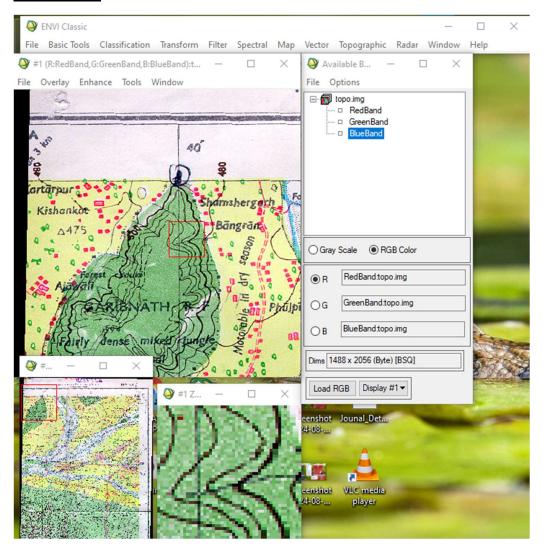
SRIMAYA MOHAPATRA ,244104010

LAB 3 ASSIGNMENT

CE 593 ADVANCED REMOTE SENSING

Georeference a Toposheet

GCP IMAGE



GCP IMAGE TO MAP

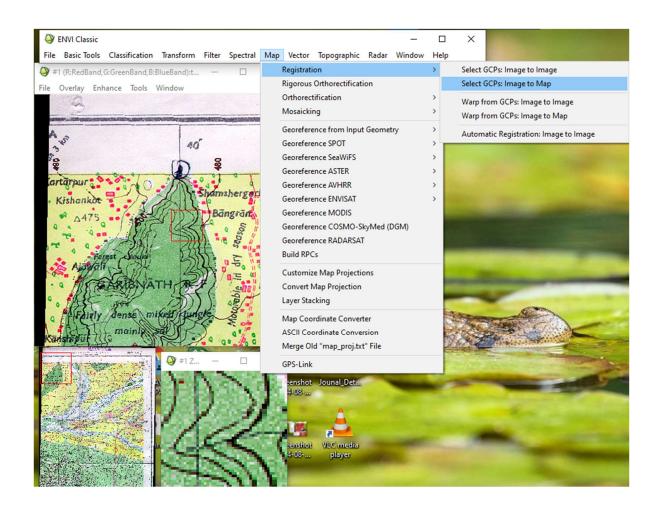
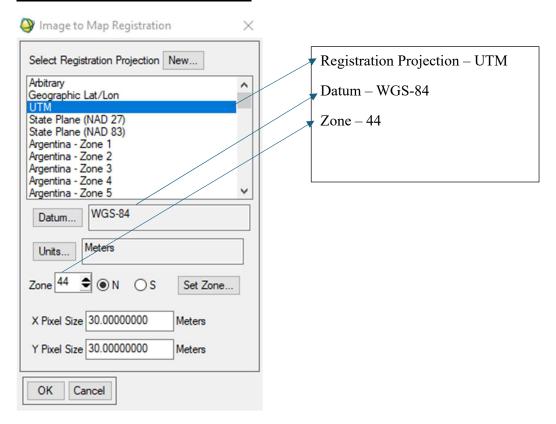
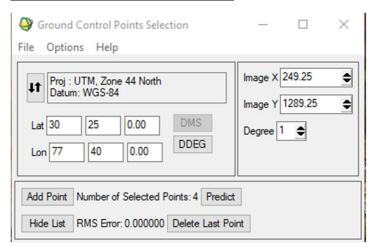


