

## DIGNITARIES

### Chief Guest

*Dr. N.M. Desai*  
SAC, Ahmedabad

### Guest of Honour

*PLN Raju*  
Director, NESAC, Meghalaya

### *Dr. K. Ganesh Rai*

Dy. Director RESPOND  
ISRO, Bangalore

### *Prof. Arun Kumar*

Manipur University

## INTRODUCTION

Space technology occupies an important place in the attainment of sustainable development and international communities are seeking cooperation among them to attain more advancement in the field of space exploration. With respect to the context of India, the country started its research on space programme in early 60s and now Indian space program has made remarkable progress towards building the space infrastructure and harnessing benefits in different sectors ranging from agriculture to medicine. The space system has become an important element of the national infrastructure.

With the advance of space technology, India has become one of the global players of commercializing space capabilities and many countries started depending on Indian space technology. The space technology is mainly beneficial to the area where it is not freely accessible physically. The Space data

collection can lead to the local planning and development specially in the North Eastern region with the limited connectivity facility and physical infrastructure.

## WORKSHOP OBJECTIVE

The main objective of the workshop is to impart knowledge to the people about the space technology and its application towards the development of mankind and infrastructures. The workshop will be mainly focused on the development of the North Eastern region of India with the space technology. The workshop will also give the vision of the Indian space programme and planetary missions that are presently available. The global perspective of India with respect to satellite communication will also be discussed during the workshop.

## PARTICIPANTS

The programme is open to all Government officials/ Academicians/ Researchers/ Students having desirable enthusiasm about the space technology for the development of mankind.

## ABOUT THE ORGANISERS

### National Institute of Technology (NIT) Manipur

National Institute of Technology Manipur is one of the ten newly established NIT's by the Ministry of Human Resource Development in 2010. Initially the institute was established under the Manipur Societies Registration Act, 1989. Later the NIT was declared as a full-fledged NIT along with the other nine NIT's, through an Act of Parliament and notified under Govt. of India Gazette notification No. 28 of

2012 (dated 7<sup>th</sup> June 2012) by declaring the institute as an institute of National importance.

At present NIT has six academic departments and Civil Department is one of them. The Civil Department was established in the year 2013. The Civil Department has started M. Tech and Phd Programme along with the B.tech courses to meet the technical knowledge in the area of civil engineering. The department has already equipped with state-of-the-art laboratories and well-advanced equipments to contribute its research output in the field of technology.



Civil Engineering Laboratory

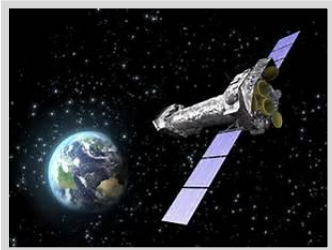
### North Eastern Space Applications Centre (NESAC)

The North Eastern Space Applications Centre (NESAC) was established as a joint initiative of Department of Space (DOS) and the North Eastern Council (NEC) on 5<sup>th</sup> September, 2000. NESAC was established with the objective of providing technical support in managing

rich natural resources and improving the poor infrastructure and communication linkages. The Indian government is all set to provide the developmental process in the region by providing the advanced space technology. The development of space technology in India is mainly from the birth of Department of Space in 1972. The country is now in stage of developing its own indigenous technology and capable of being a global player in the field of space technology. Since June 2008, NESAC is located in its new complex at Umiam (Barapani) near Shillong, Meghalaya.

Some of the state of art facilities available at NESAC

- 1) Remote sensing (RS) and Geographical information system (GIS).
- 2) Satellite communication.
- 3) Space science and atmosphere research.



Space Technology

#### SPEAKERS

1. Dr. N.M. Desai, Dy, Director , MRSA, Ahmedabad
2. Dr. Ganesh Rai, Dy, Director Respond, ISRO
3. Prof. M.C. Arun, Manipur University
4. Dr. Harish Karnatak, IIRS, Dehradun

#### COMMITTEE

##### Patron:

Dr. Sarungbam Birendra Singh



##### Chair Person:

Dr. P. Albino Kumar



##### Convenor:

Dr. Pebam Rocky



##### Organizing Secretary:

Dr. Th. Tamphasana Devi



#### MEMBERS

Dr. Bakimchandra Oinam  
 Dr. Ngangbam Romeji Singh  
 Dr. Mayengbam Sunil Singh  
 Dr. Waikhom Victory  
 Ms. Sarungbam Pipileima  
 Mr. Khwairakpam Sachidananda  
 Mr. Maisnam Nongthouba

#### CONTACT PERSON

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##### Organizing Secretary

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## One Day Workshop

on

## AWARENESS PROGRAMME ON POTENTIAL OF SPACE TECHNOLOGY AND ITS APPLICATIONS

September 27<sup>th</sup>, 2016

Venue: Conference Hall, NIT Manipur



**Chairman**  
*Dr. P. Albino Kumar*  
 Head of Civil Department,  
 NIT Manipur



**Convenor**  
*Dr. Pebam Rocky*  
 Scientist C, NESAC

**Organizing Secretary**  
*Dr. T. Tamphasana Devi*  
 Assistant Professor, Civil Dept.

**Jointly organized by**  
 Department of Civil Engineering  
 National Institute of Technology Manipur  
 Langol, Imphal (India)

&

North Eastern Space Applications Centre  
 (NESAC), Shillong, Meghalaya (India)