

प्रा. डॉ. जाधव आसाराम सीताराम
भूगोलशास्त्र विभाग,
तुळजाराम चतुरचंद महाविद्यालय, बारामती- पुणे
दिनांक ०५/०३/२०२२

प्रती,
मा. प्राचार्य,
तुळजाराम चतुरचंद महाविद्यालय, बारामती- पुणे
महोदय,

विषय: उद्योजकता विकास केंद्र अंतर्गत व्याख्यान घेण्याविषयी...

वरिल विषयानुसार उद्योजकता विकास केंद्र अंतर्गत भूगोल विभागांमार्फत "Hands on training Workshop on Advanced Surveying Techniques (Total Station and DGPS)" या विषयावर तीन दिवशीय कार्यशाळा (Hands-on Training Program) घेण्याचा विचार आहे. सदर ट्रेनिंग कोल्हापूर येथील K.I.T.'s College of Engineering हे Hands-on Training देण्याकरिता तयार आहेत. हे ट्रेनिंग ६ तास * ३ दिवस असे एकूण १८ तास असणार आहे. त्याकरिता त्यांची २५०००/- रुपये ट्रेनिंग फी व ५०००/- प्रवास भाडे असे एकूण ३०,०००/- खर्च येत आहे. याशिवाय दोन - तीन व्यक्तींची तीन दिवस जेवणाची व राहण्याची सोय करावी लागेल. सदर कार्यशाळा हि विद्यार्थ्यांसाठी उपयुक्त असल्याने ति घेण्यास परवानगी मिळावी हि नम्र विनंती

कळावे,

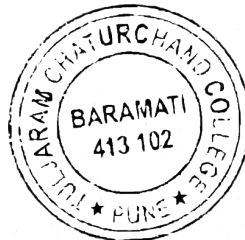
Recommended to
organize hands
on training
Program
under EDC cell
@C. K. Kulkarni

आपला विश्वासू

(A. J. J.)

प्रा. डॉ. जाधव आसाराम सीताराम

Allowed
R. J. J.



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Department of Geography

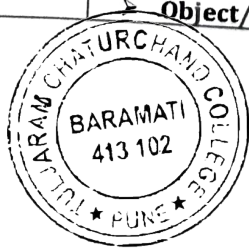
Organizes

Three Days "Hands on Training on Advance Surveying Techniques (Total Station and DGPS)"

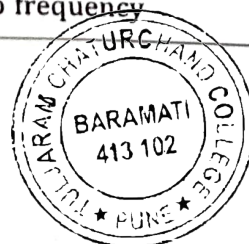
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Three Days Schedule

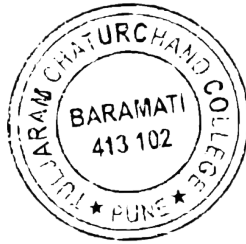
DAY ONE (21/03/2022)				
TIME	SESSION TYPE	TOPIC	VENUE	RESOURCE PERSON
10:00 am- 11:00 am		INAUGURATION		
11.00- 11.15 am		TEA BREAK		
11:15 am- 01:00 pm	Theory Session-1	Introduction to Total Station History of EDM technology Principles of Total Station Study of the Instrument and its parts: <u>Instrument features:</u> Job creating, Selecting Storing, View and editing, deletion etc. Temporary adjustments & Measurement functions <ul style="list-style-type: none"> ➤ <u>Basic Measurement functions:</u> (Quick Q-Survey) ➤ Horizontal & Vertical Angle, Horizontal & sloping Distance ➤ Measure Topo-polar and rectangular Coordinate 	Lecture Hall	Prof. S. S. Varur
01:00 - 2:00 p.m		LUNCH BREAK		
02:00 pm -06:00 pm	Practical Session-1	Hands on Exercise in field: <ul style="list-style-type: none"> ➤ Instrument setup -temporary adjustments ➤ Job Setup & Job Manage ➤ Function keys & parts of Instruments Basic Measurement/Quick Survey <ul style="list-style-type: none"> ➤ Station Setup-Orientation with Angle (known azimuth) ➤ Station Setup-orientation with coordinates (known Back Sight) ➤ Distance measurement (HD) & Vertical distance (V) ➤ Angle-Horizontal & Vertical Angle measurement ➤ Object/Point Measurement: 	Field	Prof. S. S. Varur & team



