

ADVANCED GEO INFORMATICS



B. SRAVANI,
REG NO. 2190200268,
B.PLAN 2nd YEAR 4th SEMESTER,
DEPARTMENT OF PLANNING



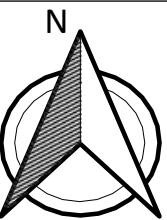
योजना तथा वास्तुकला विद्यालय, विजयवाड़ा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education Gov. of India

CONTENTS

1. NEIGHBOURHOOD BASE MAP.....	1
2. TOPOLOGY CHECKER MAPPING.....	2
3. THEMATIC MAP (WARDWISE POPULATION-2011).....	3A
4. THEMATIC MAP (WARDWISE WORKING POPULATION-2011).....	3B
5. LISS III SENSOR BANDS-KARNATAKA.....	4
6. COLOR COMPOSITES-LISS III BANDS.....	5
7. COMPOSITE TILES-LISS III.....	6
8. MOSAICING-LISS III TILES.....	7
9. SURFACE ANALYSIS-SLOPE MAP OF COIMBATORE.....	8
10. SURFACE ANALYSIS-ASPECT MAP OF COIMBATORE.....	9
11. SURFACE ANALYSIS-CONTOUR MAP OF COIMBATORE.....	10
12. SURFACE ANALYSIS-HILLSHADE MAP OF COIMBATORE.....	11
13. NDVI MAP OF COIMBATORE (2013-17).....	12
14. NDWI MAP OF COIMBATORE (2013-17).....	13
15. LULC CLASSIFICATION SUPERVISED (2013).....	14
16. LULC CLASSIFICATION UNSUPERVISED (2013).....	15
17. LAND SURFACE TEMPERATURE (2021).....	16
18. HYDROLOGY ANALYSIS-WATERSHED DELINEATION.....	17
19. HYDROLOGY ANALYSIS-WATERSHED DELINEATION.....	18
20. 3D NEIGHBOURHOOD BASE MAP-QGIS.....	19

NEIGHBOURHOOD BASE MAP

KEY MAP-GONEPADU, KAIKALURU



SCALE: 1:2500

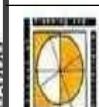
LOCATION: GONEPADU,
KAIKALURU, ANDHRA
PRADESH-INDIA
AREA: 0.12 sq.km
POPULATION: 700

LEGEND

— Contour	Plot boundary
■ buildings	Water bodies
■ Outside building	Commercial
■ Boundary	Open
● Vegetation	Public
— Main road	Residential
— Street	Play ground

SOURCE: OPEN STREET MAP,
SATELLITE IMAGERY

B.SRAVANI,
REG NO. 2190200268,
ADVANCE GEO INFORMATICS,
B.PLAN 2ND YEAR, 4TH SEM,
DEPARTMENT OF PLANNING



योजना तथा वास्तुकला विद्यालय, विजयवाडा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education Gov. of India

SHEET NO.
01



TOPOLOGY CHECK-MAPPING

KEYMAP - GONEPADU,KAIKALURU



LOCATION: GONEPADU,
KAIKALURU,ANDHRA
PRADESH-INDIA
AREA : 0.12 sq.km
POPULATION : 700



LEGEND

— PRIMARY ROAD	[Green Box]	RECREATIONAL SPACE
— LOCAL ROAD	[Red Box]	ERRORS
■ BUILDINGS	[Grey Box]	
■ WATERBODIES	[Blue Box]	
	[Yellow Box]	SETTLEMENT AREA

Topology Checker Panel		
Error	Layer	Feature ID
0: overlaps: BUILDING USE	BUILDING USE	81
1: overlaps: BUILDING USE	BUILDING USE	89
2: overlaps: BUILDING USE	BUILDING USE	120
3: overlaps: BUILDING USE	BUILDING USE	131
4: overlaps: BUILDING USE	BUILDING USE	147

SOURCE : OPEN STREET MAP
SATELLITE IMAGERY

NAME : B.SRAVANI
REG.NO - 2190200268
ADVANCE GEO-INFORMATICS
B.PLAN 2ND YEAR , 4TH SEM
DEPARTMENT OF PLANNING

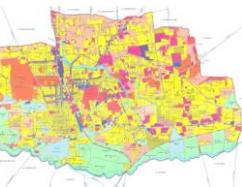


योजना तथा वास्तुकला विद्यालय, विजयवाडा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education Gov. of India

SHEETNO.
02

THEMATIC MAP

KEY MAP-COIMBATORE, TAMIL NADU, INDIA

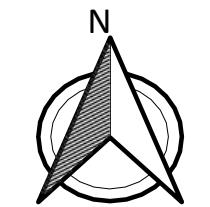


LOCATION: COIMBATORE,
TAMIL NADU, INDIA

AREA: 105 sq.km

POPULATION: 1050721

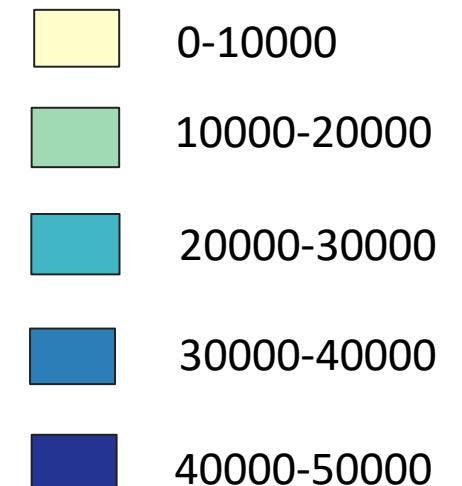
NUMBER OF WARDS-72



SCALE: 1:60000

LEGEND

WARD WISE POPULATION



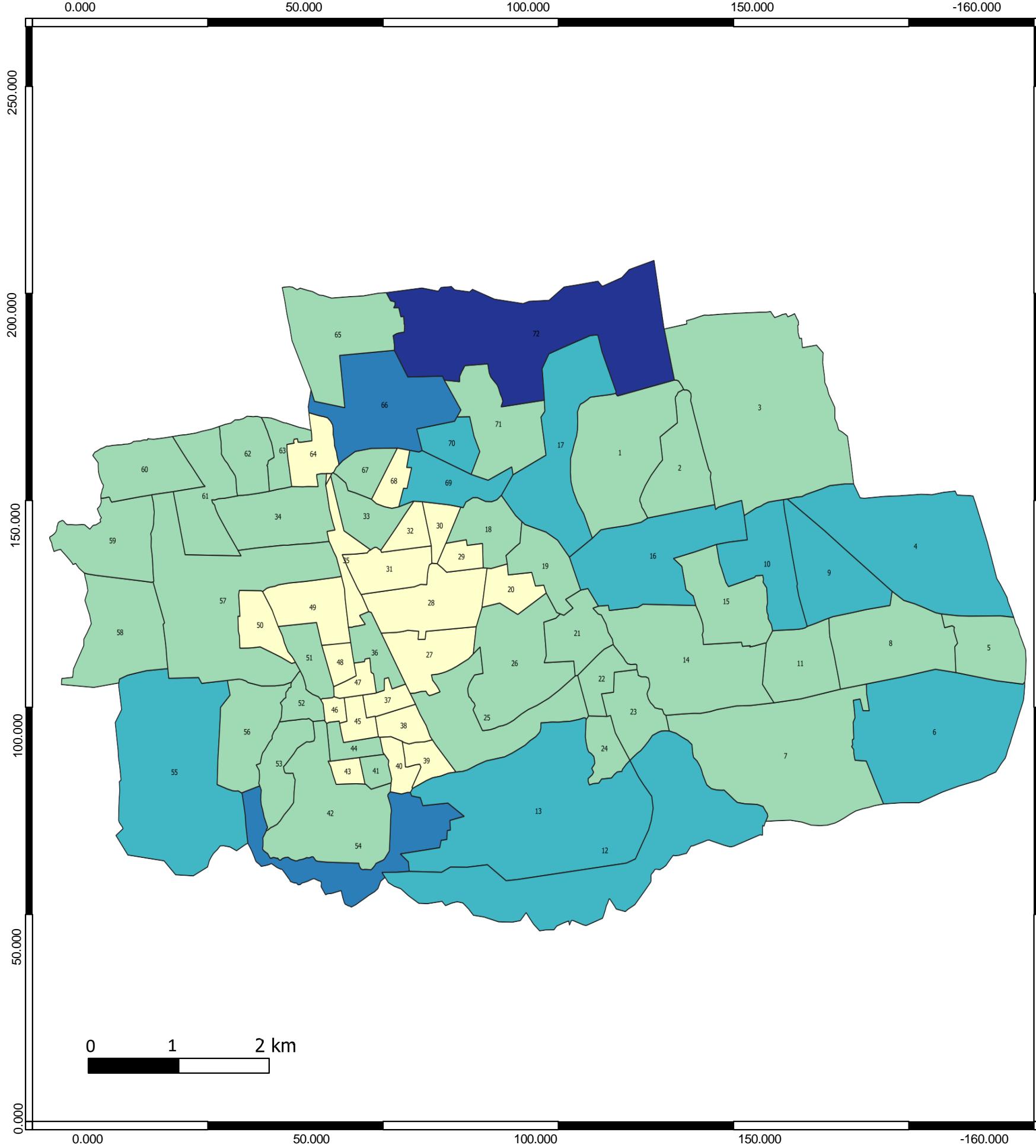
SOURCE: www.github.com,
www.censusofindia.com(2011)

**B.SRAVANI,
REG NO. 2190200268,
ADVANCE GEO INFORMATICS,
B.PLAN 2ND YEAR, 4TH SEM,
DEPARTMENT OF PLANNING**



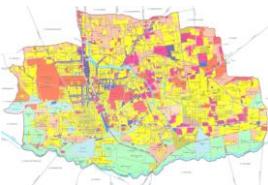
योजना तथा वास्तुकला विद्यालय, विजयवाडा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education Gov. of India

