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....a hub of creative explorations to actualize various ideas/ technologies developed at the levels of classroom projects from within the department as well as from other departments of engineering





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## IT enabled Design Process....

- Concept Exploration
- 3D layout and mechanical system design (concept/principle design)
- Design Modeling (surface modeling and reverse engineering)
- 3D mechanical design (parametric modeling tooling, plastic mold etc.)
- Engineering simulation
- Design and manufacturing documentation
  Visualization and Communication (real time visualization, photorealistic
- rendering and animation)
- Productivity: User interface, customization and automation
- Data management, data interoperability and translation with other software
- Ergonomics and software applications.
- ....utilize the latest computing technology at all stages of the design process. .... application of digital tools integrated within assignments and projects



## Prospects for a PDE Graduate ....

- Product designer, product engineer, design engineer in the product development process / R&D department.
- Creative engineer, a human factors engineer
- Function as a product manager, customer support manager,
- quality manager • Set up their own design studios
- Offer Consultancy as freelance design engineering
- professionals
- A team leader or a project coordinator
- Self starters, Entrepreneurs

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.... In the present day Indian economy with its fast-paced growth in the industrial and services sector, graduates in product design engineering have a wide scope for employment or independent practice.

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