



Sri Eshwar
College of Engineering
An Autonomous Institution
Affiliated to Anna University, Chennai
COIMBATORE | INDIA



**RESEARCH AND INNOVATIONS TEAM PRESENTS
WEBINAR SERIES ON THE THEME**

**YOU CAN
DO IT!**



**ARE YOU
READY?**

உங்களால் முடியும் !

**YOU CAN BECOME A
GOOD RESEARCHER**

**RESEARCH PLANNING
AND IMPLEMENTATION**

Dr. DEBABRATA DATTA

- Senior Scientist-H
- Former, Head, Radiological Physics & Advisory Division Bhabha Atomic Research Centre
- Professor (Physical & Mathematical Sciences), Homi Bhabha National Institute (Deemed University) Department of Atomic Energy (DAE)
- Adjunct Professor, SRM University, Kattankulathur, Chennai



Date & Time **JUNE 29, 2020 :: 11.00 AM - 12.00 NOON**

E-Certificates will be provided to all the participants

REGISTRATION LINK : <https://tinyurl.com/SECE-AYR-webinar8>

ORGANIZED BY : Dr. G. Karuppusami, Dean – Research and Innovations
Dr. H. Ananda Kumar, Department of CSE

Example of Spatial Modeling

- Suitability Analysis (feasibility \ vulnerability \ sensitivity analysis)

Calculate optimal site locations by identifying possible influential factors
The optimal suitability map may provide new insight into the ideal areas where a new site should be located

To solve ... Where are the optimum locations for a new school, landfill?



Hugags like: Gentle Slopes, Southerly Aspects, Lower Elevations

Applying the Average Suitability model to a larger area shows its strong tendency to favor configurations. Note that the areas of best habitat (dark green) occur on the latter gentle slopes that are constantly sheltered and at lower elevations. Note that the worst areas (light red) occur on steep, southerly slopes at higher elevations.

- Hydrologic Modeling
- Distance Modeling

