

# INTERNSHIP REPORT

CAPACITY STRENGTHENING OF MULTI-ACTORS TO LIMIT  
CLIMATE CHANGE IMPACTS AND ENHANCE RESILIENCE  
(CAP-RES)

**JULY 2024 - DECEMBER 2024**

Prepared By :

**MD Shahadat Hossain Shahal**

RESEARCH INTERN



Submitted by:

**MD Shahadat Hossain Shahal**

RESEARCH INTERN

CAPACITY STRENGTHENING OF MULTI-ACTORS TO LIMIT  
CLIMATE CHANGE IMPACTS AND ENHANCE RESILIENCE  
**(CAP-RES)**

International Centre for Climate Change and Development (ICCCAD)

Under Supervision of:

**Juel Mahmud**

Project Manager

CAPACITY STRENGTHENING OF MULTI-ACTORS TO LIMIT  
CLIMATE CHANGE IMPACTS AND ENHANCE RESILIENCE  
**(CAP-RES)**

International Centre for Climate Change and Development (ICCCAD)

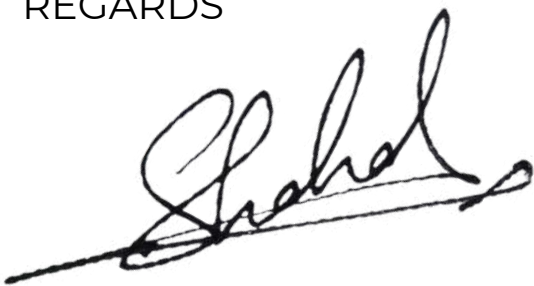
SUBMISSION DATE: 27th January 2025

## DECLARATION

I, Md Shahadat Hossain Shahal, declare that I independently completed this internship report, following the completion of my six-month internship at ICCCAD, IUB, as part of the CAP-RES project.

Furthermore, I confirm that this report was created solely to meet the objectives of this project and for no other purpose. It may not be utilized in any way that would be detrimental to ICCCAD, IUB, or the CAP-RES project.

REGARDS

A handwritten signature in black ink, appearing to read 'Shahal', with a horizontal line underneath it.

MD SHAHADAT HOSSAN SHAHAL

# ACKNOWLEDGEMENT

Acknowledging the support and contributions I've received during my internship is a vital step in reflecting on my journey. First and foremost, I express my deep gratitude to Almighty Allah for providing me with the strength and guidance that have been instrumental throughout this experience.

I would like to formally thank my supervisor, Juel Mahmud (Project Manager, CAP-RES). His mentorship, guidance, and supervision have been crucial in shaping my internship, and I truly appreciate the unwavering support he has provided. Additionally, I want to recognize Ms. Maria Aktar (Assistant Project Manager, CAP-RES) for her invaluable wisdom and insights that have consistently guided me in my daily activities.

I also extend my appreciation to the CAP-RES project team. Their continuous support and collaboration fostered a positive and inclusive working environment at ICCCAD, making my internship not just valuable but transformative. The dedication and expertise of my colleagues have inspired me and significantly contributed to my professional growth.

Moreover, I must acknowledge the entire ICCCAD team for their kindness and guidance. Their insights and advice have been critical at every stage of my development. The experiences I have gained and the skills I have acquired during this internship will undoubtedly influence my future career.

Being part of this significant work in addressing climate challenges has been an honor, and the impact of this experience is both profound and rewarding.

# **TABLE OF CONTENTS**

<b>TABLE OF CONTENT</b>	<b>6</b>
<b>EXECUTIVE SUMMARY</b>	<b>7</b>
<b>INTRODUCTION</b>	<b>8</b>
<b>ABOUT THE ORGANIZATION</b>	<b>9</b>
<b>INTERNSHIP OBJECTIVES</b>	<b>10</b>
<b>DESCRIPTION OF DUTIES</b>	<b>12</b>
<b>CHALLENGES</b>	<b>13</b>
<b>OVERVIEW OF THE INTERNSHIP</b>	<b>14</b>
<b>SKILLS LEARNED</b>	<b>15</b>
<b>OUTGOING CONSIDERATION</b>	<b>16</b>
<b>CONCLUSION</b>	<b>17</b>

# EXECUTIVE SUMMARY

The International Centre for Climate Change and Development (ICCCAD) is a leading research and capacity-building organization focused on climate change and development in Bangladesh. Established to leverage local experience, knowledge, and research, ICCCAD aims to address climate change in one of the most affected countries. The goal of CAP-RES is to enhance the capacity of actors at local, national, and regional levels to mitigate climate change impacts and strengthen resilience. One of the project's key activities is offering a six-month internship program for students, providing them with an opportunity to build capacity through ICCCAD's in-house research.

