

**Rail:** Goa has two rail lines-one run by the South Western Railway and the other by the Konkan Railway. Closest major railway station is 'Madgaon Railway Station' which is around 20 Km (30 Minute ride) from the institute.

### PLACES TO VISIT IN GOA

Baga Beach, Calangute, Aguada Fort, Dudhsagar Waterfalls, Old Goa Churches, Cruise ride, Water Sports, Scuba diving, Banji Jumping, Anjuna Flea Market, Ferry ride, Panjim bridge and lot more exciting places to visit and explore.

### ORGANIZING COMMITTEE

#### Patron

**Prof.(Dr.) Gopal Mugeraya**

Director

National Institute of Technology Goa

#### Chairperson

**Dr. C. Vyjayanthi**

HoD, Dept. of Mech Engg., NIT Goa

#### Coordinators

**Dr. B Santhi**

Asst. Professor, Dept. of Mech Engg, NIT Goa

**Dr. Prasenjit Dey**

Asst. Professor, Dept. of Mech Engg, NIT Goa

### STUDENT ORGANISERS OF META

**Mr. Arjun R Jagadish**

President

**Mr. Shivam Mahesh Naik**

Treasurer

**Mr. Sarthak Kasar**

Joint Treasurer

**Ms. Alisha V. Thorat**

Vice-President

**Ms. Priyancy Gautham**

General Secretary

**Mr. Abhinav Upadhyay**

Joint Secretary

#### For Accommodation:

*Mr. Sonu Harijan*

- 7083204677

*Ms. Priyancy Gautham*

- 9422480236

#### For Registration:

*Mr. Harsh Kailash*

- 9819494313

*Ms. Alisha V. Thorat*

- 7507763915

### Registration Details for Participants:

Event	Industry/ Faculty	Ph.D. Scholars	U.G/ P.G Students
Additive Manufacturing Workshop	₹1000	₹500	₹300
IoT Workshop	₹1500	₹1000	₹500
ANSYS Workshop	₹1000	₹500	₹300
CFD Workshop	₹1000	₹500	₹300

**\*Important Note:** Registration fees would vary for NIT Goa participants based on the event.

#### Important Dates:

Submission of Paper: 25<sup>th</sup> February 2020

(metanitgoa@gmail.com)

Registration for Paper presenters: 25<sup>th</sup> February 2020

Registration for Attendees: 25<sup>th</sup> February 2020

#### Venue:

Institute Seminar Hall,

National Institute of Technology Goa

Near Government ITI,

Farmagudi, Ponda, Goa



#### For Queries Contact:

*Mr. Arjun R Jagadish* - 7798707363

*Mr. Shivam Mahesh Naik* - 9405329776

#### For further details follow us on *INSTAGRAM*

[https://www.instagram.com/meta\\_\\_nitg/](https://www.instagram.com/meta__nitg/)



## NATIONAL SYMPOSIUM ON ADVANCES IN MANUFACTURING ENGINEERING

**28-29 FEBRUARY, 2020**



### CHIEF GUEST

**Dr. U. Chandrasekhar**

Program Director,

AddWize Wipro 3D, Bangalore

### Organized by



**Mechanical Engineering Technical  
Association (META)**

&

**Department of Mechanical Engineering,  
National Institute of Technology Goa  
Farmagudi, Ponda, Goa – 403401**

## About NIT Goa:

NIT Goa was established in the year 2010 by an act of parliament (NIT act 2007) and it is declared as 'Institute of National Importance'. NIT Goa is an autonomous institute and functioning under the aegis of Ministry of human Resource Development (MHRD), Govt. of India. The campus is located at Farmagudi, Ponda approximately 29 km southeast of Panaji, the capital of Goa and it is a temporary campus. The state of Goa is well connected by road ways, rail ways and air ways with various parts of the country

The Institute offers under Graduate courses in Five Engineering Departments: (1) Computer Science and Engineering (2) Electronics and Communication Engineering (3) Electrical and Electronics Engineering (4) Civil Engineering and (5) Mechanical Engineering. The Institute offers Post Graduate courses and Ph.D. degree in three Engineering Departments: (1) Computer Science and Engineering (2) Electronics and Communication Engineering and (3) Electrical and Electronics Engineering. The Institute also offers Ph.D degree in Physics, Chemistry, Mathematics, Economics and English specialization. The institute is sincerely attempting to deliver quality education and to achieve excellence in teaching, learning and research with high professional ethics.



