Training – Image Processing using Python				
Target Group – Professors, Scientists, RA, SF, YP-II, PG and Ph.D. Students				
Date of Training	11 th Jan – 15 th Jan, 2021			
Time	3.30 p.m. – 5.00 p.m.			
Location	CAE, JNKVV, JABALPUR			

1. Training Objective

Image Processing using Python Training Program under NAHEP-CAAST-CSDA Project.

2. Participants

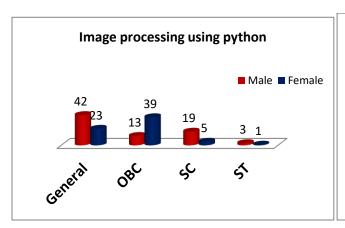
Coordinator - Dr. M.K. Awasthi, Co-PI, Dr. Sourabh Nema, Dr. Minakshi Meshram, Dr. Popat Shivaji Pawar, Dr. Umakant Rawat, Dr. Devendra Vasht, Pratiman Patel, Aniket Rajput, Anjali Patel, Rachit Nema, Krishna Singh, Pratima Pathak.

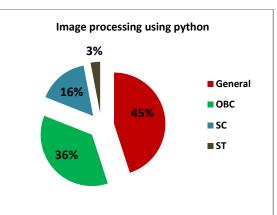
3. Contents of event

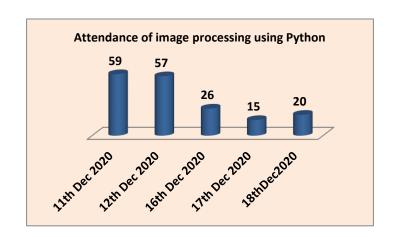
Date	Speaker	Course Topic			
8 th Dec 2020 (Day 1)	Mr. Sathish Singh	Satellites image vs. normal image			
9 th Dec 2020 (Day 2)	Mr. Sathish Singh	Libraries specific to satellite image			
10 th Dec 2020 (Day 3)	Mr. Sathish Singh	Introduction to rasterio			
11 th Dec 2020 (Day 4)	Mr. Sathish Singh	Satellite image processing using rasterio			
12 th Dec2020 (Day 5)	Mr. Sathish Singh	Rasterio, rasterstates, geopandas, geoplots, Fiona, matplotlip, pandas, numpy			
Discussion with	Image processing has b	been used to create weird and beautiful			
participants	modification to pictures many of us have seen online. Older black and white photos can be brought to life using colorization techniques. Color photos can be made to look like old black and white photos. We will create python application that reads of a list of images, modifies their size and appearance and saves the images in another directory.				
Impact of training	One hundred forty five participants registered for the course and out of these fifty nine students have undergone attend the training on the subject. Total male participants were 77 and female participants 68. Percentage of participants in different category was UR- 45%, SC-16%, ST- 3% and OBC- 36%. The image processing is too big to comprehend. It has been backbone of many industry including Deep learning. It is used across multiple places.				

Gender & Category wise Distribution of Participants-

Number of registered participants				% of participants in diff. category					
Category	General	OBC	SC	ST	Total	General	OBC	SC	ST
Male	42	13	19	03	77	55	17	25	3
Female	23	39	05	01	68	34	57	8	1
Total	65	52	24	04	145	45	36	16	3







Date	Attendance
11 th Dec 2020	59
12 th Dec 2020	57
16 th Dec 2020	26
17 th Dec 2020	15
18 th Dec2020	20