My responsibilities encompassed a range of organizational and administrative tasks. I contributed documentation, design and contributed in ongoing research. Additionally, I had the privilege of attending various meetings, and workshops, which broadened my perspective and enhanced my knowledge. Through my internship, I gained a deeper understanding of the challenges posed by climate change and the necessity for effective adaptation and resilience solutions

The CAP-RES project internship at ICCCAD was a tremendous learning experience. It helped me gain a thorough awareness of climate change concerns, such as scientific research, policy analysis, and community engagement. Throughout the internship, I received valuable skills and information, as well as firsthand experience with real-world climate resilience concerns. This experience has given me invaluable insights that will be useful in my future job in this industry.

# INTRODUCTION

Students have the chance to participate in worthwhile, real-world work that relates to their subject of study or career goals through internships. It allows students to gain new skills, hone old ones, and investigate possible career routes. Since ICCCAD is a reputable research organization, I was thrilled to begin this internship since it would be a fantastic venue for me to launch my career and enable me to gain from the advice and mentoring of specialists in the field.

Through the CAP-RES initiative, students and young professionals can take part in a six-month internship program at ICCCAD. Participating in ICCCAD's internal research initiatives is intended to improve their abilities and expertise. Students will explore climate-induced loss and damage (L&D) and locally led adaptation (LLA) throughout their internship, producing a variety of knowledge outputs like blog posts, policy briefs, and research publications. In addition to increasing their ability, this practical experience advances our knowledge of climate adaptation and resilience.

Having a background in computer science, I found this job to be an intriguing chance to get professional knowledge about climate change. From July to December 2024, I worked as a research intern for the CAPRES project. My primary responsibilities were to assist the CAPRES management team and gain knowledge in the process. I collaborated with the CAPRES team at ICCCAD during my internship by working in several capacities with the Youth team, Capacity Building team, and Locally Led Adaptation (LLA) team.

# ABOUT THE ORGANIZATION

The International Centre for Climate Change and Development (ICCCAD) is an environmental research institute established in 2009 through a joint collaboration between the International Institute for Environment and Development (IIED) in the UK, the Bangladesh Center for Advanced Studies, and Independent University, Bangladesh (IUB). Located on the IUB campus in Dhaka, ICCCAD aims to develop a world-class institution that leverages local experience, knowledge, and research in one of the countries most affected by climate change.

ICCCAD's mission is to acquire and disseminate knowledge on climate change, with a specific focus on adaptation. The organization seeks to help people adapt to climate change, particularly in the global South. By concentrating its efforts in Bangladesh, ICCCAD enables international participants to gain direct, real-world insights into climate change challenges. Through the expertise of ICCCAD and its local partners, international organizations can access relevant and grounded knowledge that can be shared globally for the benefit of other Low Development Countries (LDCs), their governments, donors, and international NGOs.

ICCCAD envisions becoming a global Centre of Excellence on Climate Change and Development research. By building and leading a network of Southern-based partner institutes, ICCCAD aims to educate the world about climate change and development, while increasing capacity in the South.



## OBJECTIVE

- Strengthen capacity through ICCCAD's in-house research program.
- Conduct research on climate-induced Loss and Damage (L&D) and Locally Led Adaptation (LLA).
- Develop knowledge products such as research articles, policy briefs, and blog posts.
- Support the planning, implementation, and monitoring of the CAP-RES project.
- Gain practical experience and enhance skills in project management.

## DUTIES

- Assisting the project manager or team leader in planning, execution, and project closure.
- Conducting research and gathering data to support various project activities.
- Contributing to the development of project timelines and schedules.
- Assisting with project documentation and communication.
- Participating in team meetings and providing updates on assigned tasks.
- Identifying and helping manage project risks and challenges.
- Supporting the development and implementation of project deliverables.
- Aiding the project manager in ensuring timely project completion within budget and to the satisfaction of all stakeholders.

Based on the duties, the tasks and responsibilities i undertook during my internship are as follow:

### **1. Support in events and workshops:**

my responsibilities involved working with the assistant project manager on upcoming events and workshops. I supported in reporting, documentation, design, photographing and other related tasks.

Few Examples would be

- a. Project Inception and Stake holder Mapping Meeting of 'Capacitating garments industry workers for a greener transition in Bangladesh'

### **2. Designing for promotion:**

I designed and made posters, flyers and other means of publications for promotion of various events, programs and workshops.

Few examples would be ,

- a. TRAINING ON NAVIGATING COP29
- b. Addressing Locally Led Adaptation and Local Loss And Damage: A Nexus Approach
- c. Youth Innovation Fund 2025
- d. ICCCAD Youth Fellowship 2025
- e. Research Grant

### **3. Reports development:**

Annual Report: I worked with Ms. Naznine Nahar on the ICCCAD annual report 2023.

### **4. Maintained Documentation:**

I maintained the official documents of the CAP-RES project such as intern recruitment records, intern hiring grade sheets and application form.

## **5. Research work:**

As a computer science student i tried to learn about research in climate filed. How I can contribute against climate change and its impact. Cross domain and interoperability can be achieved through only studying and knowing both of the topics. Hence I tried to learn how an organization like ICCCAD work. I contributed by processing and translating datasets of existing research. I had personal talks and generated ideas by talking to the employed research officers.