IMAGE TO MAP REGISTRATION



LAT. LON. OF GCP SELECTION

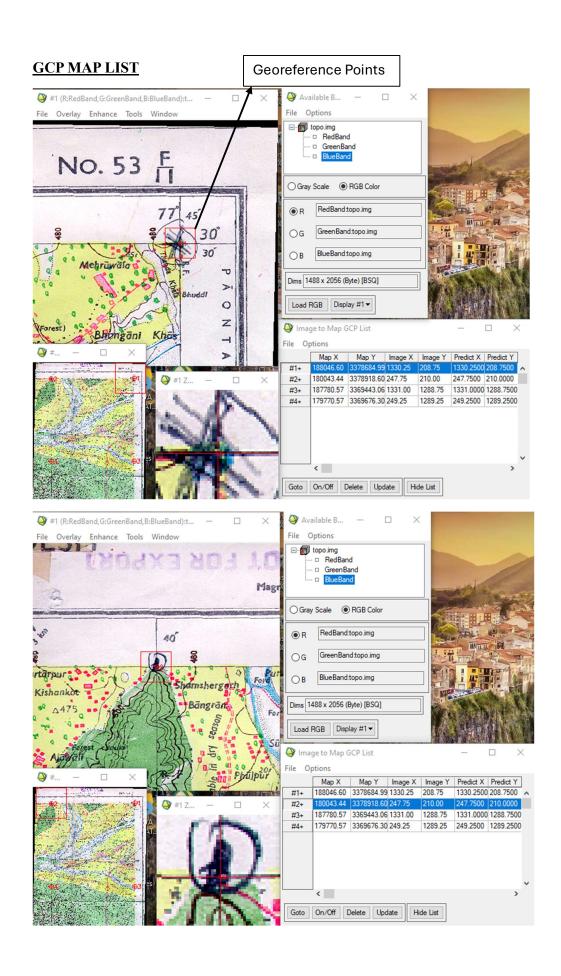


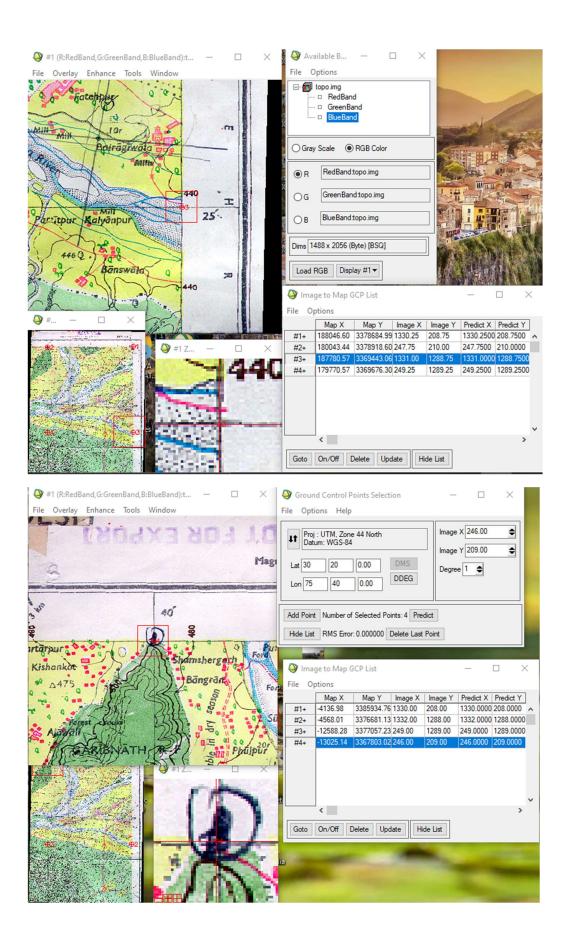
LAT	LON
$30.30^{0} N$	77.45 ⁰ E
$30.30^{0} N$	77.40° E
30.25 ⁰ N	77.45 ⁰ E
30.25^{0} N	77.40° E
	30.30 ⁰ N 30.30 ⁰ N 30.25 ⁰ N

SHOW LIST

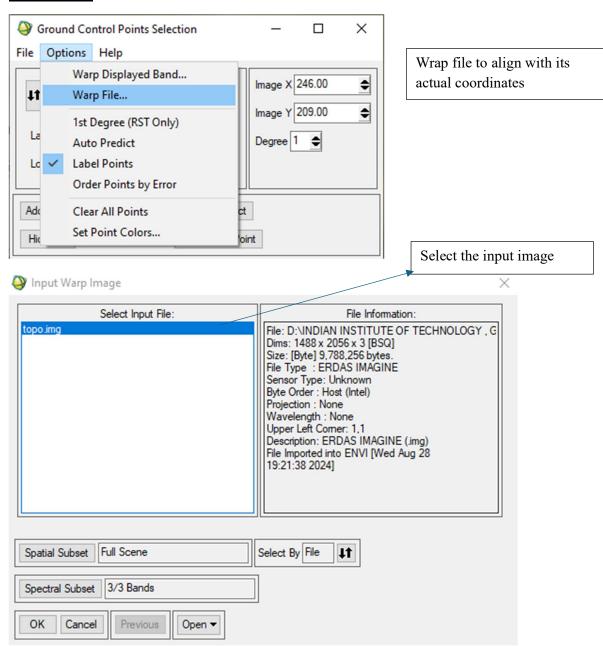
	Image X	Image Y	Predict X	Predict Y	Error X	Error Y	
#1+	1330.25	208.75	1330.2500	208.7500	0.0000	-0.0000	0.
#2+	247.75	210.00	247.7500	210.0000	0.0000	-0.0000	0.
#3+	1331.00	1288.75	1331.0000	1288.7500	-0.0000	0.0000	0.
#4+	249.25	1289.25	249.2500	1289.2500	-0.0000	-0.0000	0.

