



భారతీయ సాంకేతిక విజ్ఞాన సంస్థ హైదరాబాద్
 भारतीय प्रौद्योगिकी संस्थान हैदराबाद
 Indian Institute of Technology Hyderabad

1. **Title of the Project** – Climate Champions Internship Program: Empowering Future Leaders for a Sustainable World
2. **PI details with Dept and Designation** – Dr. Pritha Chatterjee, Department of Climate Change, Head, Assistant Professor

3. **Origin /Background Problem** –

The alarming consequences of climate change have propelled society to take urgent action towards building a sustainable future. The Department of Climate Change at the IIT Hyderabad attempts to explore climate change by integrating academic knowledge with practical knowledge, bringing scientists, engineers, practitioners and students together. The key is an understanding of the strong association between the basic climate sciences, the technology & engineering solutions, and the policy. We, at IITH, plan to be a leading institute in the synergy among these three key areas.

In recognition of climate solutions, we want to introduce an internship program focused on addressing the challenges posed by climate change. Our program aims to provide aspiring environmental enthusiasts and changemakers with an exceptional opportunity to contribute their skills, passion, and innovative ideas to combat this global crisis. Through hands-on experience, mentorship, and engaging projects, interns will actively participate in developing and implementing practical solutions that promote sustainability, mitigate climate risks, and foster resilience in local communities and beyond. We believe that by empowering the next generation of climate leaders, we can collectively create a more sustainable and environmentally conscious world.

4. **Aim and Objectives** –

1. To provide interns with a comprehensive understanding of the challenges and impacts of climate change on the environment, ecosystems, and human society.
2. Provide mentorship and guidance from experts in the field to support interns in developing their skills and expertise in specific areas of interest.
3. To foster a sense of environmental stewardship and raise awareness about the importance of sustainable practices among interns.
4. To promote interdisciplinary collaboration and innovative thinking in developing effective climate change solutions.
5. Encourage interns to propose and implement innovative ideas and solutions to address specific climate challenges.

5. **Current Status of your work (including TRL)** – NA

6. **Proposed Work** –

Our three-month summer internship program offers a transformative experience for undergraduate and postgraduate students passionate about addressing the pressing challenges of climate change. Through this program, interns will have the opportunity to engage in meaningful work that contributes directly to climate change mitigation, adaptation, and sustainability efforts. Interns will collaborate with experienced mentors and professionals in the field, participating in research projects, data analysis, policy development, and innovative



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solution design. They will gain hands-on experience in areas such as carbon capture and utilization, renewable energy, climate policy, environmental education, and more. The program aims to empower interns by providing them with practical skills, knowledge, and real-world experience to become future leaders and change agents in the fight against climate change.

We will also organize one open day, where we will invite speakers from experts in the field for seminars. This will create awareness among young professionals.

7. **Thematic areas covered under SDGs** (*Please mention SDGs separated by comma*) –

SDG 7: Affordable and Clean Energy, SDG 13: Climate Action, SDG 11: Sustainable Cities and Communities, SDG 12: Responsible Consumption and Production, SDG 4: Quality Education

8. **Budget Details** (*Please do not include any overheads. Overheads will be added as per institute CSR norms. Bifurcations within the budget may be provided. However, this can also be provided later. Please include the year wise budget with a max of 3 years.*)

Item	Justification	Year 1	Year 2	Year 3	
Fellowship	5 intern for 2 months each year @ Ra 10000 per month	100000	100000	100000	
Open Day	To show the opportunities	30000	30000	30000	
Total		130000	130000	130000	390000

9. **Social Impact (Qualitative and Quantitative)** -

1. Increased Climate Awareness: Interns can become ambassadors for climate action, sharing their knowledge and experiences with their communities and driving conversations around the need for sustainable practices.
2. Sustainable Innovation: Interns can develop projects or prototypes that address specific climate challenges, promoting the adoption of sustainable technologies, practices, and business models.
3. Capacity Building: By providing interns with practical skills, knowledge, and real-world experience, the program equips them to become effective change agents in their respective fields, contributing to the long-term capacity and expertise needed to tackle climate change.
4. Collaborative Networks: The program can facilitate the creation of collaborative networks among interns, experts, and organizations working in the field of climate change. These networks can foster ongoing collaboration, knowledge sharing, and collective action, amplifying the impact of individual efforts and creating a supportive ecosystem for future climate initiatives.

Over a period of 5 years we plan to have 15 interns trained in Climate Studies