

## **PROFORMA OF EVENT**

1. Name of Department-**PHYSICS**
2. Event-**Extra Mural Talk**
3. DATE-**12.12.2019**
4. Title of the Topic-**Global Warming**
5. Name & Designation of Resource Person:-

**Prof. (Dr.) Debendra Kumar Das**  
**Professor Emeritus of Mechanical Engineering,**  
**University of Alaska, U.S.A**

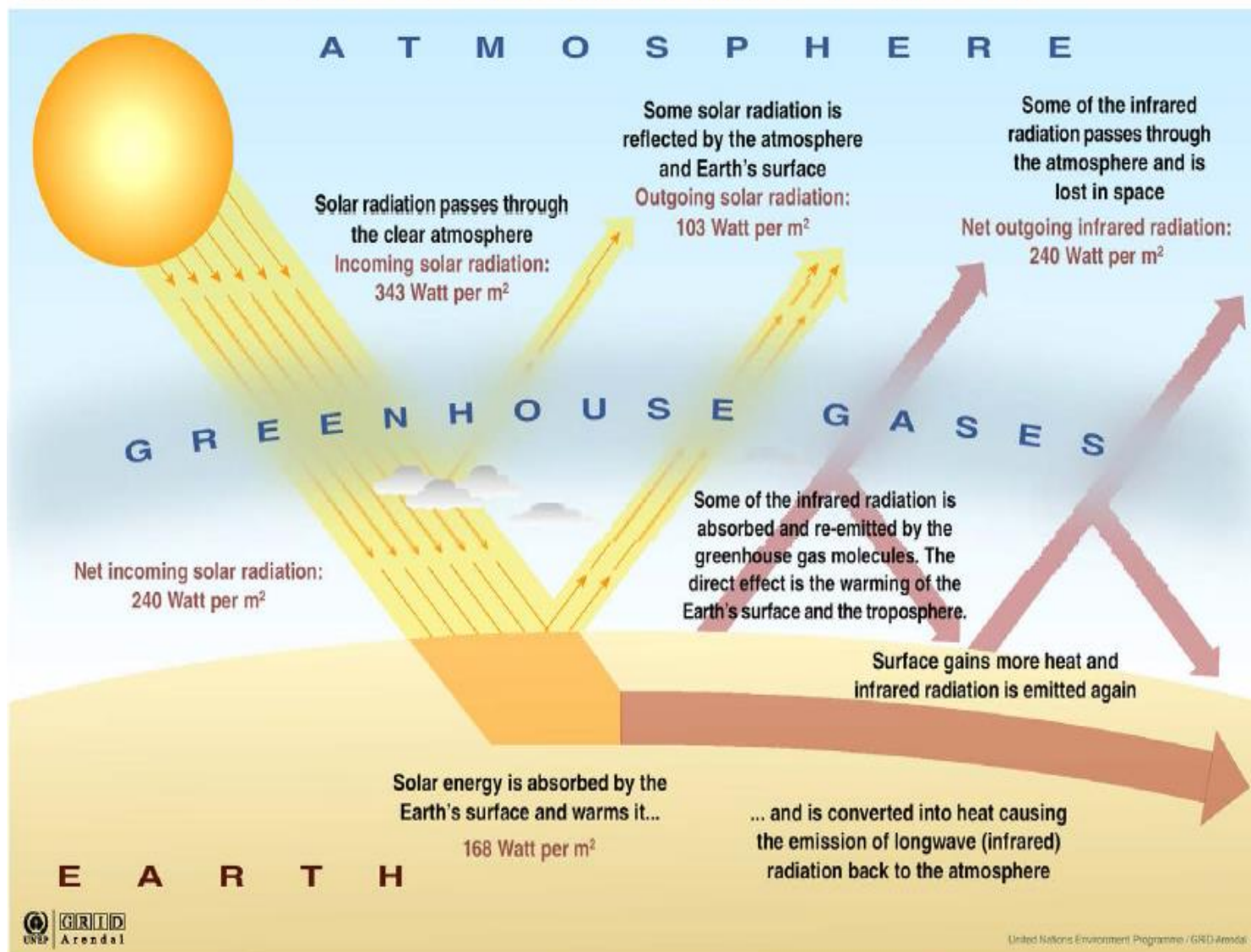
### **6. Report:-**

Our planet Earth is a very beautiful. God has made this planet for his most lovable creature, human being. But in the other sense human being is destroying it in different ways. One of the main effects I am going to discuss here that is “Global Warming”. The term “Global Warming” is also used to refer to increase in average temperature of the air and sea at earth’s surface. Climate change has been recognized as the foremost environmental problem of the twenty-first century and has become a subject of considerable debate. It is predicted to lead to adverse, irreversible impacts on earth and ecosystem as a whole. Although it is difficult to connect specific weather events to global warming, increases in global temperatures have been predicted to cause boarder changes, including glacial retreat, arctic shrinkage, and worldwide sea level rise. The combined impact of climate change and limitations of resources is the two separate and very significant issues putting at risk the sustainability of the current socio-economic systems that support our way of life. Although actuaries do not claim professional expertise in environmental issues, they can be guided by the growing body of knowledge publicly available from reliable scientific sources. Being particularly qualified to deal with modeling financial consequences of risks and uncertainties, the actuarial profession has a duty to provide training and education on climate change and sustainability so that its members are qualified to contribute to the well-being of the society. In undertaking this exercise, the actuarial profession needs to be cognizant of the fact that even within the climate change science community there are differing views on the nature and amplitude of the risks and the profession should be aware of these differing views. Climate change is more than global warming. The rise in average temperature is only one indicator of broader changes also translating into extreme temperatures, drought, flooding, storms, rising sea levels, impacts on food production, and infectious diseases. Although the scientific community has been aware of the link between greenhouse gases (GHGs) and climate change for many years, world leaders have been slow to react and implement measures to mitigate the risks. Global warming is exacerbating the sustainability challenge as it may reduce agricultural

