

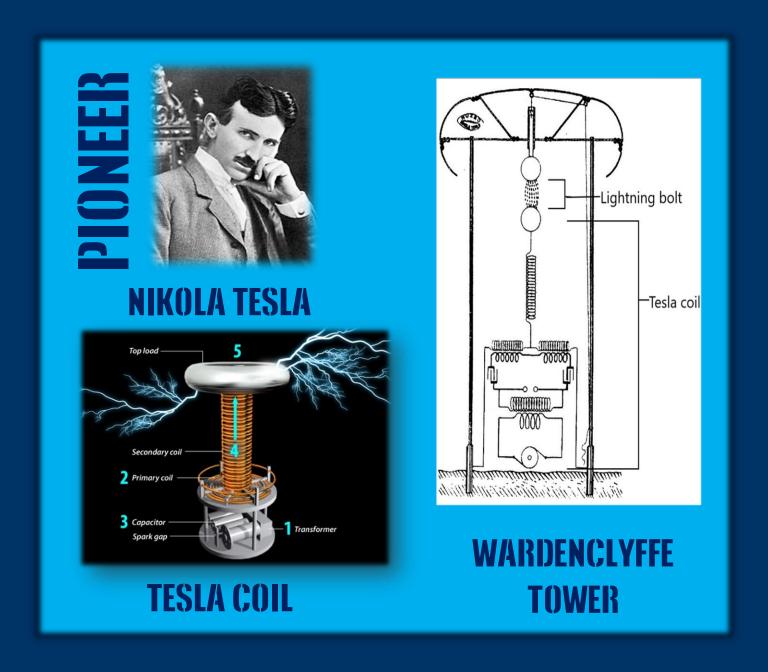
## BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

