Report on OneDay International Symposium on STEM EDUCATION

IQAC, West Guwahati College of Education in collaboration with **CEAM** organised a One -day Virtual International Symposium which was graced by the presence of eminent personalities with expertise on the various fields of education and academics.

It was joined by participants and distinguished personalities from all over the globe holding expertise in various fields.

The proceedings of the meetings began with the Welcome address by Dr. V.M Sasikumar, President CEAM, keynote address was delivered by the Principal of West Guwahati College of Education.

The first session started with Dr.M.S Geetha, Former Dean Faculty of Education, University of Kerela who delivered and enlightened the participants on STEM & NEP 2020. She highlighted on the following key points-

- 1) New Education Policy 2020
- 2) Characteristics of STEM Lesson
- 3) How STEM Education helps the child
- 4) Ways through which an Institution can become a STEM Educational Institution
- 5) Necessity & Importance of STEM
- 6) Methods of teaching STEM Education

She concluded her session with the necessity of Integrating STEM Education into the curriculum

Prof. Protiva Rani Karmaker, Institute Of Modern Languages, Jagannath University of Dhaka added further information on STEM & PSYCHOLOGY in the second session.

She highlighted on the following points-

- 1) Life Skill Education.
- 2) Communication facility.
- 3) Critical Thinking.

- 4) Ethical, imaginative, skills. Etc.
- 5) Educational Resources.
- 6) Curiosity.
- 7) Behavioural and psychological changes.

Prof. K.Y Benedict, Mar Theophilus Training College, Kereladelivered on the third session of the day where he discussed on the key points-

- 1) History of STEM.
- 2) Definition of STEM.
- 3) Why STEM matters?
- 4) What is STEM Curriculum?
- 5) What can we do with STEM?
- 6) Why STEM matters?
- 7) Teachers'role in STEM.

Dr. Adit Gupta, Director, Modern Institute of Education, Jammu further added his valuable inputs in the fourth session. He highlighted the key points-

- 1) Teachers' work load and technology
- 2) Policy Implementation.
- 3) Socio-Economic Disparities.
- 4) Challenges for Implementing STEM Education.
- 5) Technological Division.
- 6) Limited Access to Cutting Edge Technology.
- 7) Standardised Technology Pressure.

The resource person for the final session of the symposium was Prof. Mohamadunni Alias Mustafa, Central University of Kerela. He delivered on points such as-

- 1) Meaning of Different branches of STEM
- 2) Various branches of Education
- 3) Evolution of STEM Education
- 4) Stem Education Levels and Thinking degrees

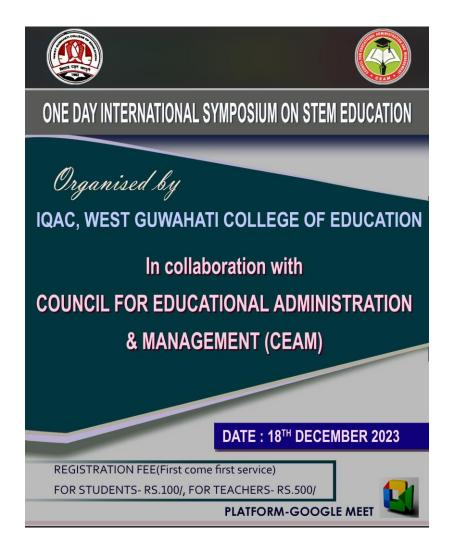
5) 21st Century skills through STEM etc.

The Vote of Thanks was delivered by Dr. Priyanki Barpujari, Assistant Professor, West Guwahati College of Education and the day concluded with the valedictory session from Mr. Mrityunjoy Das Gupta, Assistant Professor West Guwahati College of Education where he concluded the virtual One-day International Symposium, thanking the organising team along with the Principal Dr. Gitanjali Choudhury and the IQAC Coordinator Barsita Sarkar and the collaborating team headed by the President of CEAM, Dr. V.M Sasikumar. He extended his gratitude towards the resource persons of the symposium and all the participants present in the sessions.

The meeting came to an end followed by an interactive session with the resource persons. The event proved to be a successful one.

Archives from the Event-

Promotion of the Symposium



DISTINGUISHED RESOURCE PERSONS



AGENDA OF THE EVENT

AGENDA

⇒ 9.30am-9.40amINAUGURATION

WELCOME SPEECH

DR. V. M. SASIKUMAR, President, CEAM

KEYNOTE ADDRESS

DR. GITANJALI CHOUDHURY,

PRINCIPAL

WEST GUWAHATI COLLEGE OF EDUCATION

→ 9.45am-10.45am.....STEM & NEP 2020

DR. M. S. GEETHA

FORMER DEAN FACULTY OF EDUCATION,

UNIVERSITY OF KERALA

→ 11.00am-12.00pm.....STEM EDUCATION AND PSYCHOLOGY

PROF. PROTIVA RANI KARMAKER

INSTITUTE OF MODERN LANGUAGES, JAGANNATH

UNIVERSITY, DHAKA, BANGLADESH

→ 12.10pm-1.00pm.....INTEGRATION OF STEM IN PEDAGOGY

PROF. MOHAMADUNNI ALIAS MUSTHAFA

PROFESSOR & DEAN, CENTRAL UNIVERSITY OF KERALA

→ 1.00PM.....BREAK TIME

⇒ 2.00pm-3.00pm.....USE OF TECHNOLOGY IN STEM

Prof. Dr. K. Y. BENEDICT

PRINCIPAL (Rtd.)

