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At HyperX Energy Private Limited, we are developing an Advanced Technology based Electric Motorcycle initially for the domestic market and eventually for the global market. Our start-up venture is based out of New Delhi and currently incubated at Technology Business Incubation Unit, IIT Delhi.

Project Brief: We are developing an Electric Motorcycle from an entirely new concept to prototyping & manufacturing. We have developed various components and now we must take it to the next stage of design and development of the computer aided model for prototyping and manufacturing.

We are currently looking for like-minded dreamers who want to build a world-class product. We wish to welcome on board such team members who can contribute to our efforts:

- 1) Study and Development of Assembly for the Motorcycle.
- 2) Design and Development of the Dynamics of the performance electric motorcycle.
- 3) Building vehicle dynamic simulation and analysis models by using ANSYS, ADAMS or other specified software.
- 4) Correlating simulation results with vehicle or sub-system measurements, and actively seek for ways to improve simulation accuracy
- 5) Implementing vehicle dynamic simulation models in hardware-in-the-loop systems (HILS) environment.
- 6) Development and optimization of the new and existing dynamics system of the motorcycle.
- 7) To analyze the Manufacturing & prototyping prospect of the developed and developing parts.
- 8) Others related to the motorcycle dynamics are also welcomed.

Work under the challenging and dynamical environment to catch the pace of team in IIT Delhi campus. This sub-task focuses on the study and development of parts and system dynamics of the vehicle. The model will include the Powertrain (battery & motor etc.) of the electric motorcycle for analysis.

Regards,
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