SHEET NO.
3A



THEMATIC MAP

KEY MAP-COIMBATORE, TAMIL NADU, INDIA

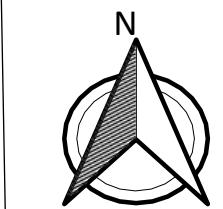


LOCATION: COIMBATORE,
TAMIL NADU, INDIA

AREA: 105 sq.km

POPULATION: 1050721

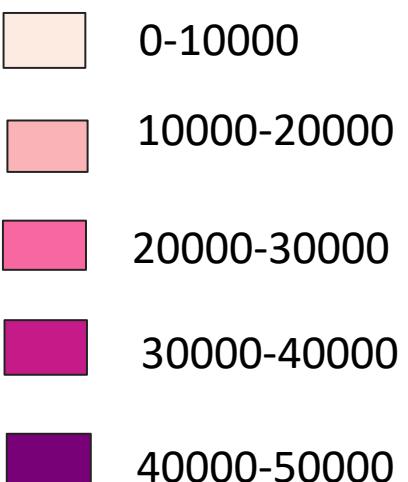
NUMBER OF WARDS-72



SCALE: 1:60000

LEGEND

WARD WISE WORKING POPULATION



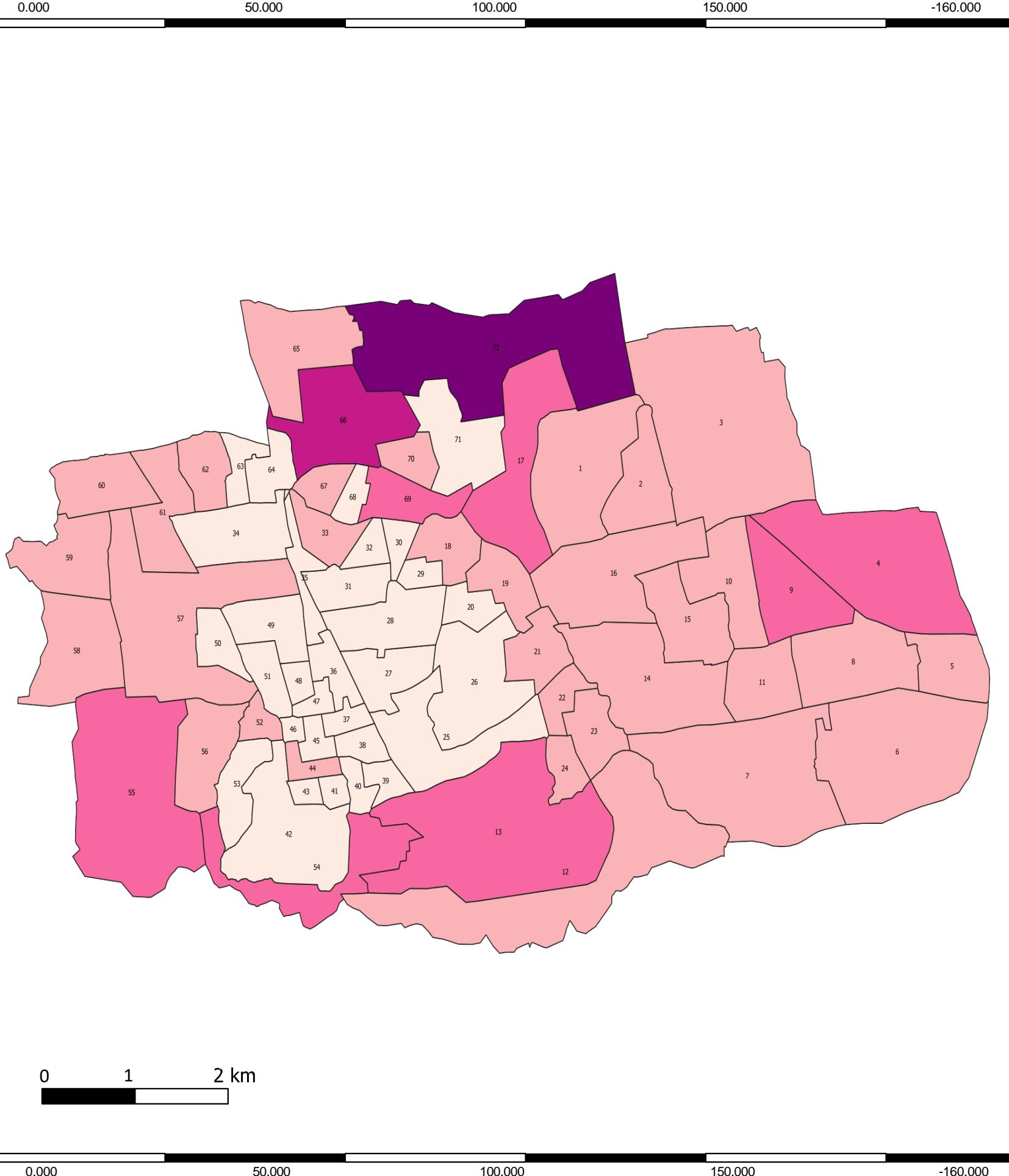
SOURCE: www.github.com,
[www.censusofindia.com\(2011\)](http://www.censusofindia.com)

**B.SRAVANI,
REG NO. 2190200268,
ADVANCE GEO INFORMATICS,
B.PLAN 2ND YEAR, 4TH SEM,
DEPARTMENT OF PLANNING**



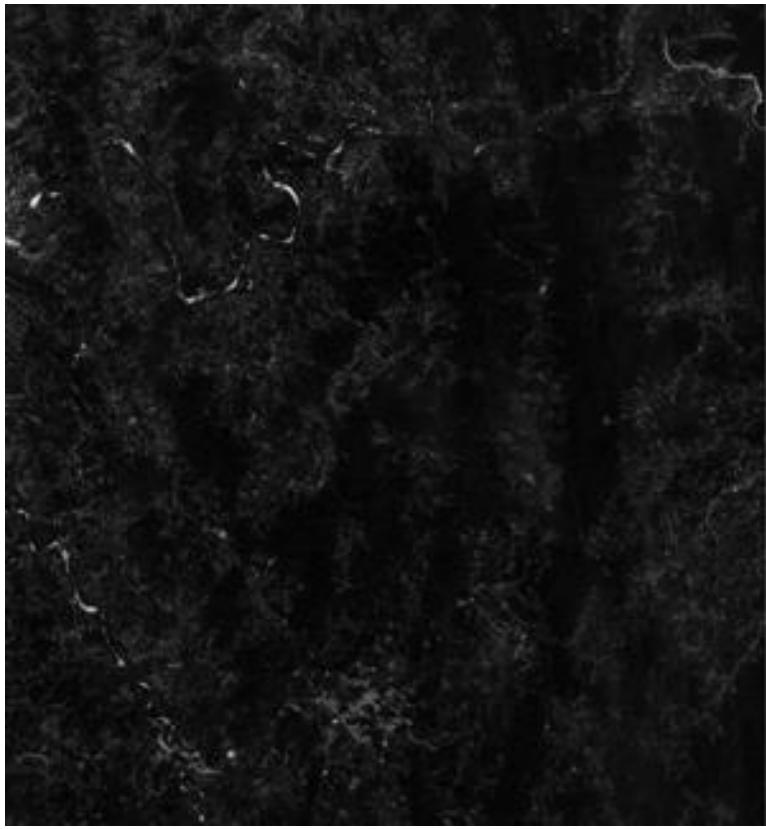
योजना तथा वास्तुकला विद्यालय, विजयवाडा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education Gov. of India

SHEET NO.
3B

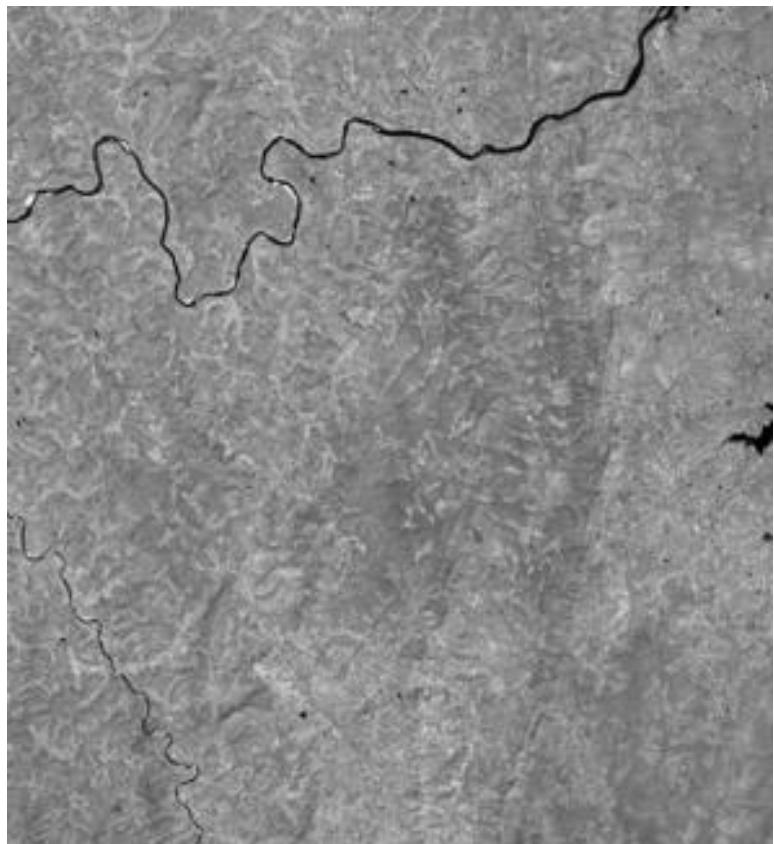




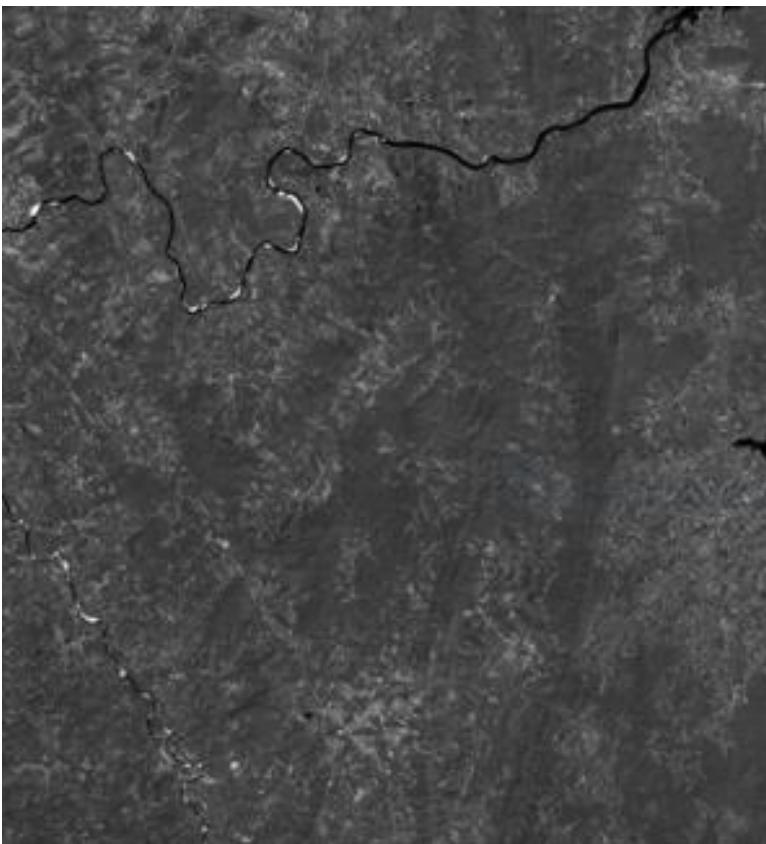
BAND 1



BAND 2



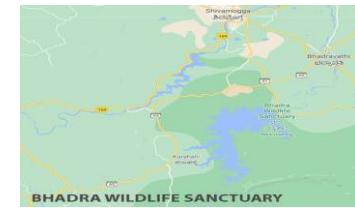
BAND 3



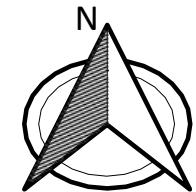
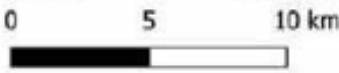
BAND 4

LISS III SENSOR BANDS KARNATAKA, INDIA

KEY MAP-KARNATAKA,INDIA



SCALE: 1:200000



LEGEND

BAND2

	52
	171

BAND4

	40
	306

BAND3

	30
	216

BAND5

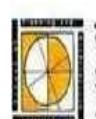
	23
	336

SOURCE: BHUVAN

SENSOR/SATELLITE: resourcesat 1
/ resourcesat2:LISS III

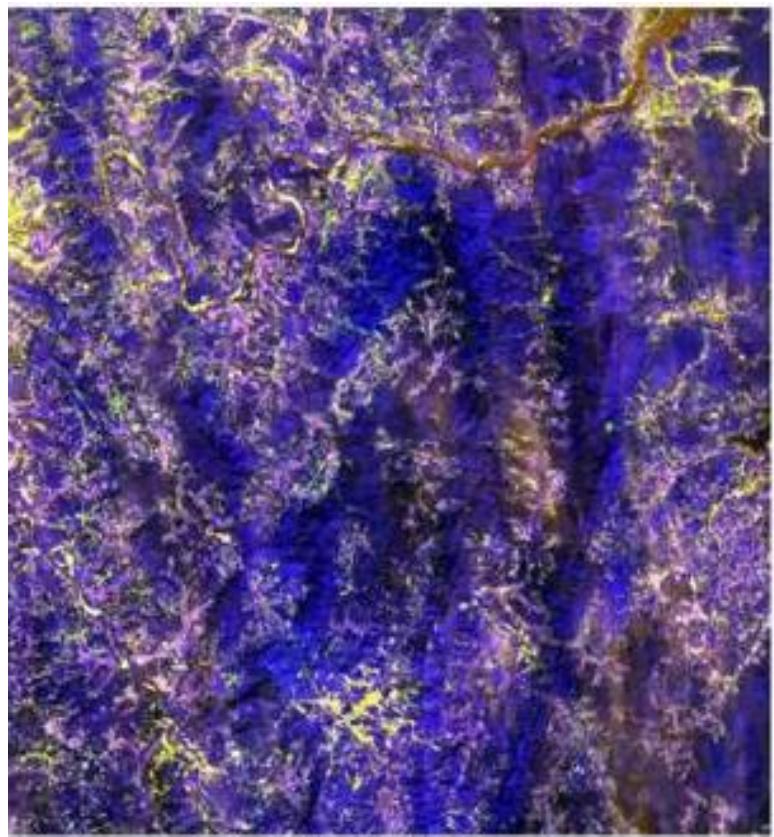
DATE: 10 November 2018

**B.SRAVANI,
REG NO. 2190200268,
ADVANCE GEO INFORMATICS,
B.PLAN 2ND YEAR, 4TH SEM,
DEPARTMENT OF PLANNING**



योजना तथा वास्तुकला विद्यालय, विजयवाडा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education Gov. of India

SHEET NO.
04



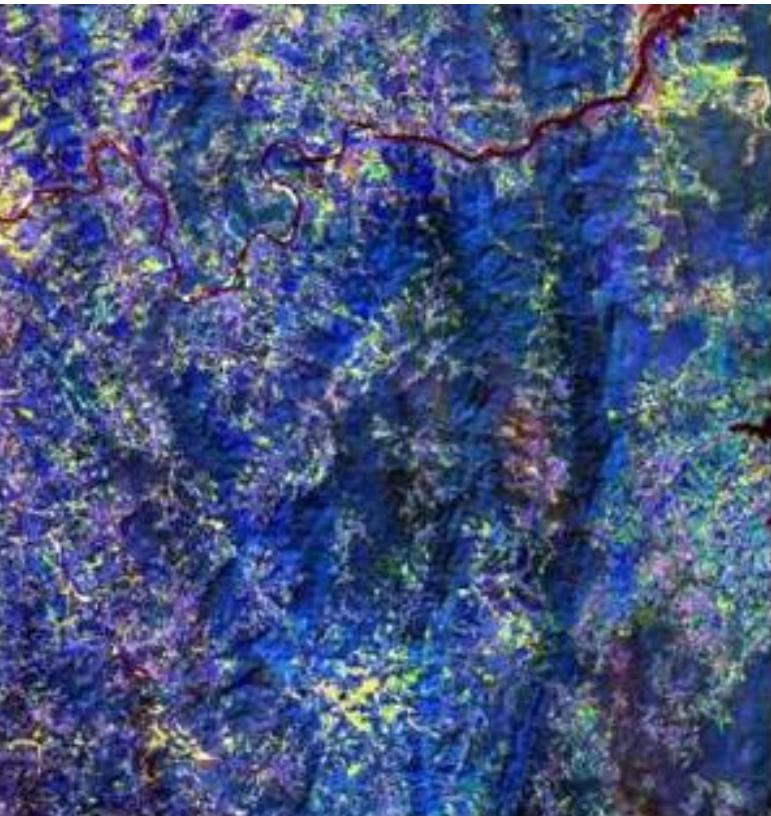
COMPOSITE 1



COMPOSITE 2



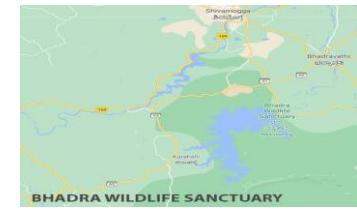
COMPOSITE 3



COMPOSITE 4

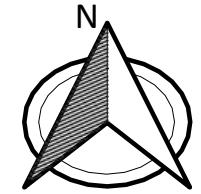
COLOUR COMPOSITES LISS III BANDS

KEY MAP-KARNATAKA,INDIA



SCALE: 1:200000

0 5 10 km



LEGEND

COMPOSITE 1

- RED-BAND 1
- GREEN-BAND 2
- BLUE-BAND 3

COMPOSITE 2

- RED-BAND 4
- GREEN-BAND 3
- BLUE-BAND 2

COMPOSITE 3

- RED-BAND 3
- GREEN-BAND 2
- BLUE-BAND 4

COMPOSITE 4

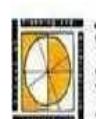
- RED-BAND 2
- GREEN-BAND 4
- BLUE-BAND 3

SOURCE: BHUVAN

SENSOR/SATELLITE: resourcesat 1
/ resourcesat2:LISS III

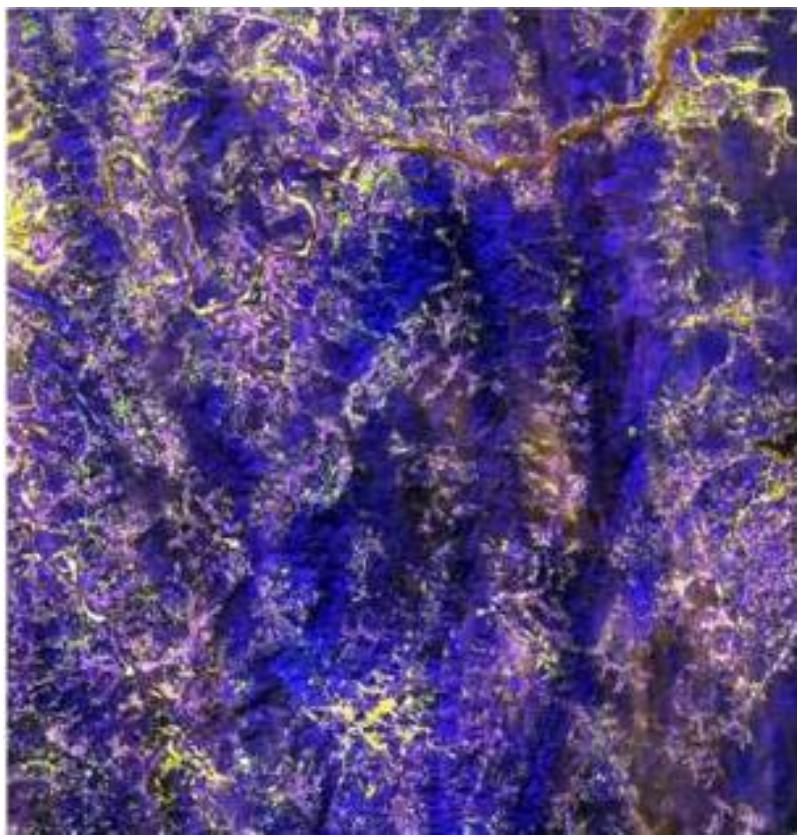
DATE: 10 November 2018

B.SRAVANI,
REG NO. 2190200268,
ADVANCE GEO INFORMATICS,
B.PLAN 2ND YEAR, 4TH SEM,
DEPARTMENT OF PLANNING

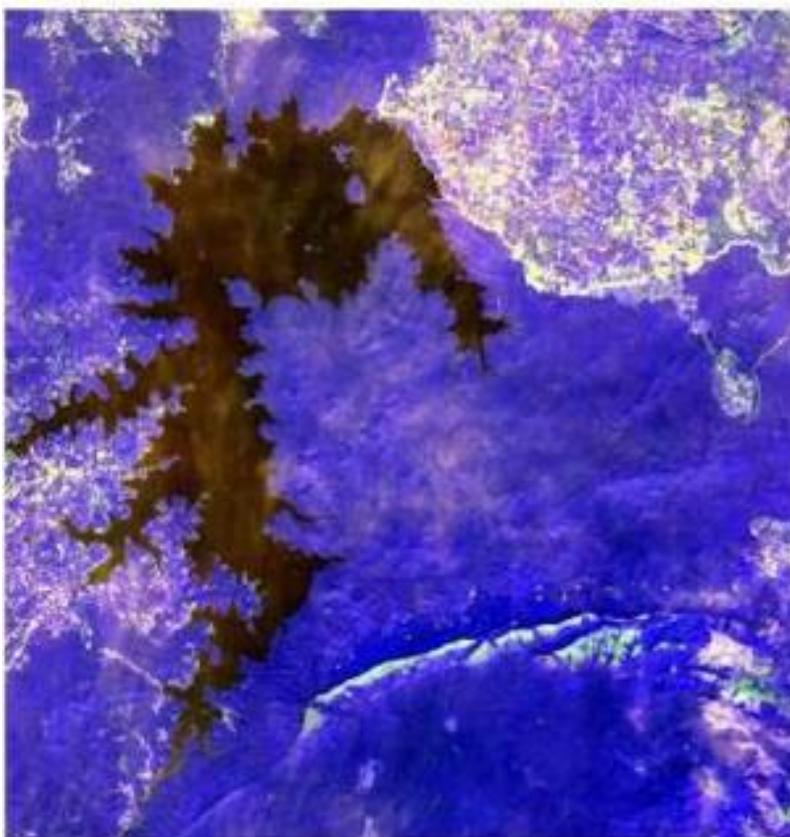


योजना तथा वास्तुकला विद्यालय, विजयवाडा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education Gov. of India

SHEET NO.
05



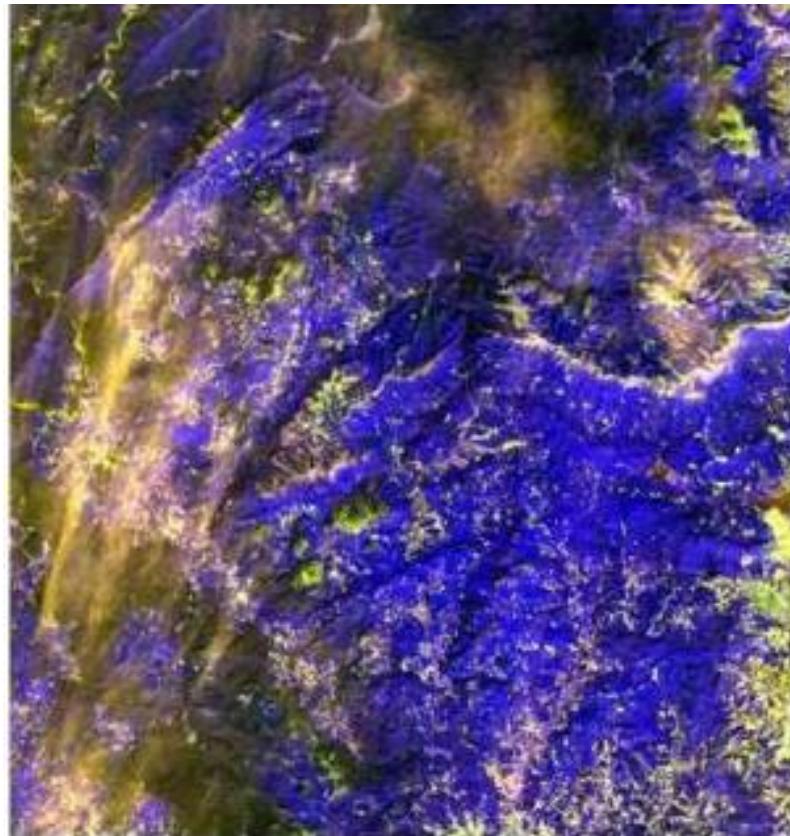
TILE 1



TILE 2



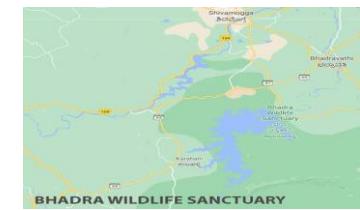
TILE 3



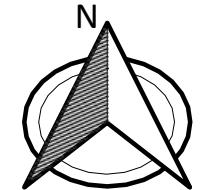
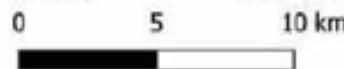
TILE 4

COMPOSITES TILES LISS III

KEY MAP-KARNATAKA,INDIA



SCALE: 1:200000



LEGEND

TILE 1

- RED-BAND 1
- GREEN-BAND 2
- BLUE-BAND 3

TILE 2

- RED-BAND 1
- GREEN-BAND 2
- BLUE-BAND 3

TILE 3

- RED-BAND 1
- GREEN-BAND 2
- BLUE-BAND 3

TILE 4

- RED-BAND 1
- GREEN-BAND 2
- BLUE-BAND 3

SOURCE: BHUVAN

SENSOR/SATELLITE: resourcesat 1
/ resourcesat2:LISS III

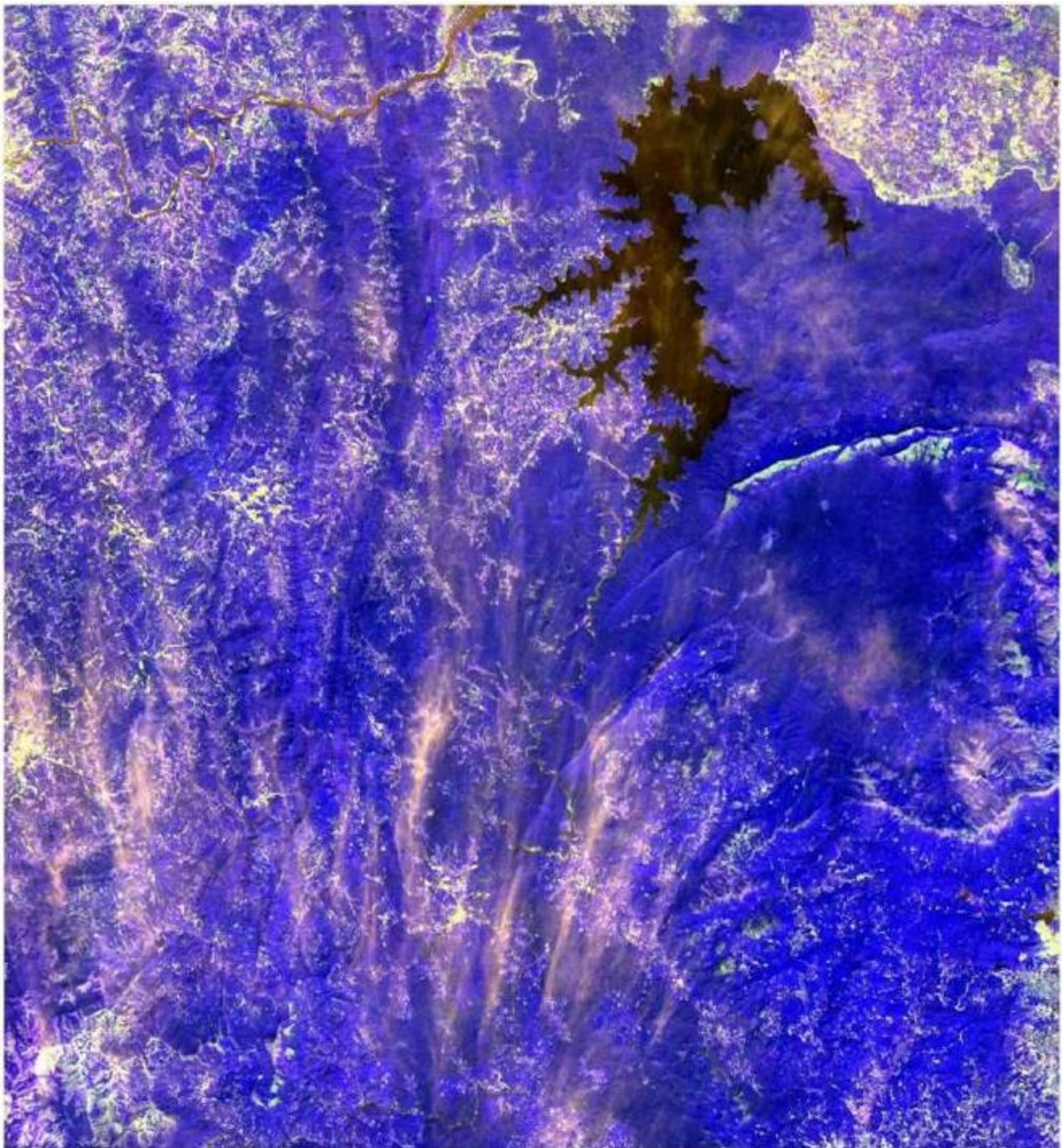
DATE: 10 November 2018

**B.SRAVANI,
REG NO. 2190200268,
ADVANCE GEO INFORMATICS,
B.PLAN 2ND YEAR, 4TH SEM,
DEPARTMENT OF PLANNING**



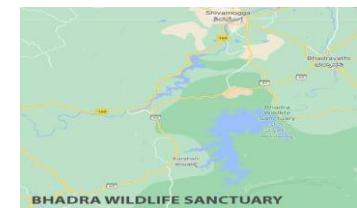
योजना तथा वास्तुकला विद्यालय, विजयवाडा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education Gov. of India

SHEET NO.
06



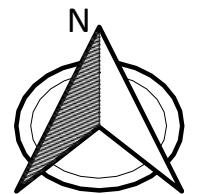
MOSAICING- LISS III TILES

KEY MAP-KARNATAKA,INDIA



SCALE: 1:200000

0 5 10 km



LEGEND

TILE



RED-BAND 1



GREEN-BAND 2



BLUE-BAND 3

SOURCE: BHUVAN

SENSOR/SATELLITE: resourcesat 1
/ resourcesat2:LISS III

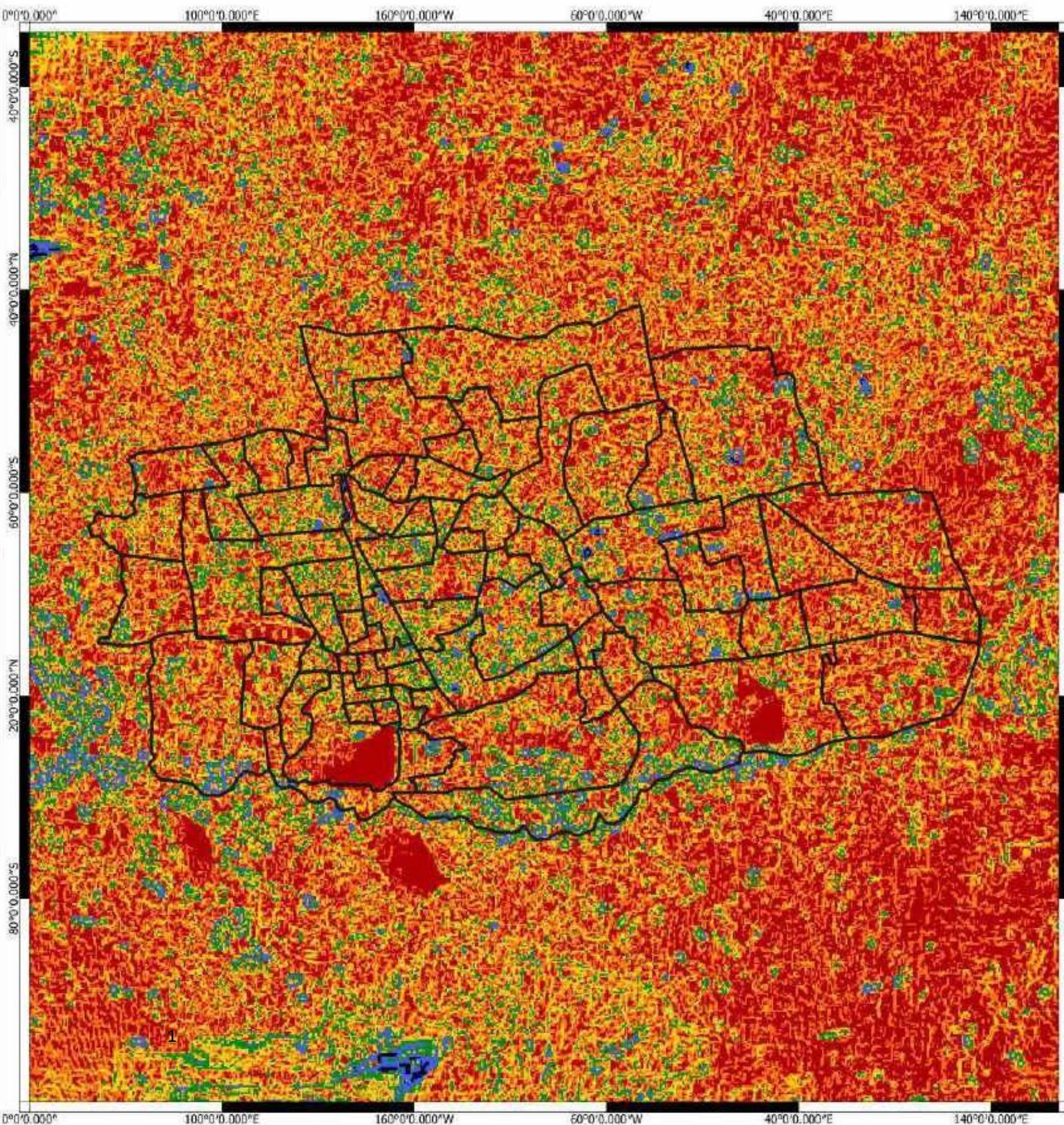
DATE: 10 November 2018

**B.SRAVANI,
REG NO. 2190200268,
ADVANCE GEO INFORMATICS,
B.PLAN 2ND YEAR, 4TH SEM,
DEPARTMENT OF PLANNING**



योजना तथा वास्तुकला विद्यालय, विजयवाडा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education Gov. of India

SHEET NO.
07



SURFACE ANALYSIS SLOPE MAP OF COIMBATORE

KEYMAP - COIMBATORE CITY



SCALE 1:50000



SOURCE : BHUVAN

LEGEND

- | | |
|--|--------------------------|
| <input type="checkbox"/> | COIMBATORE WARD BOUNDARY |
| ■ | $\leq 1^\circ$ |
| ■ | $1^\circ - 2^\circ$ |
| ■ | $2^\circ - 4^\circ$ |
| ■ | $4^\circ - 8^\circ$ |
| ■ | $8^\circ - 18^\circ$ |
| ■ | $> 18^\circ$ |

SENSOR/SATELLITE: CARTOSAT-1
SATELLITE/CartoDEM V3-R1

LOCATION : COIMBATORE, TAMIL NADU

NAME : B.SRAVANI

REG.NO - 2190200268

ADVANCE GEO-INFORMATICS

B.PLAN 2ND YEAR , 4TH SEM

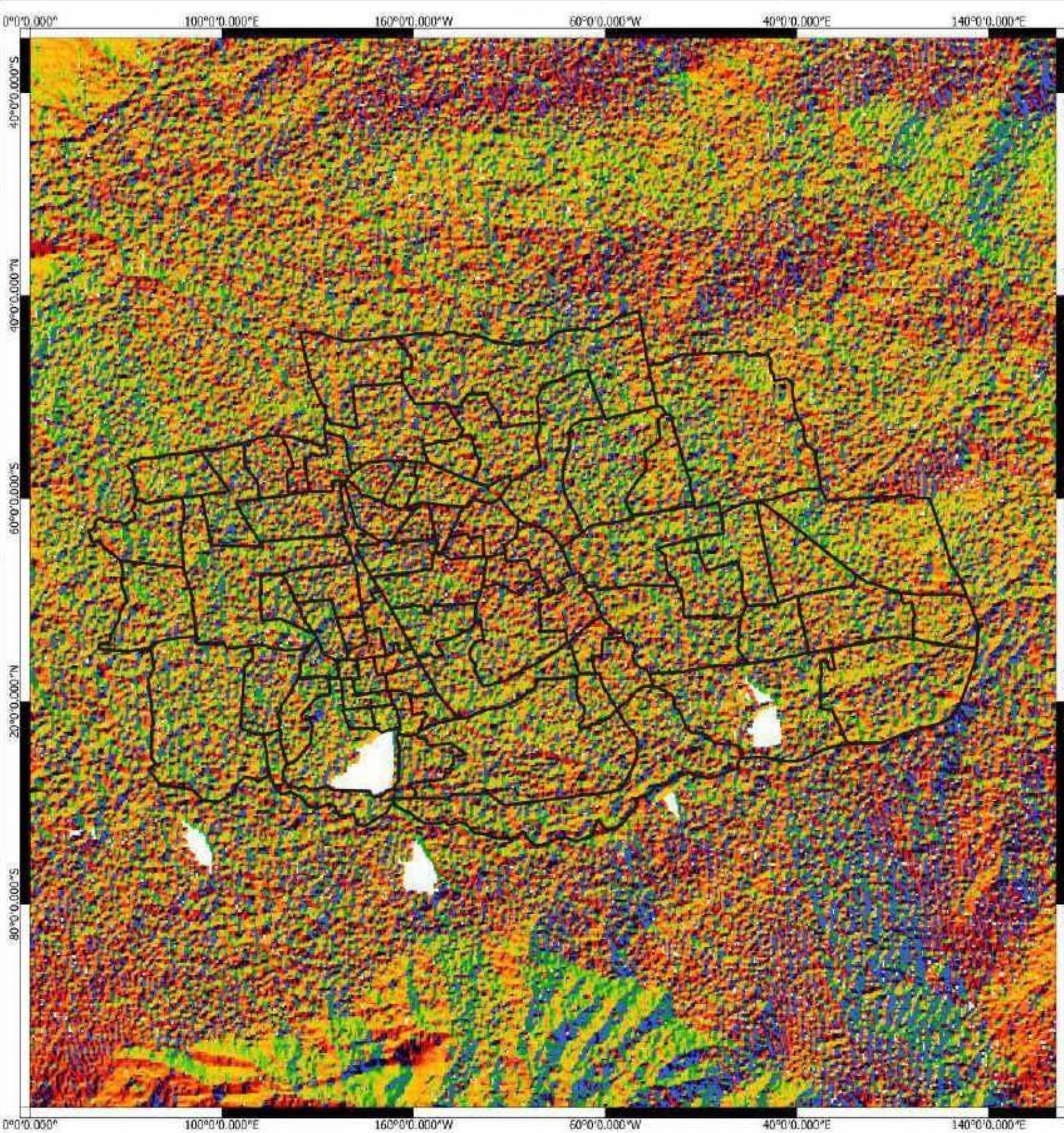
DEPARTMENT OF PLANNING



योजना तथा वास्तुकला विद्यालय, विजयवाडा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education Govt. of India

SHEETNO.
08

SURFACE ANALYSIS ASPECT MAP OF COIMBATORE



KEYMAP - COIMBATORE CITY



SCALE 1:50000



SOURCE : BHUVAN

LEGEND

COIMBATORE WARD BOUNDARY

0-22.5-NORTH	202.5-247.5-SOUTHWEST
22.5-67.5-NORTHEAST	247.5-292.5-WEST
67.5-112.5 EAST	292.5-337.5-NORTHWEST
112.5-157.5-SOUTHEAST	337.5-360-NORTH
157.5-202.5 -SOUTH	-1-FLAT

SENSOR/SATELLITE: CARTOSAT-1
SATELLITE/CartoDEM V3-R1

LOCATION : COIMBATORE, TAMIL NADU

NAME : B.SRAVANI

REG.NO - 2190200268

ADVANCE GEO-INFORMATICS

B.PLAN 2ND YEAR , 4TH SEM

DEPARTMENT OF PLANNING



योजना तथा वास्तुकला विद्यालय, विजयवाडा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education Govt. of India

**SHEETNO.
09**

SURFACE ANALYSIS CONTOUR MAP OF COIMBATORE

KEYMAP - COIMBATORE CITY



SCALE 1:50000



SOURCE : BHUVAN

LEGEND

- COIMBATORE WARD BOUNDARY
- CONTOUR (30M INTERVAL)

SENSOR/SATELLITE: CARTOSAT-1
SATELLITE/CartoDEM V3-R1

LOCATION : COIMBATORE, TAMIL NADU

NAME : B.SRAVANI

REG.NO - 2190200268

ADVANCE GEO-INFORMATICS

B.PLAN 2ND YEAR , 4TH SEM

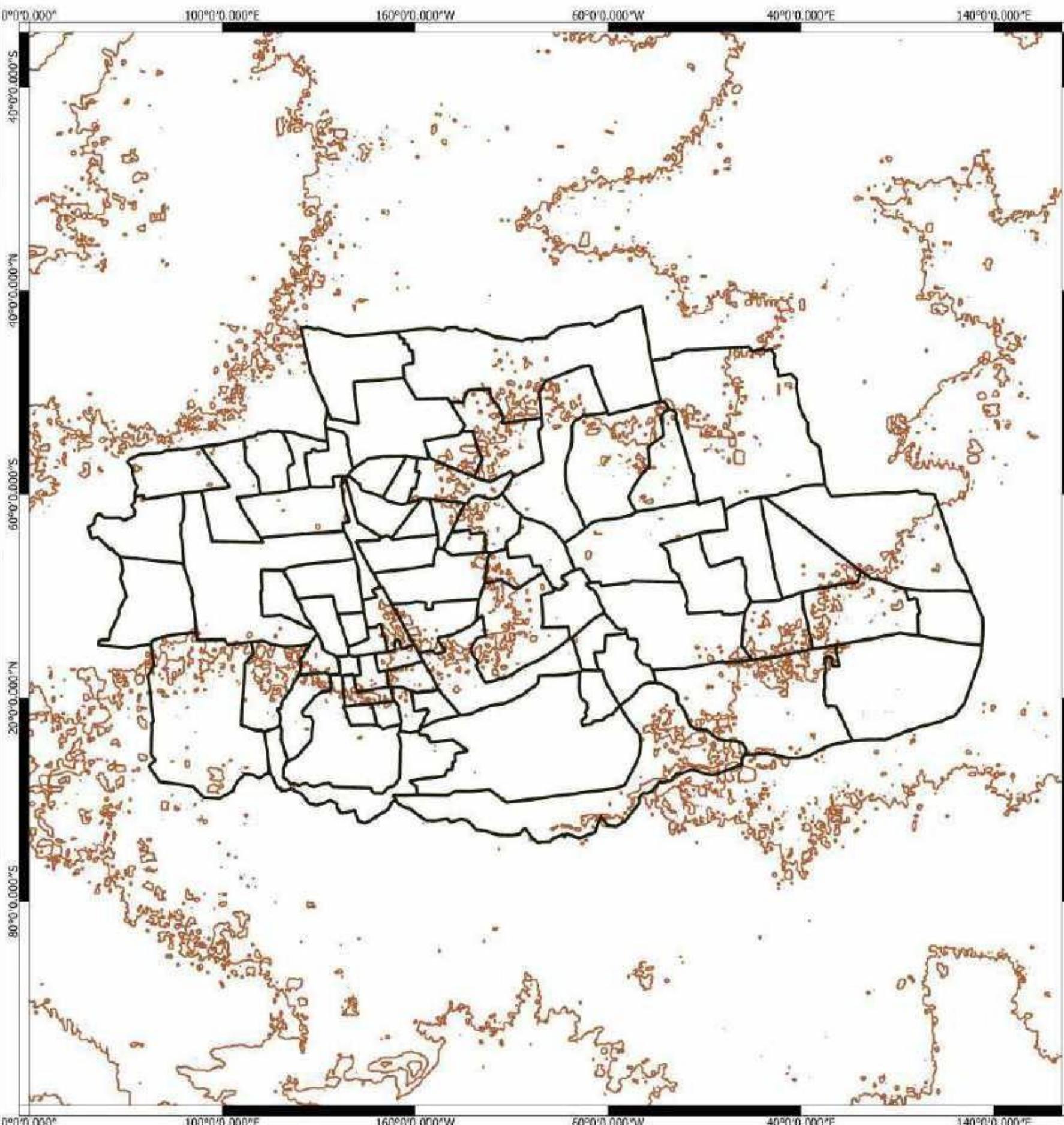
DEPARTMENT OF PLANNING



योजना तथा वास्तुकला विद्यालय, विजयवाडा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education Govt. of India

SHEETNO.

10





SURFACE ANALYSIS

HILLSHADE MAP OF COIMBATORE

KEYMAP - COIMBATORE CITY



SCALE 1:50000



SOURCE : BHUVAN

LEGEND

- COIMBATORE WARD BOUNDARY
- HILLSHADE**
- 1
- 255

SENSOR/SATELLITE: CARTOSAT-1
SATELLITE/CartoDEM V3-R1

LOCATION : COIMBATORE, TAMIL NADU

NAME : B.SRAVANI

REG.NO - 2190200268

ADVANCE GEO-INFORMATICS

B.PLAN 2ND YEAR , 4TH SEM

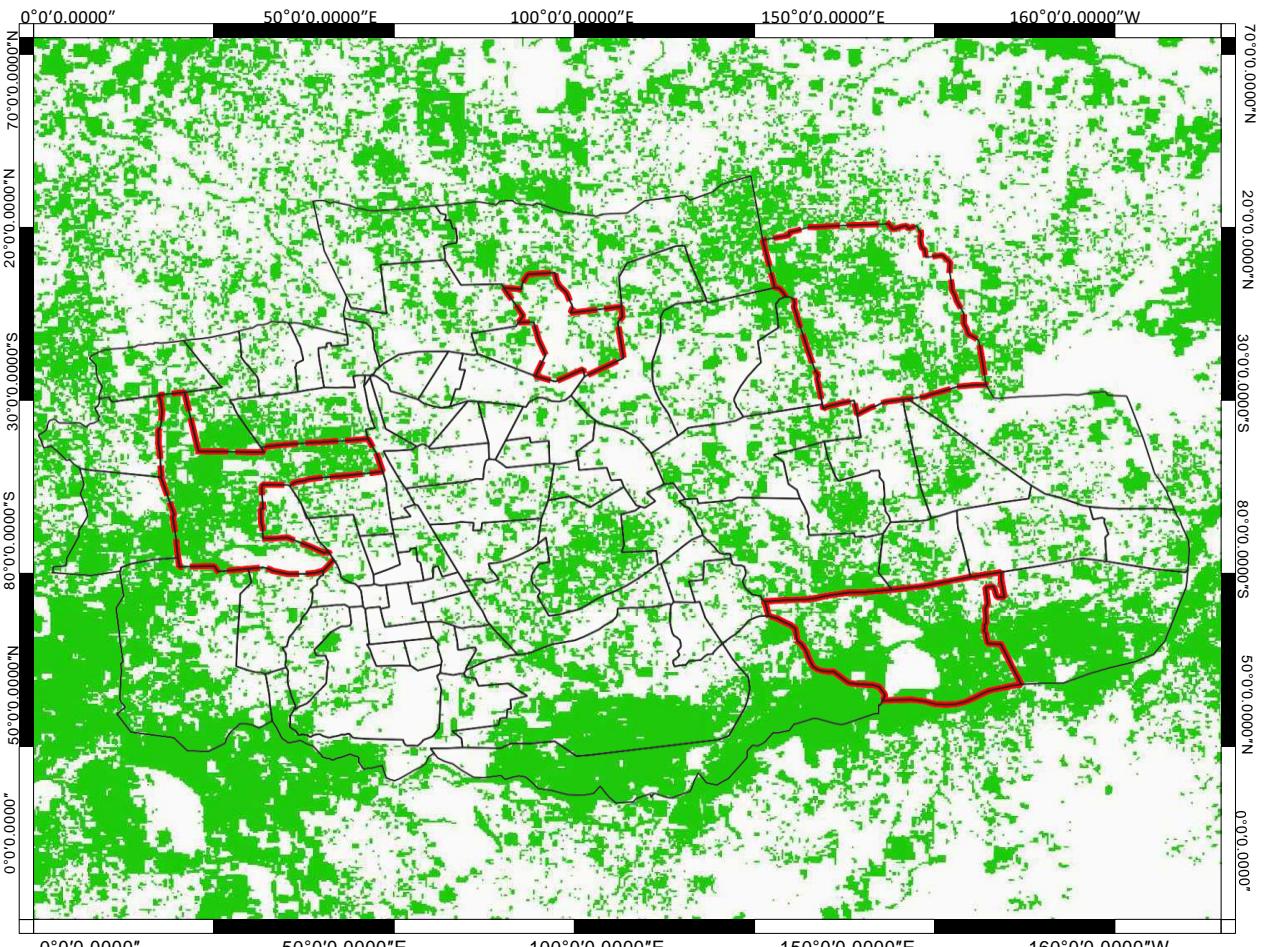
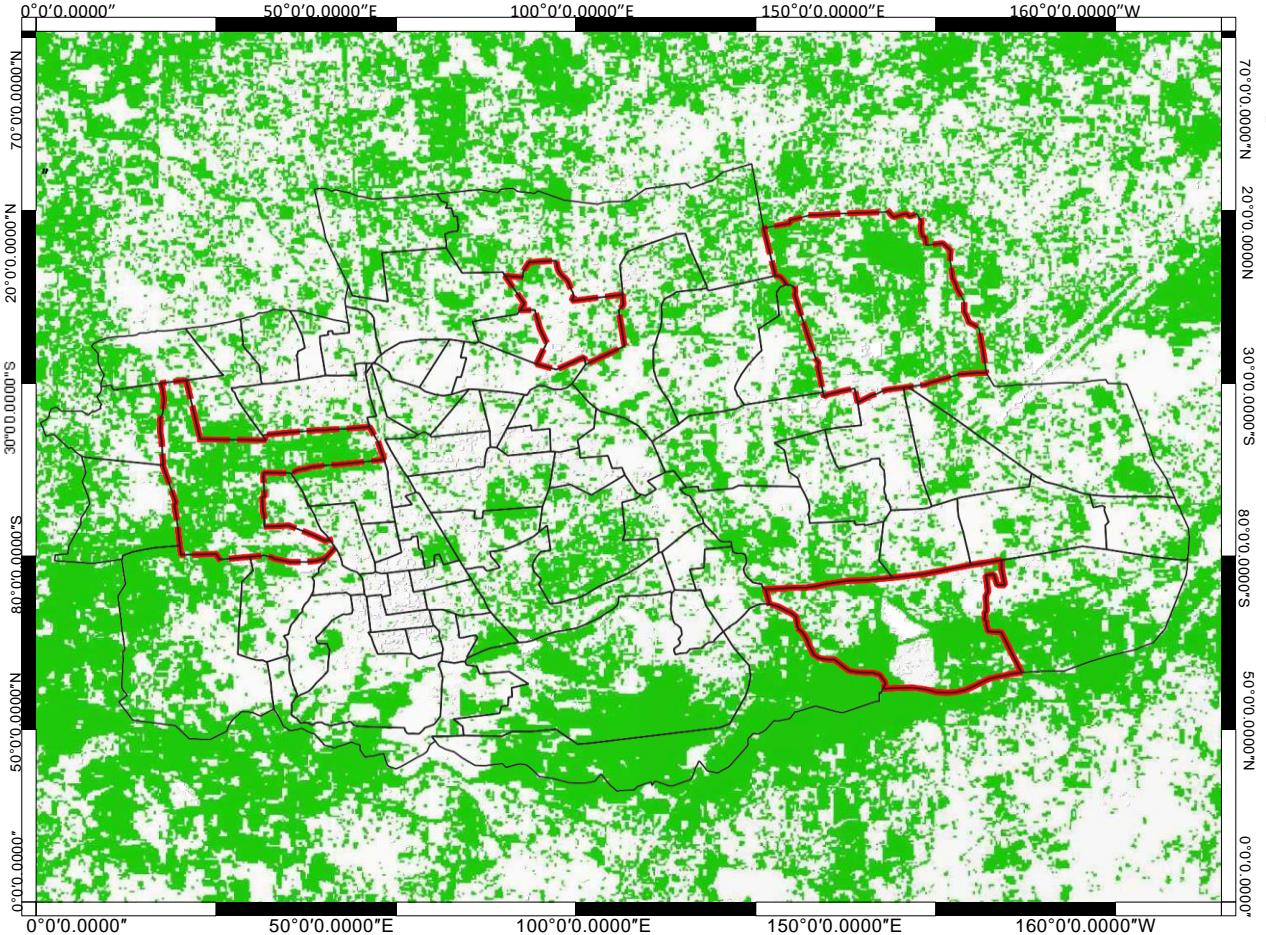
DEPARTMENT OF PLANNING



योजना तथा वास्तुकला विद्यालय, विजयवाडा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education Gov. of India

SHEETNO.

11



NDVI MAP OF COIMBATORE 2013-17

KEY MAP-COIMBATORE,
TAMIL NADU,INDIA

SCALE
1:50000



0 1 2 km
SOURCE:BHUVAN

LEGEND

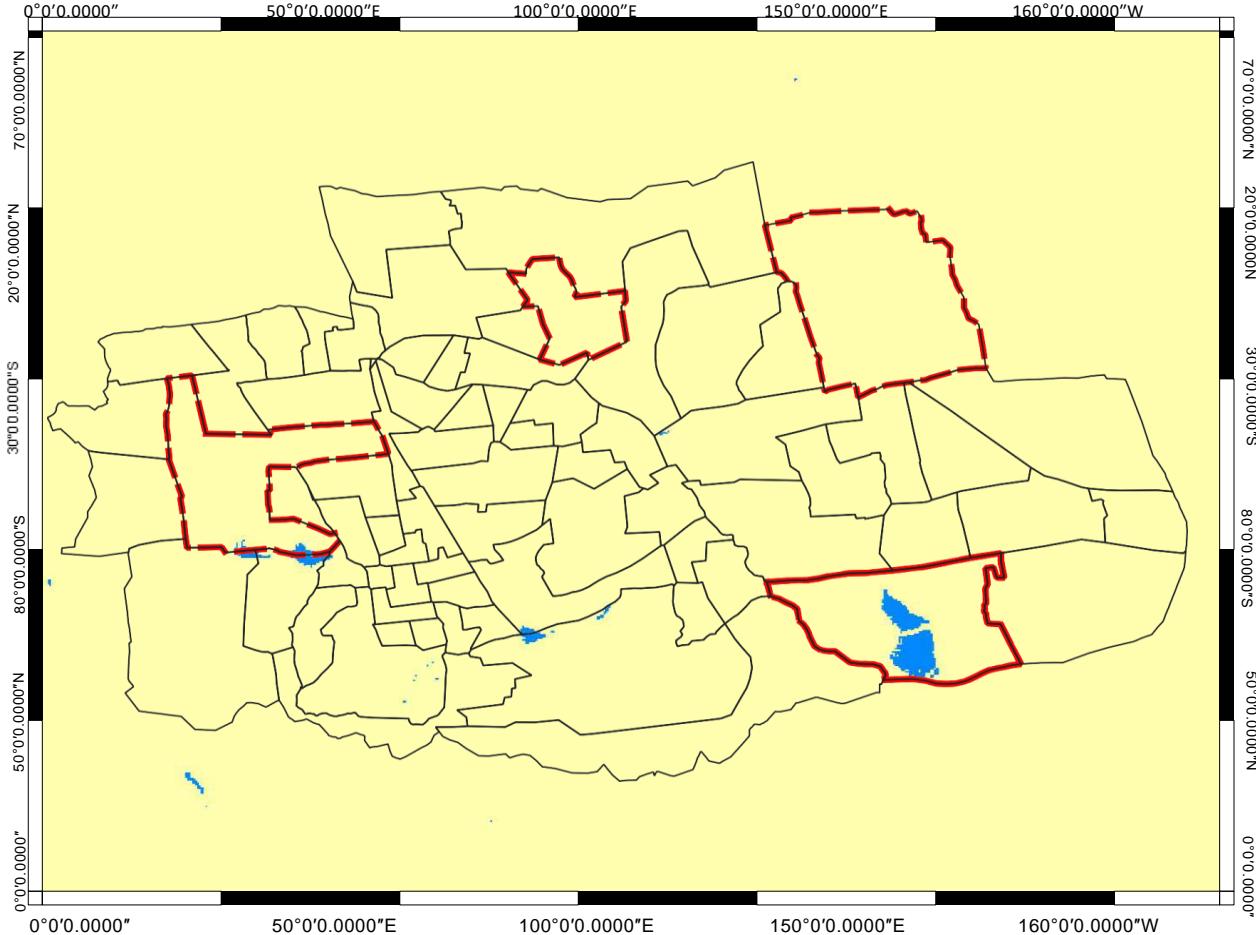
- Coimbatore ward boundary
- Selected ward boundary
- Non-Vegetation
- Vegetation

SATELLITE
RESOURCESAT -1/
RESOURCESAT-2
SENSOR:LISSIII
DATE: 3MARCH2013
17MAY2017
FORMULA
 $NDVI = NIR-R/NIR+R$

INFERENCES

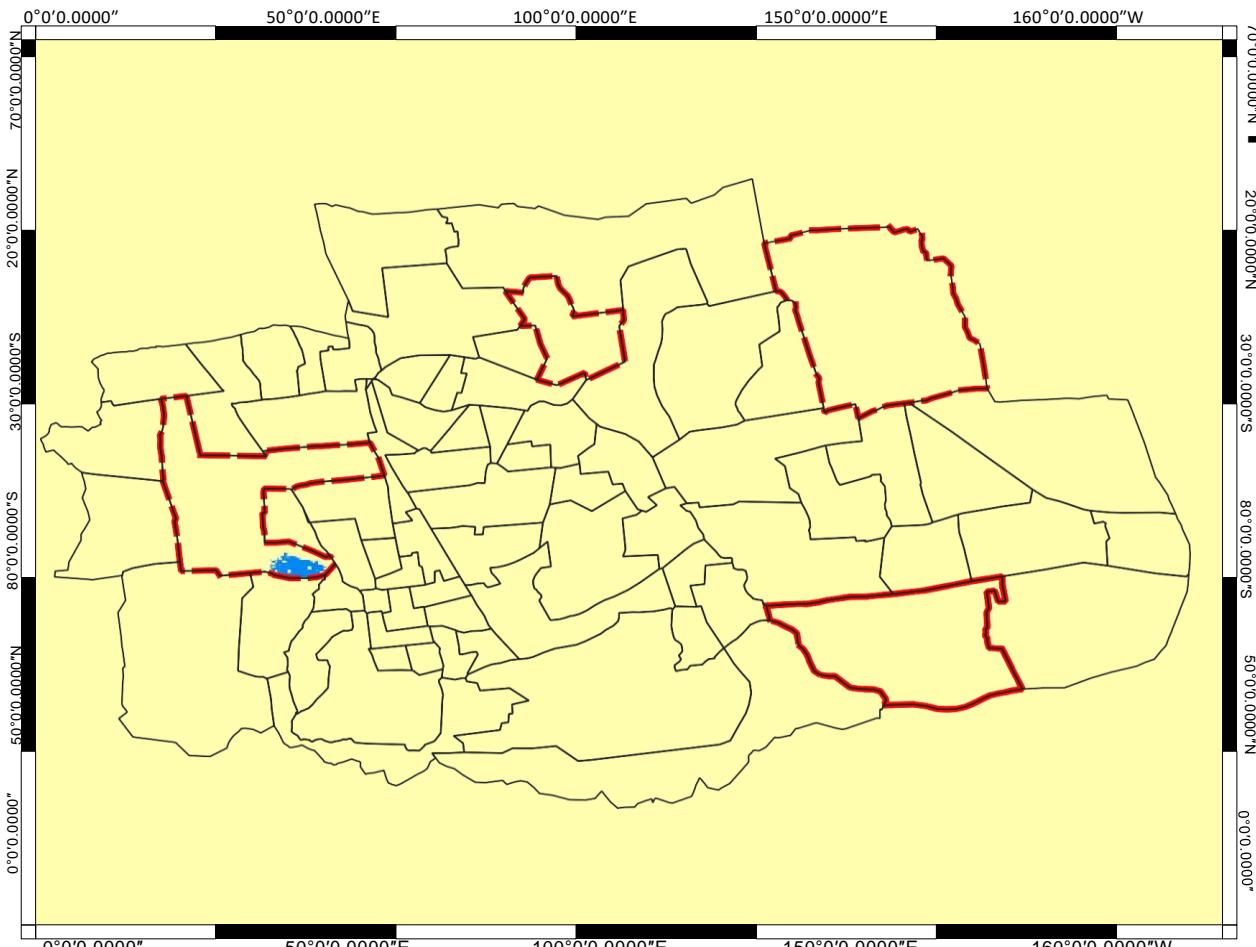
NDVI (2017-2013)			
REGION	AREA 2013(in m.sq)	AREA 2017(in m.sq)	CHANGE(in sq.m)
NON-VEGETATION	1500729107	1558590693	-57861586
VEGETATION	1632480732	1574619146	57861586
WARD-3	AREA 2013(in m.sq)	AREA 2017(in m.sq)	CHANGE(in sq.m)
NON-VEGETATION	2858932	3366748	-507816
VEGETATION	3254585	2746769	507816
WARD-7	AREA 2013(in m.sq)	AREA 2017(in m.sq)	CHANGE(in sq.m)
NON-VEGETATION	1225	2451	-1225
VEGETATION	6740	5514	1225
WARD-57	AREA 2013(in m.sq)	AREA 2017(in m.sq)	CHANGE(in sq.m)
NON-VEGETATION	1388879	1510829	-121950
VEGETATION	2634251	2512301	121950
WARD-71	AREA 2013(in m.sq)	AREA 2017(in m.sq)	CHANGE(in sq.m)
NON-VEGETATION	1104874	1129332	-24458
VEGETATION	402940	378482	24458

