



RV Educational Institutions[®]
RV College of Engineering[®]

Autonomous
Institution Affiliated
to Visvesvaraya
Technological
University, Belagavi

Approved by AICTE,
New Delhi, Accredited
By NAAC, Bengaluru
And NBA, New Delhi

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Industry Certified Internship

Centre for Hydrogen and Green Technology

Internship modules for Engineering students

- M1. Bio hydrogen production from lignin waste
- M2. Lignin Super Absorbent Polymer (SAP) as a water retention agent in agricultural lands
- M3. Recycling of waste generated from end-of-the-life components of solar power plants
- M4. Recycling of waste generated from end-of-the-life components of wind power plants
- M5. Application of Flue Gas Desulfurization (FGD) Gypsum as a domestic fuel
- M6. Desalination of brackish water using solar energy
- M7. Fabrication and testing of a solar photovoltaic system for electricity generation
- M8. Development of a simple biomass gasification system
- M9. Applications of graphene and its derivatives in carbon capture and conversion
- M10. Synthesis and characterization of eco-friendly additives for green fuel generation
- M11. Physico - chemical studies of eco-friendly additives in lubricants
- M12. Design of anaerobic digester for green fuel generation
- M13. Sustainable energy from biomass through biological and thermochemical conversion routes
- M14. Nanomaterials for humidity sensing
- M15. Waste handling in foam industry
- M16. Reactor Simulation - MATLAB app development
- M17. Porous silicon nanowires for energy storage applications
- M18. Design and integration of solar PV ON /OFF grid system
- M19. Smart energy management for PV standalone system
- M20. Application of lignin-based biomaterials in water remediation
- M21. Production of biofuel and its application in an internal combustion engine
- M22. Integration of a renewable energy power source and an electrolyzer with a fuel cell to make it self-sustained
- M23. Nano materials for Civil Engineering applications
- M24. Challenges associated with supplying power to implantable medical devices and the use of implantable fuel cells
- M25. Liquid Organic Hydrogen Carriers and reversible metal hydrides for hydrogen storage
- M26. Hydrogen permeation/trapping in high strength steels and development of hydrogen impermeable materials/alloys
- M27. Electricity generation system from a renewable energy source to power an electrolyzer
- M28. Renewable energy powered electrolyzer system to generate hydrogen gas for a self-sustained fuel cell
- M29. Physical Installation of PV port on rooftop
- M30. Entrepreneurship in solar PV systems - PV port marketing and preparation of technical /commercial business proposal

For Further Information Contact:

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