

# Renewable Energy Club-REC



## Day-1 Nirmaan(Model Presentation)

**“There is no plan B, because we do not have planet B” – Ban Ki-moon**

Our Earth has supported life for more than trillions of years but today we are facing a threat of apocalypse, Why? Rapidly depleting natural resources and pollution pose a great threat to our very existence. Well, today when we are progressing towards more advancement, we must not forget that the mother earth must not be ignored.

So let's start an initiative and go one step ahead.

REC has come up with an event **NIRMAAN** for Sankalp 2k19. It aims to bring together the young minds in a bid to solve the problems faced by India due to contamination and alternate energy profile, to come up with a solution that can be applied for the betterment of the society.

Well small ideas can create a huge difference you know! Bring out the creativity from within, implement it into real lives.

### **Problem Statement:**

- Solid Waste Management-** Provide an executable model for the segregation of all types of solid waste. So that they can be recycled or reused based on the properties.
- Liquid Waste Water Management-** Suggest any executable plan innovative plan for conservation of water and to reduce the contamination of water bodies.
- Energy Optimization-** Design a prototype which can reduce the energy usage and increase the efficiencies or suggest any innovative plan which can overcome this challenge.
- Renewable Energy Model-** Nirmaan invites you to involve themselves in this event and provide impactful solutions that will help our environment clean and green.

### **Event Details:**

- Stages:** (Round 1) Abstract Submission providing the innovation incorporated.  
(Round 2) Presentation of Model Solution with prototype.
- Judging Criteria:** Innovation  
Economic Feasibility  
Knowledge  
Presentation
- Rules:** No of participants: two members max in a team.

**For any queries contact:**

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**Day-2 Vicharghata(Idea Presentation)**

**“Problems cannot be solved at the same level of awareness that created them.” – Albert Einstein**

Our cities are growing constantly, which puts enormous pressures on our finite natural resources. This increase in rampant Urbanization has left us with many challenges.

Challenges with issues of sustainable transport, waste management and efficient use of our limited water sources, among many others. These challenges require feasible, intelligent solutions and a population which is informed and ready to tackle them effectively. REC has come up with an event **VICHARGATHA** for Sankalp 2k19. It aims to solve the problems faced by common people of different cities of the country and aims to bring together the young minds who can come up with a feasible solution that can truly elevate the quality of life of millions affected by those issues.

**Problem Statement:**

•**Solid Waste Management-** With municipal bodies facing severe logistical and financial issues, inadequate public awareness, as well as reducing support for the informal waste economy; the garbage crisis is nowhere seen to be ending.

•**Water Management-** With an increasing population and a fast growing economy, the demand for water is increasing. However, issues of distribution, access, pricing and quality, plague our urban water management.

•**Mobility-** The urban population relies on a variety of transport modes to serve their mobility needs ranging from walking and cycling, public transport services, para-transit options such as auto-rickshaws and cabs, and private vehicles.

**Event Details:**

•**Stages:** (Round 1) Abstract Submission providing the innovation incorporated.  
(Round 2) Presentation of Solution.

•**Rules:** No of participants: two members max in a team

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