Faculty of Physical Science Education Mar Theophilus Training College Nalanchira,

Thiruvananthapuram Kerala

→ 3.00pm-4.15pm.....STEM & CHALLENGES IN TEACHING LEARNING PROCESS

DR. ADIT GUPTA

DIRECTOR, MODEL INSTITUTE OF EDUCATION AND

RESEARCH, JAMMU

→ 4.15pm.....VELEDICTORY WITH VOTE OF THANKS

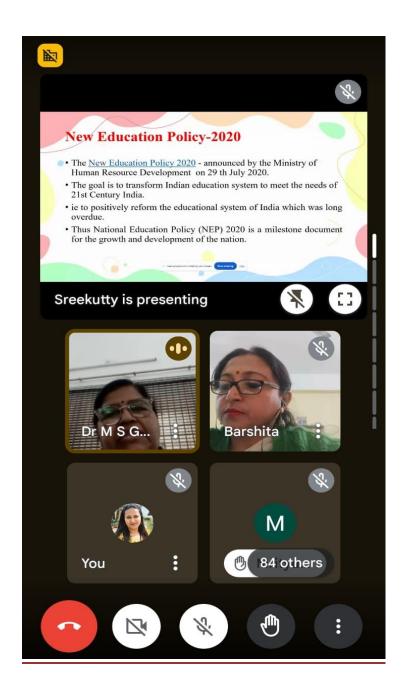
OBJECTIVES

- TO IDENTIFY STEM EDUCATION IN SCHOOL LEVEL.
- TO ENGAGE STUDENTS IN EXPERIENTIAL LEARNING THROUGH STEM.
- TO PERSIST IN PROBLEM SOLVING METHODOLOGY.
- TO ENHANCE INSTRUCTIONAL TECHNOLOGY IN TEACHING & LEARNING.
- TO INCULCATE THE POSITIVE ATTITUDE TOWARDS STEM EDUCATION.
- TO EMBRACE COLLABORATION.

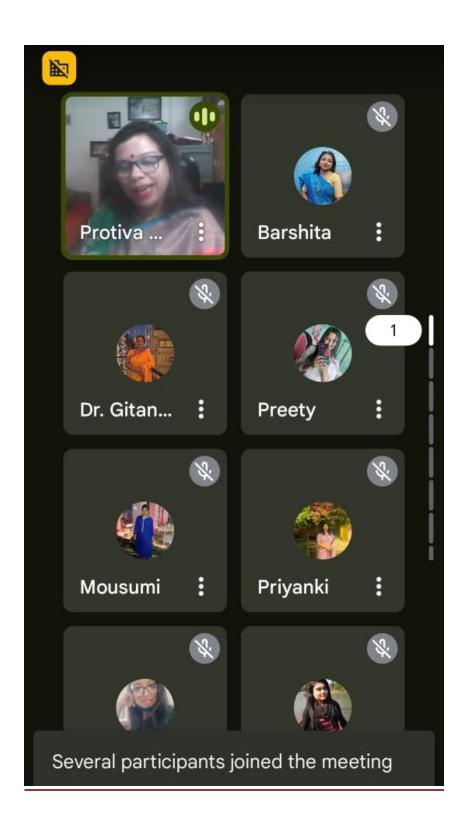
DR. V.M Sasikumar:



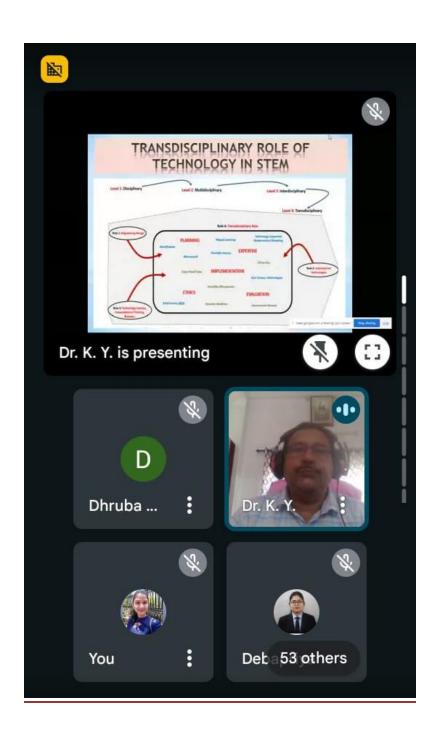
M.S Geetha:



Dr. Protiva Rani Karmaker:



Dr. K.Y Benedict:



Dr. Adit Gupta:



Prof. M. N Musthafa:

