

REPORT ON TECHNICAL SEMINAR

DEPARTMENT OF CIVIL ENGINEERING

**Climate Change & Water:
Vulnerability & Adaptation**

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ACS COLLEGE OF ENGINEERING, BENGALURU

Kambipura, Mysore Road, Bengaluru – 74

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REPORT OF TECHNICAL SEMINAR BY Dr. Ramaraju

INTRODUCTION

Department of Civil Engineering had Organized a Technical Seminar on September 26th 2018, at 11.00 am at Seminar Hall II, Wednesday on the topic “Climate Change & Water: Vulnerability & Adaptation”. The Tech – talk was delivered by Dr. **Ramaraju** HOD/CIVIL DSCE, Bangalore. This event was coordinated by Prof. Gayathri G and Prof. Nikhil S Sastry.

On this event all the Professors, Associate Professors and Assistant Professors along with 7th semester, 5th Semester and 3rd sem Engineering Students were invited to participate in the Technical Seminar.

This event started at 11.00 am with an invocation song, followed by welcome of the chief guest by Head of Civil Department Dr.D.L.Venkatesh Babu , the Technical Seminar by the Chief Guest Dr. Ramaraju and ended up with Vote of thanks by Dr.D.L.Venkatesh Babu.



Fig: HOD-CIVIL Introducing the Chief Guest



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SUMMARY:

The technical seminar was on the topic “Climate Change & Water: Vulnerability & Adaptation”. A clear understanding was made on the concepts of climate and meteorological changes that affects the environment to a greater extent. The main reasons for the climate change are as follows

- Deforestation
- Exhaustion of fossil fuels
- Industrial pollution
- Increase in water usage
- Over dependence on electricity

A detailed discussion was made on the above said factors which has a prominent impact on the climatological changes. The key climate risks for coastal Areas are

- Weather parameters: Monsoon vagaries – frequent monsoon failure, uneven spatio-temporal distribution of rainfall, Increasing temperature.
- Water Quantum : Shrinkage of water bodies, Surface & Ground water depletion, Quality : Intrusion of sea water & secondary Salinization
- Food security due to fall in agricultural production Unseasonal Rainfall ,Frequent droughts / Floods & Increase in salinity of irrigation water & land
- Coastal ecosystem Flooding and Cyclones, Sea level rise, Land use changes & Heavy urbanization along the coastal region.

The key points which were discussed and concluded are as follows

- Seasonal Climate Forecasts for Water Management
- Need to strengthen research on regional adaptation
- Improve access to best available information on possible impacts o climate change
- Adequate fund allocation to improve local capacities on adaptation
- Take into account of needs and specificities of the region for developing adaptation
- More awareness campaigns
- Participation of people in economizing water & Electricity usage
- Encouraging reuse of water

Testimonials