To check the RMS error and to select the points

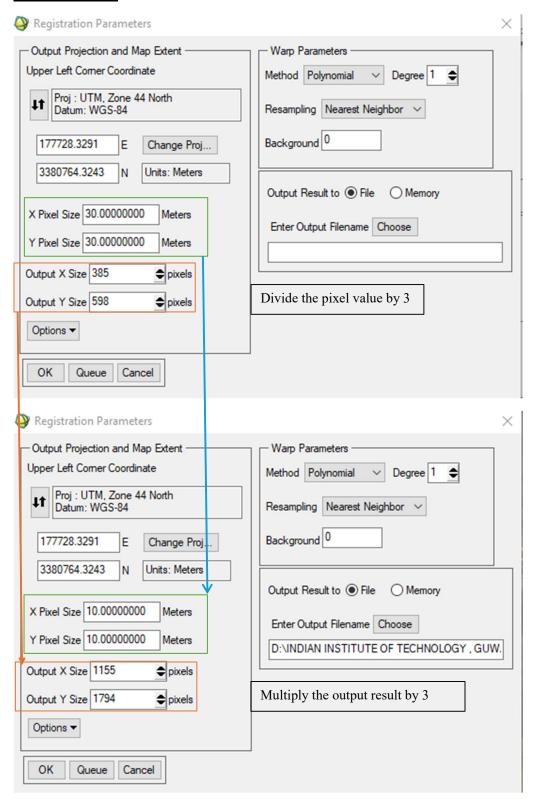




WRAP FILE

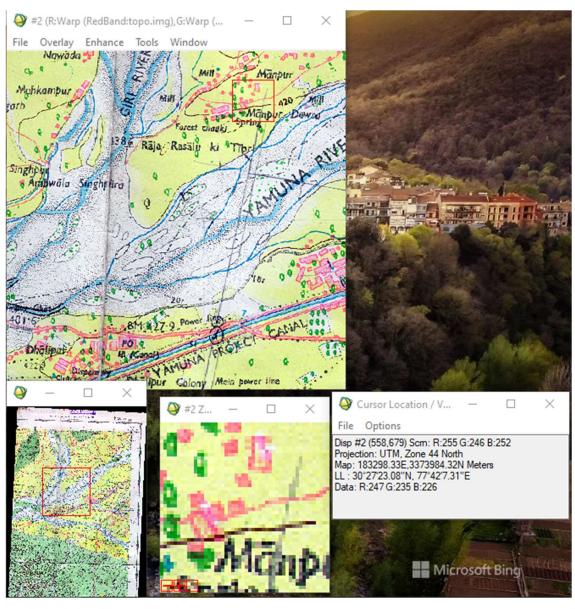


PARAMETERS



Interpolation – For better spatial Resolution

POLYNOMIAL METHOD

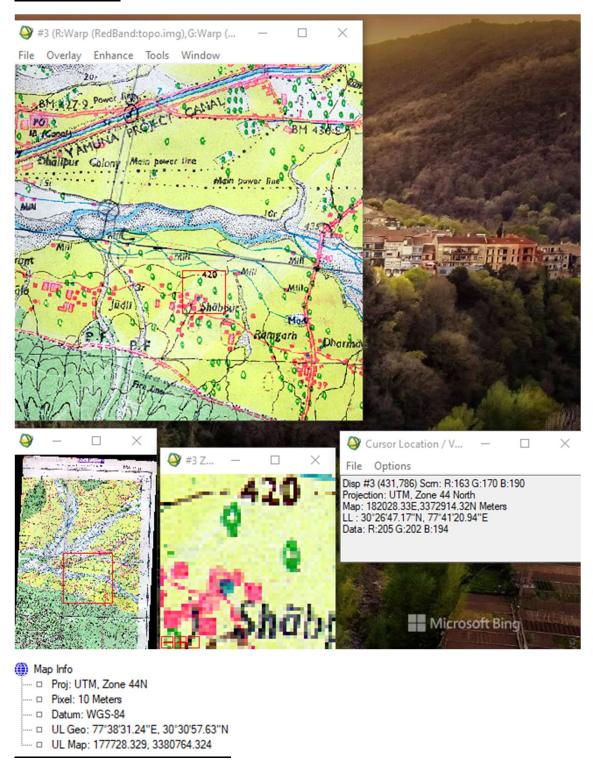


Map Info

--- Proj: UTM, Zone 44N
--- Pixel: 10 Meters
--- Datum: WGS-84

□ UL Geo: 77°38'31.24"E, 30°30'57.63"N
□ UL Map: 177728.329, 3380764.324

RMS METHOD



BYLINEAR METHOD

..... UL Map: 177728.329, 3380764.324

