



# SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(Deemed to be University)

CENTRE FOR WASTE MANAGEMENT

CENTRE OF EXCELLENCE FOR ENERGY RESEARCH

Rajiv Gandhi Road, Jeppiaar Nagar, Sozhinganallur, Chennai 600 119

Phone : 044-2450 3065 / 044-24503814 / 044-24502723

E-mail: [deanoffice@sathyabama.ac.in](mailto:deanoffice@sathyabama.ac.in) , [head@centreforwastemanagement.com](mailto:head@centreforwastemanagement.com), [energyresearch@sathyabama.ac.in](mailto:energyresearch@sathyabama.ac.in)

Website: [www.sathyabama.ac.in](http://www.sathyabama.ac.in), [www.centreforwastemanagement.com](http://www.centreforwastemanagement.com), [www.energyresearch.in](http://www.energyresearch.in)



## Inter-Collegiate Project Competition

### RENEW -2019

A **R**esearch **E**xploration for **N**ovel & **E**co-friendly **W**aste handling techniques

Date : 27<sup>th</sup> March 2019, Venue : International Research Centre

**RENEW-2019** wants to create and encourage science-based solutions for the benefit of humankind and society; Innovative solutions to build smart villages, tackle problems of waste management, energy crisis, and environmental issues are welcome. Interested students and scholars may send their project abstracts that are original, novel and implementable for Category A, Category B or both. Proven concepts/protocols/products for cleaner, greener and smarter environment will receive preference.

#### Themes:

1. Waste Water Recycle and Reuse
2. Waste to Energy
3. Waste to Value Added Product
4. Pollution Prevention and Control
5. Solid Waste Management including Municipal/construction/electronics/biomedical waste
6. Energy and Environment

**Last date of Registration: 20<sup>th</sup> March, 2019**

#### Eligibility

1. Students/research scholars from authorized institutions (students have to show their valid college ID) can participate individually or as a team.
2. A team can have a maximum of four members.
3. If more than four members are required for the project display, the participating team may raise a request, with suitable reasons, to [renew2k19@gmail.com](mailto:renew2k19@gmail.com) with the subject "**RENEW: Team number increase request**".

#### Category A

##### RENEW-19 – ORAL PRESENTATION

Participants are encouraged to submit an abstract not exceeding 500 words highlighting the objectives, beneficiaries (for whom) and value of results (usage).

##### Abstract Submission format

Mail the abstracts to [renew2k19@gmail.com](mailto:renew2k19@gmail.com) with the subject "RENEW-2019" Project Report: <Team Name> (for eg. "RENEW-2019" Project Report: <TEAMGREEN>).

#### SHORTLISTING

Expert Committee will select Top 20 teams by evaluating the abstracts received. The selected teams will get a chance to make an oral presentation of their project in the final round that will be held at Centre for Waste Management, Sathyabama Institute of Science and Technology on 27 March 2019. Judges will select Top three for receipt of cash awards and Certificates of Excellence.

## Category B RENEW-19 –PROJECT DISPLAY

RENEW-19 Project display where participants bring their models and display in exhibition. Separate prizes will be announced for project display category. Participants can register directly through Renew registration portal mentioning project display category.

Selected teams would get the chance to present their model/idea in the Final Round, which will be held on 27<sup>th</sup> March 2019, at the Centre for Waste Management, Sathyabama Institute of Science and Technology.

### REGISTRATION AND SUBMISSION

Participants can register via direct registration link: <https://goo.gl/forms/E0fSpR7luyYIYCI63>

### EVALUATION

A panel of experts following the broad guidelines given below will evaluate the abstracts:

- 1. Creativity and Novelty:** How novel is the idea? How different is it from the current solutions available? The innovation must be ingenious and novel in its area of application and should have a high potential for leaving an impact on the society.
- 2. Originality:** The innovation should not, by any means, include copied or stolen work. Such applications will be disqualified immediately.
- 3. Performance**
- 4. Cost/Market Value and Acceptance**
- 5. Durability and Usability:** Durability of the prototype/method proposed.
- 6. Implementation ability:** Is the solution implementable as described? Is it repeatable? Is the solution feasible for diverse and changing conditions?
- 7. Scalability:** Is the solution scalable to a higher level, how easy is it to scale up and what are the factors affecting it?
- 8. Potential of Impact:** How does it benefit the society? The scale of problem that it solves, intensity of the solution and number of people catered from the solution directly and indirectly.
- 9. Design:** Has the design been taken into consideration? How optimized is the product?
- 10. Ergonomics** (if the team decides to make a well-designed product) In case of any discrepancies, the decision of the Organizers or Judges will be final and binding on all.

### GENERAL RULES

1. Every team has to register online (not applicable for project display category) through the centre website for the competition. A Team ID will be allocated to the team on registration which shall be used for future references.
2. A team can register at any point of time before 10<sup>th</sup> March 2019
3. Teams are allowed to participate in both the categories
4. All participants of Category A and Category B are expected to bring their prototype
5. The decision of the organizers or judges shall be treated as final and binding on all. Organizer has all the rights to verify the identity and accuracy of the details provided by the participants.
6. No responsibility will be held by Centre for waste Management, Sathyabama Institute of Science and Technology for any late, lost or misdirected entries.
7. The idea presented by the teams should be original (not protected by means of patent/copyright/technical publication by anyone else).
8. All modes of official communication will be through the [renew2k19@gmail.com](mailto:renew2k19@gmail.com)

### CERTIFICATE POLICY

All registered participants will get Certificate of Participation during RENEW-19. **Top 3 Winners of both category will be awarded with cash prize and Certificate of Excellence**

TIMELINE	Registration Fee
Last date of Registration-20 <sup>th</sup> March 2019	Rs 500/person for participating in any 1 Category Rs 800/person for participating in Category A&B
Last date of submitting abstract-21 <sup>st</sup> March 2019	
Announcement of Selection- 23 <sup>rd</sup> March 2019	

Organizing committee

Contact details

Dr Dawn S S  
Mr Arun Govind M

Ms N Nirmala  
Mr A Santhosh

+91 9962277656, +91 9092029616