Vigyan 2.0

Hackathon-2022

Problem Statement No. 1

Sr. No.	Title	Details
1	**Theme**	Biotech
2	**Student**	School or College/University
3	**Problem Statement**	Natural or Biological or Green synthesis of Azadirachtin
4	**Details of Industry / Organization**	Name: Vise Innovative Solution Enterprise Pvt. Ltd. Contact Person Name: Prakash Vaghasiya Designation: CEO Email Id: visedirector@gmail.com Mobile No. 9601365935
5	**Category**	Bio-Tech Product
6	**Challenge Description**	Azadirachtin is a chemical compound which is majorly present in a neem seeds and leaves. Azadirachtin is a broad-spectrum insecticide, its acts as a feeding deterrent, insect growth disruptor (IGD), and sterilant and is used to control various agricultural pest species, including Coleoptera, Heminoptera, Diptera, Orthoptera, and Isoptera. Azadirachtin is a complex natural product, which possesses sixteen contiguous stereogenic centers as well as various oxygen-containing functional groups. Completing the synthesis of this compound is one of the greatest challenges for synthetic chemists.
7	**Expected Outcomes**	Natural or Biological or Green Synthesis of Azadirachtin.