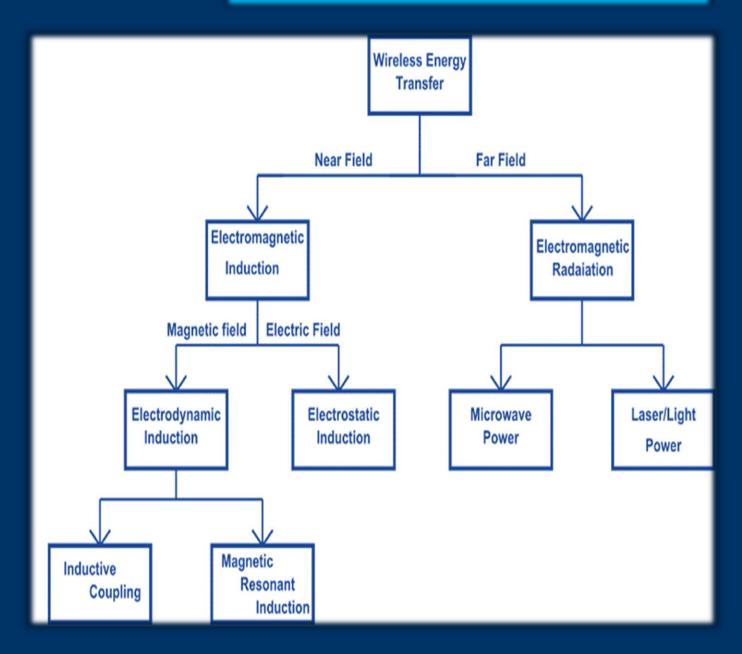
### FUTURE OF POWER TRANSFER

1BY20ET035: MEGHANA A

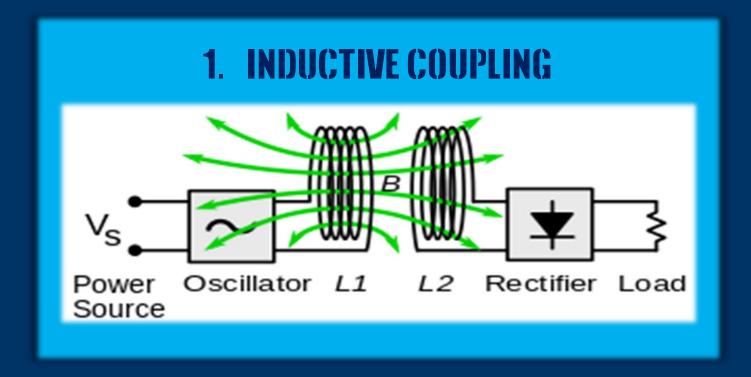
1BY20ET048: S VARSHA

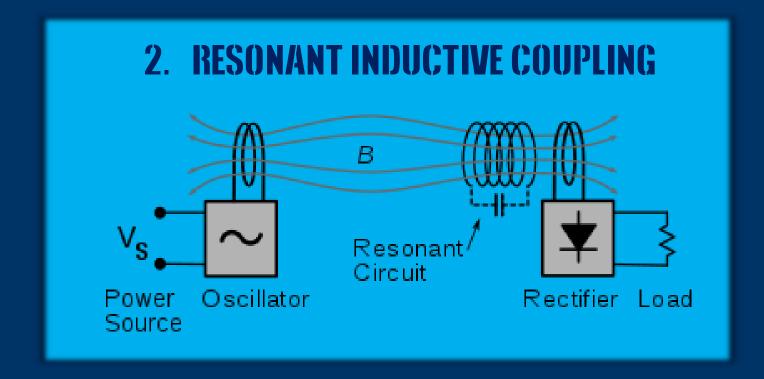
1BY20ET053: SHARMILA S

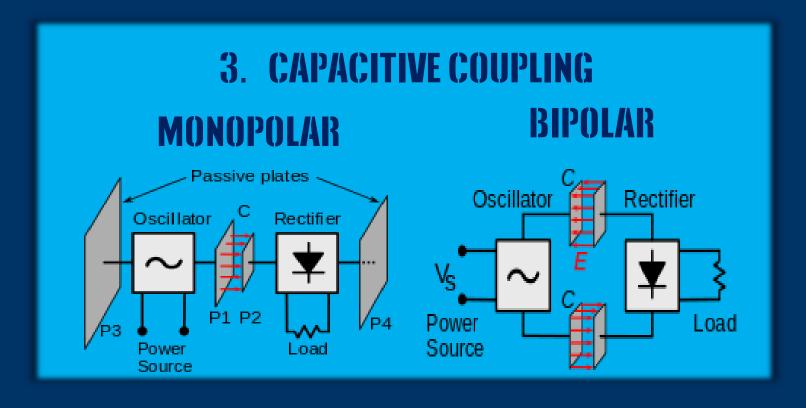




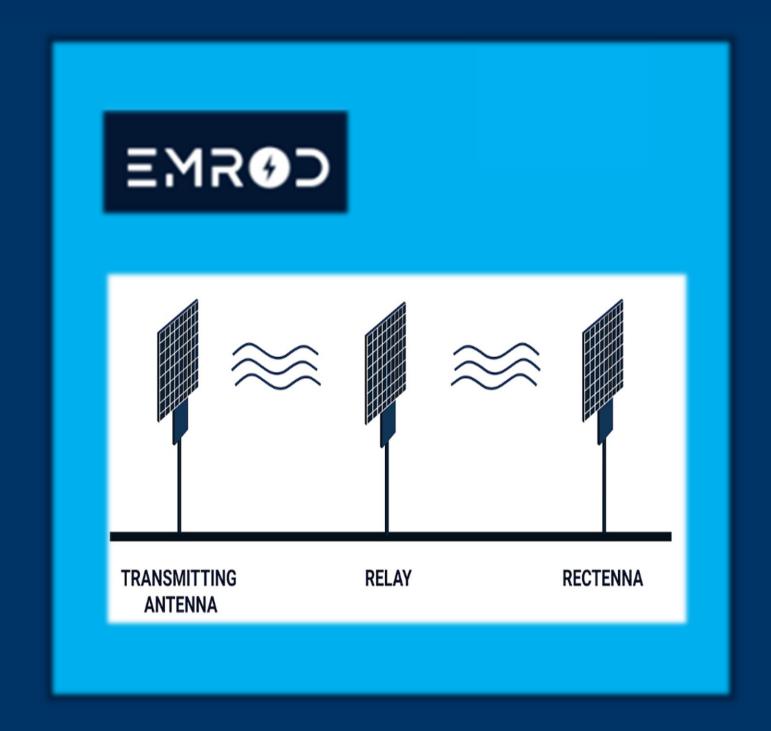
# WIRELESS POWER TRANSFER



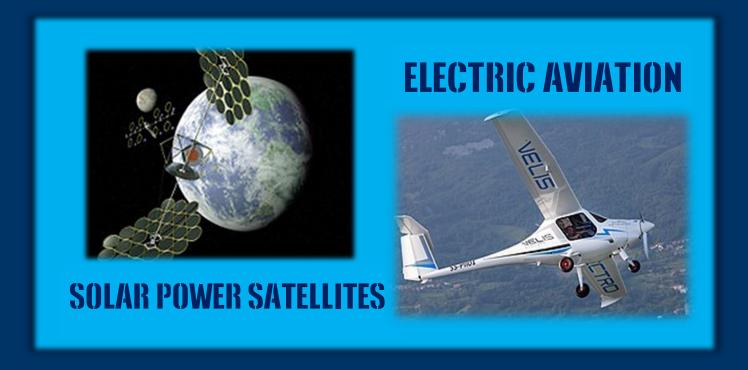












#### **ADVANTAGES**

- > Reduces use of wires and batteries
- > Sustainable and cost-effective alternative to large generators and micro-grids
- > Prevents power outages
- > Reduces electricity infrastructure cost
- > Increases the mobility, reliability, convenience of an electronic device for users
- Making remote renewable energy more accessible and efficient
- > Replacing costly infrastructure over challenging terrain
- > Supporting remote communities

#### **FUTURE**

- > Implantable medical devices
- > Wirelessly Powered Urban Transit
- > Wirelessly Powered Autonomous Vehicles
- > Electric aviation
- > Automated Guided Vehicles
- > Wirelessly powered drone aircraft
- > Solar power satellites

#### DISADVANTAGES

- > Limiting the exposure of people and other living beings to potentially injurious electromagnetic fields
- > Distance constraints
- > High initial cost

