Certificate Course No.001

One Month Online Training on "Basics of Remote Sensing and GIS for Natural Resources"

July 1-31, 2021

About College:

The Govt. of Maharashtra established the College of Agricultural Engineering as one of the constituent colleges of Mahatma Phule Krishi Vidyapeeth, Rahuri, Dist. Ahmednagar on 29/03/1968 at its Pune Campus. The college was subsequently shifted to the central campus of the University at Rahuri in 1972. Subsequently, in the year 1996 it was named after the former Union Minister of State for Agriculture and architect of green revolution in India, Late Dr. Annasaheb Shinde, as Dr. Annasaheb Shinde College of Agricultural Engineering. The name of the college was extended as Dr. Annasaheb Shinde College of Agricultural Engineering and Technology in the year 2017.

Initially, the college offered the undergraduate programme in Agricultural Engineering leading to B. Tech. (Agril. Engg.) Degree with intake capacity of 20, which was increased phase wise to the current capacity of 64. The Masters programmes leading to M. Tech. (Agril. Engg.) in four different disciplines viz. Agricultural Process Engineering, Irrigation and Drainage Engineering, Soil and Water Conservation Engineering and Farm Machinery and Power were started in 1982 with intake capacity of 2 in each discipline which was subsequently increased to the current capacity of 4 in 2005.The college started doctoral programmes leading to Ph.D. (Agril. Engg.) in 2011.

The Department of SWCE is involved in teaching, research and extension education activities related to soil and water conservation and watershed planning development and management. The department is having well qualified and expert faculties in field of soil and water conservation engineering, watershed management, hydrology with advanced knowledge of remote sensing and GIS. The department is also having well developed watershed under Adarsha Gaon Yojna.

Background:

The B. Tech. (Agricultural Engineering) third year students have to complete credit (0+5) course of one month In-plant Training as part of their academic curriculum. Hence, considering the need of the students, Department of SWCE is organizing one month paid training for constituent and affiliated colleges of Agricultural Engineering from 1st July 2021.

Objectives:

- To provide basic knowledge remote sensing & GIS technique.
- To acquaint with use of geospatial technique.
- To get hands of experience to participant in natural resources mapping.
- To widen opportunities of participant towards higher studies and developing careers.

Who can apply?
Students of Third Year B. Tech. (Agril. Engg.) Who has given VI semester Examination, interested for learning remote sensing, GIS and GPS technologies.

Minimum Eligibility: Third Year student of B. Tech. (Agril. Engg.) from affiliated/ constituted college of agricultural university in Maharashtra.

Conduct of Training: Certificate training consists of 60 sessions of online lectures cum discussion, demonstrations, tutorials, case studies related to remote sensing and GIS technology for natural resources management.

Course content:

- Basics of remote sensing, GIS and GPS.
- Indian satellite programmes.
- Satellite, types
- Satellite images and sources of satellite data.
- Applications of geo informatics in natural resources management.
- GIS database and its standardization.
- GIS data types.
- Digitization
- Conversion of data.
- GPS working principal, GPS applications and use.

Project: Each participant has to complete one group project.

Evaluation: There will be evaluation of the candidates at the end of the each week, and final evaluation towards the end of the training.

Duration of Training:
July 1-31, 2021

No. Of Seats:
100 seats on "first come–first serve" basis.

Mode of Application:
The students who are interested for training can apply in prescribed proforma with recommendation letter of Principal which should consist of student name, Reg. No.

Those students who has applied for training need to pay training fee of **Rs. 3000/-** per student. Once the payment done successfully. He/she has to send details of payment (receipt) along with proforma and recommendation letter to headswcerahuri@gmail.com. On or before June 28, 2021. Then the students will get confirmation letter through email.

Course fee: Rs. 3000/- (Course fee including registration fee)

Account Details:
Account Name: Pay & Account Officer (SWCE) MPKV
Account No.40220417991
Branch: SBI, MPKV, Rahuri
IFSC Code:SBI0003239

Certificate:
After completion of training, trainees who have paid fee and completed training successfully with attendance more than 80 % will get certificate on his registered email.

Important Date:
Announce of Training : June 14, 20211
Last date of Application: June 28, 2021
Confirmation of participation: June 30, 2021

Expected Outputs:

- Trainees will be able to understand the basic concepts of geo-informatics technologies.
- Acquainted with the geo-informatics technologies for natural resources management and watershed planning.
- Skill development for design of multi-criteria geo-spatial systems for decision making to seek job opportunities in the field of geo-informatics.

Convener
Dr. D. D. Pawar
Associate Dean, Dr. A. S. College of Agril. Engg. &Technology, MPKV, Rahuri

Co-Convener
Dr. S. B. Nandgude
Professor & Head, Deptt. of SWCE,
Dr. A. S. College of Agril. Engg. &Technology, MPKV, Rahuri

Course Director
Dr. B. K. Gavit
Associate Professor, Deptt. of SWCE,
Dr. A. S. College of Agril. Engg. &Technology, MPKV, Rahuri

Joint-Course Director
Dr. A. A. Atre
Professor, Deptt. of SWCE,
Dr. A. S. College of Agril. Engg. &Technology, MPKV, Rahuri

Joint-Course Director
Dr. V. N. Barai
Professor, Deptt. of SWCE,
Dr. A. S. College of Agril. Engg. &Technology, MPKV, Rahuri

Proforma of Application for

One Month Online Training on "Basics of Remote Sensing and GIS for Natural Resources"

July 1-31, 2021

Name of Student	
Registration No.	
Name and address of College:	
Email ID:	
Mobile No.	
Payment details: (transaction ID, date and Bank	
Address:	
Sign of Student	