

1. Title of the programme: Awareness class on "Extreme weather conditions and climate change"

2. Name of the Coordinator: Dr. Lakshmi S Bose

**3. Organizing Department/Cell:** Department of Physics in collaboration with Kerala University of Fisheries and Ocean Studies (KUFOS), Panangad, Kochi

4. Date: 27<sup>th</sup> September 2023

5. Number of participants: 72

6. Venue: Seminar Hall

**7. Resource Person:** Dr. Abish B, Assistant Professor, Department of Ocean and Technology, KUFOS, Panangad, Kochi

#### 8. Objective of the Programme:

- 1. To increase awareness among students about the extreme weather conditions and increasing climate change and to educate them about the importance of the environment in controlling it.
- 2. To provide learning and education opportunities for students in the area of atmospheric science.

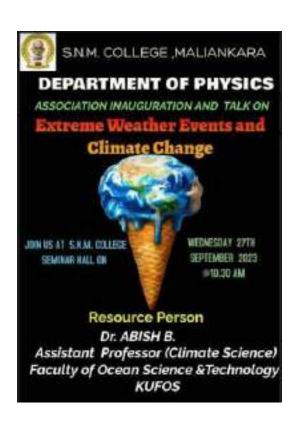
## 9. Detailed description of the event:

As part of Physics association inauguration 2023, Department of Physics organized an awareness class on "Extreme weather conditions and climate change" in collaboration with Kerala University of Fisheries and Ocean Studies (KUFOS), Panangad, Kochi on 27<sup>th</sup> September 2023 at 10:30 am at S.N.M. college seminar hall. Dr. Lakshmi S Bose (Physics Association Convener) Assistant Professor, Department of Physics welcomed the audience. Dr. Neena P (HoD), Assistant Professor, Department of Physics delivered the presidential address. The resource person was Dr. Abish B, Assistant Professor, Department of Ocean and Technology, KUFOS. The resource person officially inaugurated physics association activities 2023 and delivered a talk on "Extreme weather conditions and climate change". The talk included the reasons for today's extreme weather conditions and climate change, what role the environment plays in regulating the climate and why it is important for future generations to take care of the environment and prevent any sudden climate changes.

He also discussed about how climate changes have been affecting the earth and how icebergs are melting at a fast pace and resulting in the rise of water. The speaker presented various atmospheric phenomena arising from drastic climate changes. He also discussed about different modeling studies, adaptation strategies and technology systems that are required in understanding the processes involved in the climate change. The speaker said that prevailing human activities as well as natural phenomena constitute agents of climate change and they must be controlled. He concluded that awareness and enlightenment on climate change and sustainable development for all is essential and that could be achieved only through basic and applied research in climate science by strengthening observational and modeling tools and systems. The programme was followed by an interactive session, answering the queries from the student and teacher community. In the interaction session, the speaker also discussed about student academic projects and internship programmes that KUFOS offers in atmospheric sciences guided by experienced professional and scientific experts.

10. Outcome of the event/Evaluation by Programme Coordinator: The talk was successful in creating awareness, promoting knowledge and skills development on climate issues and related concepts among students. The interaction session with the speaker was very informative to the students as it provided a scientific understanding and awareness on the key climate processes, resultant climate risks and associated consequences on the social systems. The session also helped the speaker to assess the level of climate change awareness among students. Nearly 72 students were benefitted by the programme. The programme developed in them an attempt to start an immediate action to protect the environment from severe climate changes which is the need of the hour.

#### **Brochure**



## **Photos**











മാല്യമം എസ് എൻ.എം കോളേയിൽ നടന്ന കാലാവസ്ഥ വ്യതിയാനം ശില്പശാല കേരള യൂണിവേഴ്സിറ്റ് ഒഫ് ഫിഷറീസ് ആൻഡ് ഓഷ്യൻ സ്റ്റഡീസിലെ അസി. പ്രൊഫസർഡോ ബ്ലീ ആസിഷ്മൂഴ്ലാടനം ചെയ്യനാ

# കാലാവസ്ഥ വ്യതിയാനം ശില്പശാല

പറവൂർ: മാല്യങ്കര എസ്.എൻ.എം കോളേജിൽ ഫിസിക്സ്വി ഭാഗത്തിന്റെ ആഭിളുഖ്യത്തിൽ കാലാവസ്ഥവുതിയാനം എ ന്നാദിഷയത്തിൽ ശില്ലശാലനത്തി. കേരളയ്യണിറേഷ്സിറ്റ് ഒഫ്ഫിഷനിസ്ആൻഡ്ഓഷ്യൻസ്റ്റാഡീസിലെ അസി. പ്രൊ ഫസർഡോ.ബി. ആത്വിഷ്ളര്ഘാടനം ചെയ്തു. ഫിസിക്സ്വി ഭാഗം ശേധാവിഡോ. പി.നിന അദ്ധ്യക്ഷതവം റിച്ച അദ്യോ പകരായഡോ. ലക്ഷ്വിഎസ്. ബോസ്. പ്രിയഎസ്. നായർ. സി.പി. സ്വനിൽക്കോർ, ഡോ. കെ.എസ്. ഊർമ്മിള, നമിത്ന വക്രമ്യൻ, ഡോ. എൻ. വിദ്യാഭാതൻ എന്നിവർ സംസാരിപ്പ

# List of participants

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