Hands-on Workshop on **Robotics & Automation**.
- ❖ Actively Participated in AWIM Program organized by **Maruti and SAEIndia**.
- ❖ Completed summer training of 6 weeks in **Panjab Bevel Gear Ltd.**
- ❖ Completed 45 hour Workshop in **TATA Motors Ltd.**