WORKSHOP ON SURVEYING

Date: 15-11-2019 to 16-11-2019

Resource Person: Dr. Kamal Kumar Barik
Associate Professor
School of Engineering and Technology
CUTM, Odisha, India
Contact: 9439477770

No. of Participants: 59

Venue: Room No. - 03, Madhusudan Block

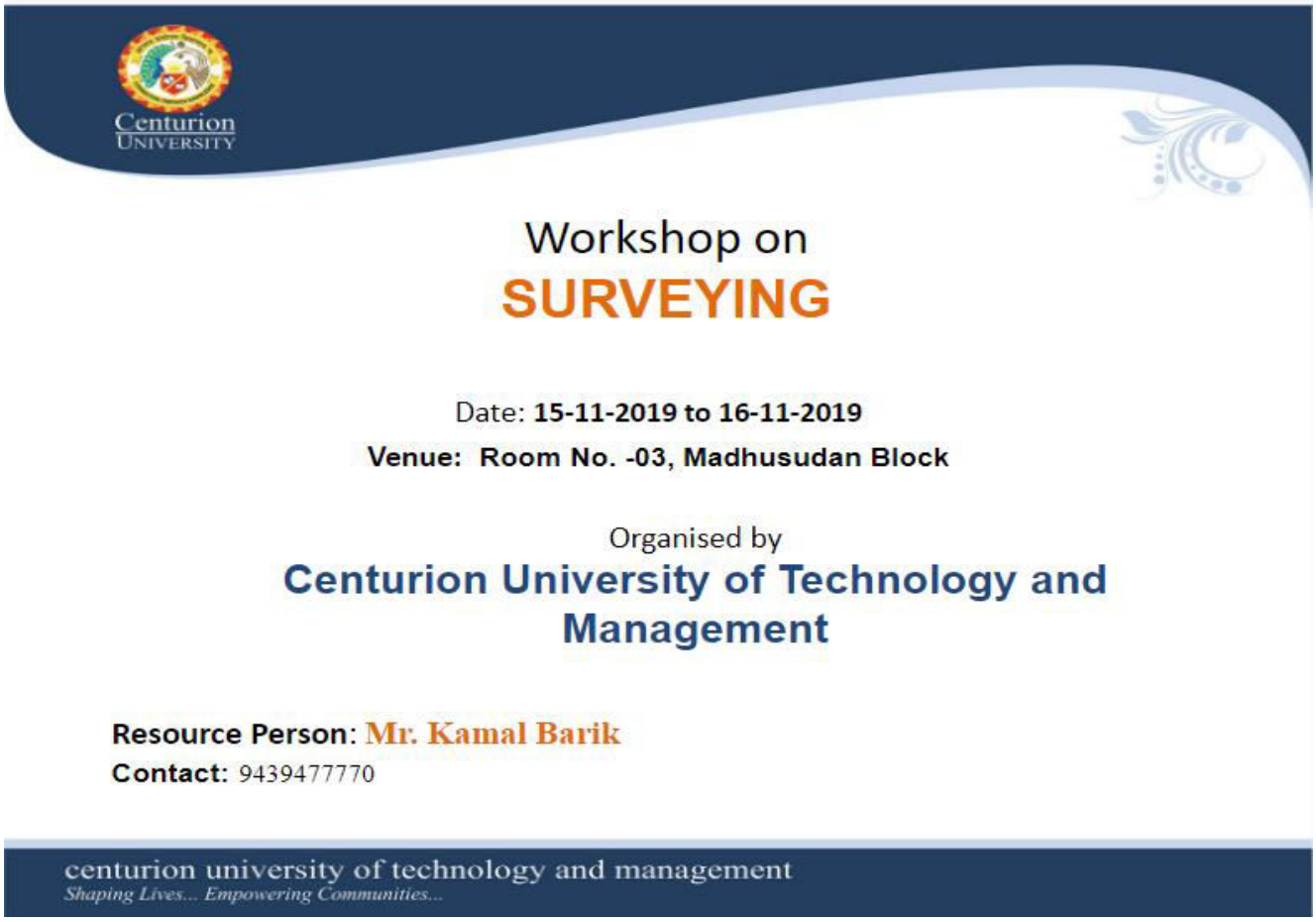
About the resource person: Dr. Kamal Kumar Barik is presently working as Associate Professor in Marine Research and Development under School of Maritime Studies cum HOD, Dept. of Civil Engineering, School of Engineering and Technology, CUTM, Bhubaneswar Campus. He did his Ph.D. at SRM University, Chennai in the field of Remote Sensing and GIS. He has more than 8 years of teaching experience at the PostGraduate level (M.Sc. and M.Tech.). Previously he served as a Lecturer / Assistant Professor at the Dept. of Earth Sciences, Sambalpur University. His area of expertise are ArcGIS, Erdas Imagine, QGIS and R to name a few.