		<ul style="list-style-type: none"> ➤ By line and angle Measurement ➤ Rectangular Coordinates (N, E, Z or X, Y, Z) measurements 		
6 HOURS		TOTAL		
DAY TWO (22/03/2022)				
TIME	SESSION TYPE	TOPIC	VENUE	RESOURCE PERSON
9:30 am - 11:15 am	Theory Session-2	Measuring remote distance/Tie Distance/ Area/Remote Elevation Measurement Setting out (Staking out) Resectioning & Special functions: <ul style="list-style-type: none"> ➤ Re-sectioning (Free stationing) ➤ Data Inputting for setting out ➤ AUTOCAD coordinates preparation for computing coordinates 	Lecture Hall	Prof. S. S. Varur
11.15- 11.30	TEA BREAK			
11:30 am- 1:00 pm	Practical Session-2	Field: Hands on Exercise <ul style="list-style-type: none"> ➤ Tie Distance/ Remote Distance Measurement (RDM) Missing Line Measurement (MLM) ➤ Inputting origin Coordinates and base line determination ➤ Resectioning to obtain unknown station coordinates. 	Field	Prof. S. S. Varur
1:00 - 2:00 p.m	LUNCH BREAK			
02:00 pm -05:30 pm	Practical Session-3	Hands on Exercise in field: (contd....) <ul style="list-style-type: none"> ➤ Inputting Setting Out coordinates - Office and field inputs ➤ Recalling & Staking out points ➤ Setting out /staking out Coordinates on field. ➤ Storing stakeout points with R. Ls ➤ Saving in Memory field work data. ➤ Area, Remote object/Remote height 	Field	Prof. S. S. Varur
7 HOURS		TOTAL		
DAY THREE (23/03/2022)				
TIME	SESSION TYPE	TOPIC	VENUE	RESOURCE PERSON
9:30 am- 11:15 am	Lab Session-1	Drawing Work : <ul style="list-style-type: none"> ➤ TS Data exporting by USB/cable ➤ Preparation of Drawings from Total station data in AutoCAD Environment. ➤ Drawing in AutoCAD. DGPS/GNSS - Introduction & Principle, Projection systems DGPS- base settings Rover -RTK settings for radio frequency	Lab	Prof. S. S. Varur



11.15- 11.30		TEA BREAK		
11:30 - 1:00 pm	Practical Session-4	DGPS/GNSS <ul style="list-style-type: none"> ➤ DGPS – Base and Rover Settings ➤ Skyplot, satellite configuration, signal strength 	Field	Prof. S. S. Varur
01:00 - 02:00 pm	LUNCH BREAK			
2:00 - 3:00	Practical Session-5	DGPS/GNSS <ul style="list-style-type: none"> ➤ DGPS – Base and Rover Settings ➤ Field work- Measuring Lat-Long , elevation ➤ Long-Lat recording and saving. 		
03:30 - 04:30 pm	Theory & Lab Session-2	DGPS/GNSS <ul style="list-style-type: none"> ➤ DGPS – Data exporting ➤ Job & Long-Lat information saving. <p style="text-align: center;">Closing -in</p>	Cad Lab	Prof. S. S. Varur
6 HOURS		TOTAL		



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**Three Days "Hands on Training on Surveying Techniques
 (Total Station and DGPS)"**

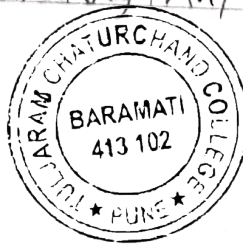
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Session Ist Attendances Sheet

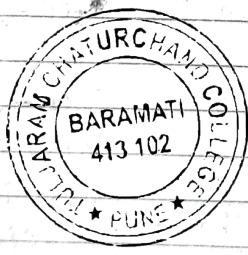
Date: 21/03/2022

Time: (11:15am to 1.00pm)