production and will result in physical damage resulting from extreme weather events, sea-level rise, etc.



# The Greenhouse Effect



7. **Other remark:** The extra mural talk on topic “Global Warming” was presided by the honorable principal Dr. Smruti Ranjan Behera along with IQAC Co-ordinator Dr. Mathuri Charan Nayak. The welcome address of the resource person was given by the convener (HOD of Physics) Mr. Brahmananda Sethi. The invited resource person discussed the topic from various angles so that it will be fruitful to UG & PG students as well as for research scholars those who are working in this field. The interactive session for the participant with the resource person was very nice. At the end of the talk vote of thanks was given by Prof. Ajaya Kumar Rout. Other staff members of physics department gave their efforts to make the extra mural talk a grand success.





# EXTRA MURAL TALK ON "GLOBAL WARMING"

**Resource Person–Prof. (Dr.) Debendra Kumar Das**  
**Professor Emeritus of Mechanical Engineering,**  
**University of Alaska, U.S.A**

**Organised by : Department of Physics**  
**Tulasi Women's collge, Kendrapara**

**Date: 12/12/2019 (Thursday) at 1:00 p.m**







## ପଦାର୍ଥ ବିଜ୍ଞାନ ବିଭାଗର ଏକସ୍ତ୍ରୀ ମୁରାଲ ଟଙ୍କ କାର୍ଯ୍ୟକ୍ରମ



### • କେନ୍ଦ୍ରାପଡ଼ା, ପିଏନଏସ

ତୁଳସୀ ମହିଳା ମହାବିଦ୍ୟାଳୟ କେନ୍ଦ୍ରାପଡ଼ାର ପଦାର୍ଥ ବିଜ୍ଞାନ ବିଭାଗ ଦ୍ଵାରା ଶୁକ୍ରବାର ଏକ ଏକ୍ସ୍ତ୍ରୀ ମୁରାଲ ଟଙ୍କ କାର୍ଯ୍ୟକ୍ରମ ଅନୁଷ୍ଠିତ ହୋଇଯାଇଛି । ଏଥିରେ ଆଲାସ୍କା ବିଶ୍ଵବିଦ୍ୟାଳୟର ମେକାନିକାଲ ଇଞ୍ଜିନିୟରିଂ ବିଭାଗର ଏମିରିଟସ୍ ପ୍ରଫେସର ଡଃ ଦେବେନ୍ଦ୍ର ଦାସ ଉପସ୍ଥିତ ରହି ଛାତ୍ରୀକୁ ଗ୍ଲୋବାଲ୍ ପ୍ରାମିଜ୍ ବିଷୟରେ ଆଲୋଚନା କରିଥିଲେ । ସଭା କାର୍ଯ୍ୟକୁ ଅଧ୍ୟକ୍ଷ ତତ୍କୃର ସୁତିରଞ୍ଜନ ବେହେରା ପରିଚାଳିତ କରିଥିଲେ । ବିଭାଗୀୟ ମୁଖ୍ୟ ଶ୍ରୀ ବ୍ରହ୍ମାନନ୍ଦ ସେଠୀ ବିଷୟ ବସ୍ତୁର ତାତ୍ପର୍ଯ୍ୟ ବିଷୟରେ ଆଲୋଚନା କରିଥିଲେ । ଉକ୍ତ କାର୍ଯ୍ୟକ୍ରମରେ ପ୍ରାଧ୍ୟାପକ ଅଜୟ ରାଉତ, ତତ୍କୃର ମଥୁରା ଚରଣ ନାୟକ, ଶ୍ରୀମତୀ ଜ୍ୟୋତ୍ସ୍ନା ରାଣା ପତି, ଦୀପ୍ତିମୟା ରାଉତରାୟ, ଅର୍ପିତା କାନୁନଗୋ, ମୋନାଲିସା ସାହୁ, ରବିନ୍ଦ୍ର ନାଥ ପରିଡ଼ା, ଇନ୍ଦୁମତୀ ସାହୁ, ବଳରାମ ବାରିକ, ବିଶ୍ଵପ୍ରକାଶ ସାହୁ, ଦୈତାରା ସାହୁ ପ୍ରମୁଖ ଉପସ୍ଥିତ ଥିଲେ । ଶେଷରେ ପ୍ରାଧ୍ୟାପକ ଅଜୟ ରାଉତ ଧନ୍ୟବାଦ ଅର୍ପଣ କରିଥିଲେ ।