About this workshop: This workshop provided the opportunity to the students to use Total Station. A total station or TST (total station theodolite) is an electronic/optical instrument used in modern surveying and building construction. The total station is an electronic theodolite (transit) integrated with an electronic distance meter (EDM) to read slope distances from the instrument to a particular point. Robotic total stations allow the operator to control the instrument from a distance via remote control. This eliminates the need for an assistant staff member as the operator holds the reflector and controls the total station from the observed point. The following are some of the major advantages of using total stations over the conventional surveying instruments: 1. Field work is carried out very fast. 2. Accuracy of measurement is high. 3. Manual errors involved in reading and recording are eliminated. 4. Calculation of coordinates is very fast and accurate. Even corrections for temperature and pressure are automatically made. 5. Computers can be employed for map making and plotting contour and cross-sections. Contour intervals and scales can be changed in no time. For workshop students were divided into groups (10 students per group) and each group performed the task of using a total station in the grounds of the University campus. After practical work students learned to conclude all the practical work in a map using Auto Plotter and Auto CAD. Overall the workshop was technically and practically sound and the long term expected result is to make students which will help them in building the path of their career.

Objective:

- To prepare maps using Survey instruments, Planning and design for construction and development
- Give students idea on the surveying tools and methods

Outcome: Participants will be familiarized with the working principle with the total station or TST (total station theodolite) for use in modern surveying and building construction.