Sr.no	Name	Department	Signature
1)	Raskar Ajaykumar Bharat	Geo spe	ARaskar
2)	Sathe Sangeeta Abhimun	Geo spe	Sathe
3)	Waghmore Mauli Pitambar	Geo spe	Mauli
4)	lokhande sagar ghimrao	Geo-spe	lokhande
5)	Shaikh Saniya Ayyub	Geo-spe	Shaikh
6)	Shinde Rutika Ganesh	Geo-spe	Rshinde
7)	Bhagwat Tanuja Dattatray	Geo-spe	Bhagwat
8)	Dagade Pratiksha Chandrakant	Geo-spe	Dagade
9)	Rasal Punam Raju	Geo-spe	Rasal
10)	Machale Priyanka Ganesh	Geo-spe	Pmachale
11)	Harihar Megha Hanumant	Geo-spe	M.H. Harihar
12)	Sathe Harshada Hanumant	Geo-spe	Sathe
13)	Kadam Radhika Rajesh	Geo-spe	Kadam
14)	Mujawar Asbaz Tariyyab	Botany	Mujawar
15)	Metkari Tahir Hafiz	Botany	Metkari
16)	Dhumal Ushuajjeet Prashant	Botany	Dhumal
17)	Padalkar Manoj Ramdas	Geo-spe	Padalkar
18)	Khomane Sujit Sharadrao	Msc-II Geo.	Sujit
19)	Gholap Malhar Ganesh	TYBA. Geo	Gholap
20)	Khosat Bhima Ambadas	MA/Msc. II	Khosat
21)	Kolekar Komal Balasa	MA/Msc. Geo - II	Kolekar
22)	Sinha Dnyaneshwar Thorat	MA/Msc. Geo II	Sinha
23)	Raje Akshata Sagar	MA/Msc - II	Raje
24)	Rubnawar Snehal Dattatray	MA/Msc - I	Rubnawar



1	Dhurat Archana pandurang	MA/MSc I	Pchale
2	Bibe Chaitali Dnyandev	MA/MSc I	Chaitali Bibe
3	Poje Komal Balasaheb	MA/MSc I	H/Pchale
4	Tamboli Aisha shakti	MA/MSc I	Astamboli
5	Gawand minatshi Dnyandev	MA/MSc I	M. S. Gawand
6	Pawar Amol Balaso	MA/MSc I	AB. Pawar
7	Raut kiran Dnyandev	MA/MSc I	K.D. Raut
8	Shinde Shubham Balasaheb	MSc	Shinde
9	Waghmode Pallappa Shivaji	MSc I	
10	Kamble Anissa Ankush	MSc II	
11	Harihar Vaibhav Valmik	MA/MSc II	Vaidhar
12	Khedmode Ajay Ashok	MA/MSc II	Ab
13	Jagtup Akash Vijay	MA/MSc II	Jagtup
14	Anikare Sachin Vijay	MA/MSc I	Anikare
15	Patil Saurabh Narendra	M.Sc-II	Patil
16	Pawar Shivanjali Shasad	M.Sc-II	Pawar
17	Kaloke Rutuja Sanjay	M.Sc-II	Kaloke
18	Korate Rahul Bapu	TYBA	Korate
19	Korande Mahesh Gurb	TYBA	Korande
20	Ghodake Rohan Anil	TYBA	Ghodake
21	Naiknavare Suraj Mahadeo	TYBA	Suraj
22	Janed Pranav Kishineth	TYBA	Janed
23	Akshay Sudam Khomane	TYBA	Akshay
24	Samis Bhanu Dhanraj	TYBA/MSc	Samis
25	Patil Vaibhav Sunil	MSc-II	Patil
26	Sepral Kishor Balaso	MSc-I	Sepral



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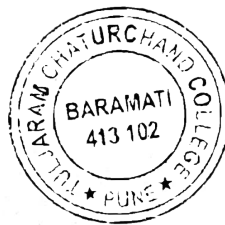
Three Days "Hands on Training on Surveying Techniques (Total Station and DGPS)"

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Session 3st Attendances Sheet

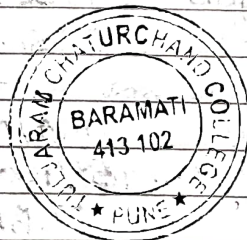
Date: 22/03/2022

Time: (09:30am to 01.00pm)