## About Department of Mechanical Engineering:

The Department of Mechanical Engineering was established in the year 2018. It offers Undergraduate (B.Tech.) program in the field of Mechanical Engineering. The Institution and the faculty members are committed to provide the finest possible education to the students. Though it is relatively a newly introduced stream, every care is taken to ensure that the quality of education is not compromised. The lab, library facilities and other infrastructure are regularly upgraded with the support from the institute and our

Director. To ensure that good exposure to Mechanical Engineering is provided, the students are taken to various industries, academics institutes and organized workshops.



## About the Symposium:

The Symposium focuses on cutting-edge research and technologies in the field of advanced manufacturing, with a unique prominence on Metal Additive manufacturing and Internet of Things. In order to sustain in competitive market, to meet the demand of sophisticated products and making parts to convene future technology, advanced manufacturing plays a vital role. Advanced manufacturing technology finds its application in various demanding fields like - aerospace, automobile, robotics, medical, etc.

## The main objectives of this symposium are:

1. To provide in depth knowledge on Metal Additive manufacturing, ANSYS, CFD and Internet of things.
2. To share knowledge on advances in various disciplines in manufacturing.
3. To enthuse students to have hands on experience on various technical ability.
4. To provide a complete learning experience on advanced manufacturing through workshop, Tech talk, Tech events.

## The intended benefits of the Symposium:

1. The workshop organized as a part of this symposium would cater the attendee to get in-depth knowledge in 3D metal additive manufacturing, Internet of things, CFD and ANSYS.
2. Paper presentation opens up the gate way to share your thoughts to experts and optimize the research.
3. Technical events gear up the ideology and feel of the mechanical engineer.

## PROGRAM SCHEDULE:

### Day 1: 28<sup>th</sup> February 2020 (Friday)

09.00-09.30am	<b>Registration</b>
09.30-10.30am	Inaugural session
10.30-11.00am	Tea Break
11.00-01.00pm	Workshop on <b>“Metal Additive Manufacturing”</b>
01.00-02.00pm	Lunch Break
02.00-05.00pm	<b>Paper Presentation</b>
02.00-05.00pm	Workshop on (CFD) <b>“Computational Fluid Dynamics”</b>

### Day 2: 29<sup>th</sup> February 2020 (Saturday)

09.30-12.30pm	Workshop on (IoT) <b>“Internet of Things”</b>
12.30-01.30pm	Lunch Break
01.30-04.30pm	Workshop on <b>“ANSYS”</b>
01.30-04.30pm	<b>Water Rocketry</b>
04.30-05.00pm	Valediction & Prize Distribution

\*In addition, you can experience Exhibition, Technical events, mind game, surprise events and lot more is waiting to excite the young minds.

## Who can attend?

Industry delegates, faculty, research scholars, post graduate and under graduate students in science, Engineering and medical stream having specialization in Physics, mechanical, electronics and computer.

## How to reach us:

NIT Goa Campus is located at Farmagudi, Ponda, Goa. Farmagudi is located on a plateau 3 km from the main Ponda City on the way towards Panaji. Ponda city lies about 28 km south-east of Panaji and 17 km north-east of Margao and is also the capital of Ponda Taluka.

**Air:** Goa's sole airport, the 'Dabolim Airport' in Vasco, caters to domestic and international airlines that stop en route to other Indian destinations. It is at a distance of around 30 Km (45 Minute ride) from the Institute.