So far, I am doing my studying on two topics,

- a. A Machine Learning Framework for Predicting River Erosion and Proactive Mitigation Strategies
- b. Mitigating the Ecological Impacts of Hydroelectric Projects on Aquatic Ecosystems

## **6. Other assignments:**

I made a javascript based attendance record system. And currently working on a Enterprise resource planning development for ICCCAD IUB wich aims to optimize the organizational process and improve efficiency.

# Challenges

Throughout my internship at ICCCAD's CAPRRES project, I faced a number of obstacles that profoundly influenced my development as a professional. These encounters improved my ability to solve problems and gave me priceless practical experience in the industry.

Juggling the duties of the internship while being an undergraduate student was one of the biggest hurdles. I had to be able to multitask and manage my time well in order to attend classes and complete my internship assignments. I had personal health issues throughout the internship, such as illness and a cancer diagnosis, which made matters worse.

But i must say in spite of these challenges, ICCCAD showed exceptional comprehension and assistance. The staff gave me scheduling flexibility, which let me successfully balance my internship duties, health requirements, and academic obligations. In addition to making my journey easier during a trying time, their understanding and accommodating demeanor strengthened my capacity to adjust and endure under duress. I learned the value of multitasking, resilience, and a supportive work atmosphere from this experience, which has had a long-lasting effect on me.

# INTERNSHIP OVERVIEW

As part of the CAP-RES project, I worked for six months at the International Centre for Climate Change and Development (ICCCAD), where I was able to participate in a variety of projects. Taking part in planning, carrying out, and concluding numerous initiatives and programs was the main responsibility of my position in order to help the CAP-RES management team. I was involved in creating promotional materials for the group, such as grant applications, event brochures, and other projects.

As part of my job, I tried to create an Enterprise Resource Planning (ERP) system (on going) for ICCCAD and developed a JavaScript-based attendance system. Through these initiatives, I gained practical experience applying my technological expertise to real-world problems, which improved the organization's operational efficiency. Furthermore, I worked closely with the assistant and project manager.

By investigating the interoperability between the environmental and computer science domains, I also acquired important insights into research approaches in the environmental area. I was able to comprehend how technology can efficiently handle environmental concerns as a result of this experience. Building on this experience, I started researching two issues to increase my understanding and widen my viewpoint in this multidisciplinary field.

In addition to giving me a broader grasp of climate resilience and adaptation techniques, this internship greatly improved my project management, technical development, and research abilities.

# SKILLS LEARNED

## **Time management and task prioritization:**

I was able to hone my multitasking and time management abilities by overseeing several tasks and adhering to deadlines. I developed my ability to efficiently prioritize activities, maintain organization, and remain productive under pressure while juggling internship responsibilities and academic obligations as an undergraduate.

## **Interpersonal and Social Skills:**

During my internship, I gained confidence and became more outgoing by connecting with new individuals, especially the parties involved. These social skills are necessary for productive cooperation and adjusting to the pressures of the workplace.

## **Project Coordination:**

During my internship, I had the chance to hone my coordination and organizing abilities. By observing the assistant project manager, Ms. Maria Aktar, who kindly led me through the procedures, I helped handle several aspects of research projects and obtained practical experience.

## **Visual Design:**

I gained skills in designing visually attractive and informative graphics, including infographics, flyers, social media content, and banners, using Canva. This ability enabled me to present data and research insights in an engaging and accessible manner.

## **Research Proficiency:**

By observing locally led adaptation (LLA) and climate-induced loss and damage (L&D) projects, I enhanced my research knowledge. Data collection, analysis, and compilation into thorough reports were all part of this procedure.

# Future Outlook and Reflection

Beyond this internship, I'm committed to pursuing more education and professional development, actively looking for chances to broaden my knowledge of climate research, policy, and implementation techniques. My attitude to projects has changed significantly as a result of this experience. In the past, I rarely gave a project's environmental effect any thought. But now I always consider its prospective effects on the environment and make an effort to select more sustainable and greener options wherever I can.

This change in viewpoint has given me the ability to approach problems with a more responsible and all-encompassing outlook. I think this strategy will help me prioritize environmental sustainability while more successfully overcoming future challenges.

I will continue to be receptive to new experiences, research opportunities, and partnerships as my career progresses so that I may develop professionally and make a significant contribution to the fight against climate change. I am incredibly appreciative of the CAP-RES team's advice and assistance, which have been crucial in forming my path.

# Conclusion

My supervisor's essential advice and the steadfast support of an amazing team have enabled me to complete my internship, which has been a really fulfilling experience. I am really grateful for the chance to work with such committed individuals, and the information and skills I have acquired over this time are priceless.

I'm still dedicated to expanding my knowledge in the areas of resilience and climate change, always looking for new possibilities to develop and make a significant contribution. My enthusiasm for this work strengthens my resolve to back international initiatives aimed at tackling climate issues and building resilience more broadly.

I now have a solid basis for accomplishing my future goals thanks to my experience working with the CAP-RES team. It has increased my desire to actively contribute to the fight against climate change and the advancement of sustainable practices. I'm excited to keep learning and working on projects that have a real, beneficial influence in this important area.