Sr.no	Name	Department	Signature
1]	Kshirsagar Abhishek Shivaji	Geography	Kshirsagar
2]	Pawar Abhayraj Nivrutti	-	Pawar
3]	Patil Vaibhav Sunil	MA/MSc-I	Patil
4]	Rupnagar Snehal Dattatray	MA/MSc-I	Rupnagar
5]	Khatmode Ajay Ashok	MA/MSc-II	Ajay
6]	Raje Akshata Sagar	MA/MSc-II	Raje
7]	Dhumal Archana Pandurang	MA/MSc-I	Dhumal
8]	Sapkal Kishor Balasa	MA/MSc-I	Sapkal
9]	Jagtap Vaishnavi Sanjay	S.Y.B.A	Jagtap
10]	Suthe Karjita Abhimanyu	S.Y.B.A Ge.	Suthe
11]	Telgaonkar Ravi Hivart	S.Y.B.A	Telgaonkar
12]	Ragkar Anant Kumar Bhatnagar	T.Y.B.A	Ragkar
13]	Gholap Malhar Ganesh	TYBA	Gholap
14]	Pawar Arun Shankar	Ty B.A	Pawar
15]	Mujawar Asbaz Taiyyab	M.Sc-II (Bot)	Mujawar
16]	Metkari Tahir Hafiz	M.Sc-II (Bot)	Metkari
17]	Dhumal Vishwajeet Prashant	MSc II (Bot)	Dhumal
18]	Jagtap Akash Vijay	MA/MSc - II	Jagtap
19]	Waghmore Mauli Pitambar	S.Y. Geo-spe	Waghmore
20]	Pawar Pratik Anil	T.Y.B.A	Pratik
21]	Kavale Aniket Balu	T.Y.B.A	Kavale
22]	Nemate Surej Chandrakant	T.Y.B.A	Nemate
23]	Bhagwat Tanuja Dattatray	T.Y.B.A	Bhagwat
24]	Dogade pratiksha Chandrakant	T.Y.B.A (Geo-spe)	Dogade



25	Rasal Punam Raju	TYBA	Rasal
26	Shaikh Samiya Ayyub	TYBA	Saikh
27	Shinde Rutika Ganesh	TYBA	Shinde
28	Kekar Komal Balaso	M.A/MSC GEO II	Kekar
29	Thorat Sneha Dnyaneshwar	MA/MSC GEO II	Thorat
30	Kamble Ajinkya Ankush	M.SC GEO II	Kamble
31	Vaibhav Valmik Hanihar	MA.MSC.II	Vaibhav
32	Shinde Shubham Balasaheb	MSC	Shinde
33	Pawar Amol Balaso	MA/MSC-I	Pawar
34	Raut Kiran Dnyaneshwar	MA/MSC I	Raut
35	Khore Bhrama Ambadas	MA/MSC II	Khore
36	Bibe Chaitali Dnyaneshwar	MA/MSC I	Bibe
37	Pote Komal Balasaheb	MA/MSC I	Pote
38	Khurane Sujit Shoradhar	MSC-II	Khurane
39	Padalkar Manoj Ramdas	MSC II	Padalkar
40	Tamboli Aisha Shakil	MSC I	Tamboli
41	Gawand minakshi Dnyaneshwar	MSC I	Gawand
42	Machale Priyanka Ganesh	TYBA	Machale
43	Hanihar Megha Hanumant	TYBA	M.H. Hanihar
44	Kadam Radhika Rajesh	TYBA	Kadam
45	More Bhanu Ramdas	TYBA	More
46	Jate Harabada Hanumant	TYBA	Jate
47	Dekhande sagar Bhanu	MSC	Dekhande
48	Waghmode Yashappa Shivaji	MSC I	Waghmode



Dr. Asaram S. Jadhav
Head, Department of Geography,
Tiljaram Chaturchand College,
Baramati.

Date -25/03/2022

To,
The Principal,
Tiljaram Chaturchand College,
Baramati.

Subject: - Completion report of Three days Hands on Training on Advance Surveying Techniques (Total Station & DGPS)

Respected Sir,

As mention above the subject, we have successfully conducted three days hands on training on advance surveying techniques (Total Station & DGPS). Total 132 students were enrolled for this training program out of these 50 students has been selected and successfully completed. This program held on 21st, 22nd and 23rd March 2022. Total 6 sessions were conducted for more than 20 hours.


On Monday, 21st March 2022 two sessions we conducted, first session was an introductory session of Total Station survey and in the second session did hands on exercise in the field.

Third and fourth sessions we conducted on Tuesday, 22nd March 2022, of resectioning and special functions (staking out) and hands on exercise of Differential Global Positioning System/ Global Navigation Satellite System in the field.

On the last day of this program session five and six were conducted about TS data exporting, DGPS data exporting and post processing using AUTOCAD software.

Thank you.




Head
Department of Geography
Tiljaram Chaturchand College
Baramati (Dist- Pune)