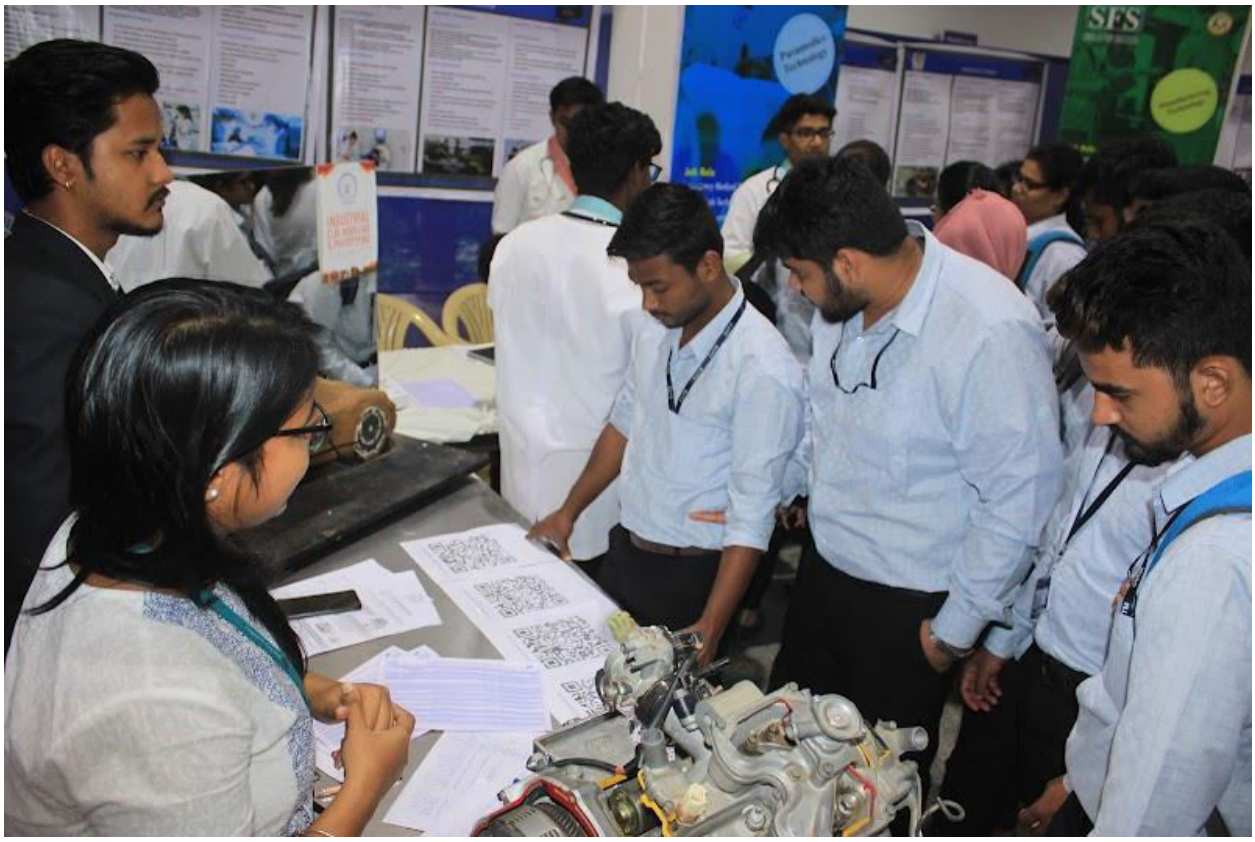


Figure: Clips from the Workshop on SFS Skill; Surveying

Participants List

Centurion University of Technology and Management

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Attendance Sheet

Sl.No	Name of Participant	Signature
1	Satya ranjan baral	Satya Ranjan baral
2	Shireen	Shireen
3	Soumya Sourav Barik	Soumya Sourav Barik
4	Sourav sambit	Sourav Sambit
5	Subasish Tripathy	Subasish Tripathy
6	Subham panigrahi	Subham Panigrahi
7	Sunita Rani Panda	Sunita Rani Panda
8	Suvam Mishra	Suvam Mishra
9	Swahil Suvam	Suchil Suvam
10	Vidhi shankara	Vidhi shankar
11	abhipsa dehury	Abhipsa Dehury
12	Abhipsa Manjaree pati	abhipsa dehury
13	Abhisek behera	Abhisek Behera
14	Abinash Pati	Abinash Pati
15	Agnish Pahari	Agnish Pahari
16	Alisha Mallick	Alisha Mallick
17	Ananya Anumita	Ananya Anumita
18	Ankit Kumar Pradhan	Ankit Kumar Pradhan
19	Arunima Nanda	Arunima Nanda
20	Ashutosh Das	Ashutosh Das
21	BHABANI SANKAR MALLICK	Bhabani Sankar Mallick
22	Bijay Kumar Panda	Bijay Kumar Panda
23	Biranchi Narayan Panigrahi	B. N. Panigrahi
24	Chandra sekhar ojha	Chandra Sekhar Ojha
25	Chinnapa Abhisekh	C. Abhisekh.
26	Debabrata Pradhan	Debabrata Pradhan
27	Debasmita sahoo	D. Sahoo

28.	Debesh Kumar Hota	Debesh Kumar Hota
29.	Deepjyoti Roy	Deepjyoti Roy
30.	Dibyajyoti pradhan	D. Pradhan
31.	Dinesh Dipti Ranjan Bhukta	Dinesh Dipti Ranjan Bhukta
32.	Elisha Dash	Elisha Dash
33.	Fayzan sadique	Fayzan sadique
34.	Hitankhi Biswal	Hitankhi Biswal
35.	Jyotsna Rani Behera	Jyotsna Rani Behera
36.	Kabita Bag	Kabita Bag
37.	Krishna Nayak	Krishna Nayak
38.	Lisha Rani Rout	Lisha Rani Rout
39.	Little Jena	Little Jena
40.	M.R.ANIKET	M.R. Aniket
41.	Mahima Behura	Mahima Behura
42.	Maniprasad Mishra	Maniprasad Mishra
43.	Manisha Behera	Manisha Behera
44.	MEENAVALLI MURALIKRISHNA	M. Muralikrishna
45.	Megharani Mishra	megharani mishra
46.	MILAN MAHAPATRA	Milan Mahapatra
47.	Monalisha kar	Monalisha Kar
48.	Pratyasha Satapathy	Pratyasha Satapathy
49.	Preet pratik acharya	Preet pratik acharya
50.	Pritinanda biswal	Pritinanda Biswal
51.	Priyanka priyadarshini pradhan	Priyanka Priyadarshini Pradhan.
52.	RAHUL RANA	Rahul Rana
53.	Rakesh Gahir	Rakesh Gahir
54.	Rani Kumari	Rani kumari
55.	Ritam Pattanayak	Ritam Pattanayak
56.	Rohan Kumar Saha	Rohan Kumar Saha
57.	Romit Swain	Romit Swain
58.	Rudraprasad mohanty	Rudraprasad Mohanty
59.	Rutuparna Mishra	Rutuparna Mishra
60.		
61.		

Dr. Prasanta Ku. Mohanty
Dean Academic

Prof. KVD Prakash
Dean - IIE & HRD