



**Centurion**  
**UNIVERSITY**

*Shaping Lives...  
Empowering Communities...*

**CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, ODISHA  
WORKSHOP**

**on**

**“Computational Methods in Physics”**

**(9<sup>th</sup> to 17<sup>th</sup> May, 2018)**

**REPORT**

No. of Participants: 16

**NAME OF THE WORKSHOP: “Computational Methods in Physics”**

**DATE AND VENUE:** 9<sup>th</sup> to 17<sup>th</sup> May, 2018, Centurion University of Technology and Management (CUTM), Bhubaneswar campus.

**ABOUT RESOURCE PERSON:**

1. Dr. Harendra Singh is working as a Professor in DPMIE Behsuma. He has vast research experience in areas like Educational Technology, ICT in Education, Educational Leadership, Administration, Management Planning and Finance He has also published several articles in reputed international and national journals.
2. Dr. Vijendra Singh is working as a Scientist in the University of Petroleum and Energy Studies. He is specialised in research areas like Data Mining, Big Data, Machine Learning and Deep learning. He is very well known for the advanced articles published in various reputed international and national institutions.

**ABOUT THE SESSION:** The workshop was organized for the faculty of Department of Physics in SoET. Dr. Vijendra Singh discussed the lectures to be covered in this workshop and started his lecture on the new computational methods which were made by him and conducted an interactive session with the faculty members. The topics which were covered during this workshop were as follows:

- a. Basics of Numerical Analysis
- b. Solving Nonlinear Equations
- c. Matrix Methods
- d. Transformations of Functions and Signals
- e. Statistical Analysis and Modeling of Data
- f. Modeling and Analysis of Time Series

**OBJECTIVES:**

1. To impart fundamental and advanced computational methods in physics to the faculty members
2. To give training to the faculty about new computational methods

**OUTCOME:** The resource person Dr. Harendra Singh and Dr. Vijendra Singh was felicitated by Dr. Mukthi Prasad Mihra, President, CUTM. A formal vote of thanks given by the Head,

Department of Physics. At the end of the workshop the faculty members got an extensive knowledge on the innovative computational techniques in Physics.



**Computational Methods in Physics participants during the workshop**



**WORKSHOP  
ON**

**Computational Methods in Physics**

09-05-2018 to 17-05-2018

**Resource Person**  
**Dr. Harendra Singh**  
Professor of Education & Principal Director  
DPMIE Behsuma  
**Vijendra Singh**  
Scientist  
University of Petroleum and Energy Studies

*Organized by :*  
**Centurion University of Technology and  
Management**

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**Brochure of the event**

## Screenshot List of Participants:



### Centurion University of Technology and Management Workshop on "Computational Methods in Physics"

Date: 9<sup>th</sup> to 17<sup>th</sup> May, 2018

#### Attendance Sheet

Sl.No	Name of Participant	Signature
1	Dr. Padmaja Parnaik	Dr. Padmaja Pa
2	Dr. Saubhgyalaxmi Behera	Behera
3	Dr. Santosh Kumar Satpathy	Dr. Santosh Kumar Satapatly
4	Mr. Subhraj Panda	Subhraj Panda
5	Mrs. Nibedita Nayak	Nibedita Nayak
6	Ms. Anannya Dutta	Anannya Dutta
7	Dr. Sagarika Parida	Parida
8	Mr. Gyanranjan Mahalik	Gyanranjan Mahalik
9	Dr. Sitaram Swain	Dr. Sitaram Swain
10	Dr. Sasmita Rath (Contractual)	Dr. Sasmita Rath
11	Dr. Dojalisa Sahu	Dr. Dojalisa Saha
12	Dr. Ashish Kumar Sahoo	AMSaha
13	Dr. Goutam Kumar Mahato	gumaha
14	Dr. Swarnalata Jena	Dr. Swarnalata Jena
15	Mr. Kali Prasad Rath	Kali Prasad Rath
16	Mrs. Ananya Dash	Ananya Dash

*Prabhat K. Pattnaik*

Prabhat K. Pattnaik  
FDP Coordinator

*Dr. Prasanta Ku. Mohanty*

Dr. Prasanta Ku. Mohanty  
Dean Academic