B.SRAVANI,
REG NO. 2190200268,
ADVANCE GEO INFORMATICS,
B.PLAN 2ND YEAR, 4TH SEM,
DEPARTMENT OF PLANNING



NDWI 2013 THRESHOLD=0.0696232

REGION	PIXEL COUNT	AREA(in m.sq)
NON-WATERBODY	5112203	3129299594
WATERBODY	6388	3910245
WARD-3	PIXEL COUNT	AREA(in m.sq)
NON-WATERBODY	9915	6110435
WATERBODY	2	1233
WARD-7	PIXEL COUNT	AREA(in m.sq)
NON-WATERBODY	12	7352
WATERBODY	1	613
WARD-57	PIXEL COUNT	AREA(in m.sq)
NON-WATERBODY	6444	3968930
WATERBODY	84	51737
WARD-71	PIXEL COUNT	AREA(in m.sq)
NON-WATERBODY	2465	1507202
WATERBODY	1	611



NDWI 2017 THRESHOLD=0.004225487

REGION	PIXEL COUNT	AREA(in m.sq)
NON-WATERBODY	5118116	3132919080
WATERBODY	475	290759
WARD-3	PIXEL COUNT	AREA(in m.sq)
NON-WATERBODY	9919	5756690
WATERBODY	1	356827
WARD-7	PIXEL COUNT	AREA(in m.sq)
NON-WATERBODY	12	7352
WATERBODY	1	613
WARD-57	PIXEL COUNT	AREA(in m.sq)
NON-WATERBODY	6512	4010812
WATERBODY	2	1232
WARD-71	PIXEL COUNT	AREA(in m.sq)
NON-WATERBODY	2465	1507202
WATERBODY	1	611

NDWI MAP OF COIMBATORE 2013-17

KEY MAP-COIMBATORE, TAMIL NADU,INDIA



SCALE
1:50000



0 1 2 km

SOURCE:BHUVAN

LEGEND

- Coimbatore ward boundary
- Selected ward boundary
- Non-waterbody
- Waterbody

SATELLITE
RESOURCESAT -1/
RESOURCESAT-2

SENSOR:LISSIII

DATE: 3MARCH2013
17MAY2017

FORMULA: NDVI=
Green-NIR/Green+NIR

INFERENCE

NDWI (2017-2013)			
REGION	AREA 2013(in m.sq)	AREA 2017(in m.sq)	CHANGE(in sq.m)
NON-WATERBODY	3129299594	3132919080	-3619486
WATERBODY	3910245	290759	3619486
WARD-3	AREA 2013(in m.sq)	AREA 2017(in m.sq)	CHANGE(in sq.m)
NON-WATERBODY	6110435	6112900	-2465
WATERBODY	1233	616	616
WARD-7	AREA 2013(in m.sq)	AREA 2017(in m.sq)	CHANGE(in sq.m)
NON-WATERBODY	7352	7352	0
WATERBODY	613	613	0
WARD-57	AREA 2013(in m.sq)	AREA 2017(in m.sq)	CHANGE(in sq.m)
NON-WATERBODY	3968930	4010812	-41882
WATERBODY	51737	1232	50505
WARD-71	AREA 2013(in m.sq)	AREA 2017(in m.sq)	CHANGE(in sq.m)
NON-WATERBODY	1507202	1507202	0
WATERBODY	611	611	0

B.SRAVANI,
REG NO. 2190200268,
ADVANCE GEO INFORMATICS,
B.PLAN 2ND YEAR, 4TH SEM,
DEPARTMENT OF PLANNING

LULC CLASSIFICATION SUPERVISED 2013

KEY MAP-COIMBATORE,
TAMIL NADU, INDIA

SCALE
1:30000



0 1 2 km

SOURCE:BHUVAN

LEGEND

- WARD BOUNDARY
- BUILT UP
- VEGETATION
- WATER BODIES
- AGRICULTURAL
- BARREN LAND

OBSERVATIONS

LCLU	PIXEL COUNT	AREA(SQ.M)	AREA (IN %)
BUILT UP	2544421	1557193221	50%
VEGETATION	1327396	812370300.8	25%
WATER BODIES	14751	9027655.882	1%
AGRICULTURAL	1087147	665337198.1	21%
BARREN LAND	144879	88666379	3%

SATELLITE

RESOURCESAT 1/RESOURCESAT-2

SENSOR:LISSIII

DATE:3MARCH2013

**B.SRAVANI,
REG NO. 2190200268,
ADVANCE GEO INFORMATICS,
B.PLAN 2ND YEAR, 4TH SEM,
DEPARTMENT OF PLANNING**



योजना तथा वास्तुकला विद्यालय, विजयवाड़ा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education Gov. of India

SHEET NO.

14

LULC CLASSIFICATION UNSUPERVISED 2013

KEY MAP-COIMBATORE,
TAMIL NADU, INDIA

SCALE
1:30000



0 1 2 km

SOURCE:BHUVAN

LEGEND

- WARD BOUNDARY
- BUILT UP
- VEGETATION
- WATER BODIES
- AGRICULTURAL
- BARREN LAND

OBSERVATIONS

LCLU	PIXEL COUNT	AREA(SQ.M)	AREA (IN %)
BUILT UP	2437885	1491992872	48%
VEGETATION	1778594	1088504819	34%
WATER BODIES	16114	9861815.937	1%
AGRICULTURAL	673005	411881062.1	13%
BARREN LAND	212912	130302777.4	4%

SATELLITE

RESOURCESAT 1/RESOURCESAT-2

SENSOR:LISSIII

DATE:3MARCH2013

**B.SRAVANI,
REG NO. 2190200268,
ADVANCE GEO INFORMATICS,
B.PLAN 2ND YEAR, 4TH SEM,
DEPARTMENT OF PLANNING**

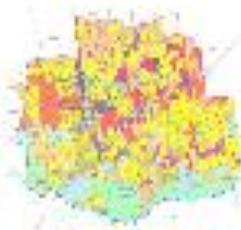


योजना तथा वास्तुकला विद्यालय, विजयवाड़ा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education Gov. of India

SHEET NO.
15

**LAND SURFACE TEMPERATURE
OF COIMBATORE (2021)**

KEYMAP - COIMBATORE CITY



SCALE 1:50000

SOURCE: USGS EARTH
EXPLORER



LEGEND

LST OF COIMBATORE CITY (2021) IN °C

COIMBATORE WARD BOUNDARY	
12.5813°C	30.9990°C
21.9910°C	32.5101°C
25.4226°C	34.5078°C
28.4432°C	41.0360°C

SATELLITE: LANDSAT 8

SENSOR: OLI/TRS C1 L1

DATE : 31 MARCH 2021

LOCATION : COIMBATORE, TAMIL NADU

NAME : B.SRAVANI

REG.NO - 2190200268

ADVANCE GEO-INFORMATICS

B.PLAN 2ND YEAR , 4TH SEM

DEPARTMENT OF PLANNING



योजना तथा वास्तुकला विद्यालय, विजयवाडा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education Govt. of India

SHEETNO.

16

HYDROLOGY ANALYSIS

WATERSHED DELINEATION

KEYMAP - KARANATAKA, INDIA



SCALE 1:100000

0 5.5 11 km



SOURCE : BHUVAN

LEGEND

- RIVER NETWORK
- CATCHMENT AREA
- RIVER NETWORK

FLOW DIRECTION

- NORTH
- NORTHEAST
- EAST
- SOUTHEAST
- SOUTH
- SOUTHWEST
- WEST
- NORTHWEST
- > 240

- FILLED DEM**
- <= 60
 - 60 - 120
 - 120 - 180
 - 180- 240
 - > 240

STREAM ORDER

- <= 3
- 3 - 5
- 5 - 6
- 6 - 8
- > 8

SENSOR/SATELLITE: Cartosat-1
Cartodem version 3R1

NAME : B.SRAVANI

REG.NO - 2190200268

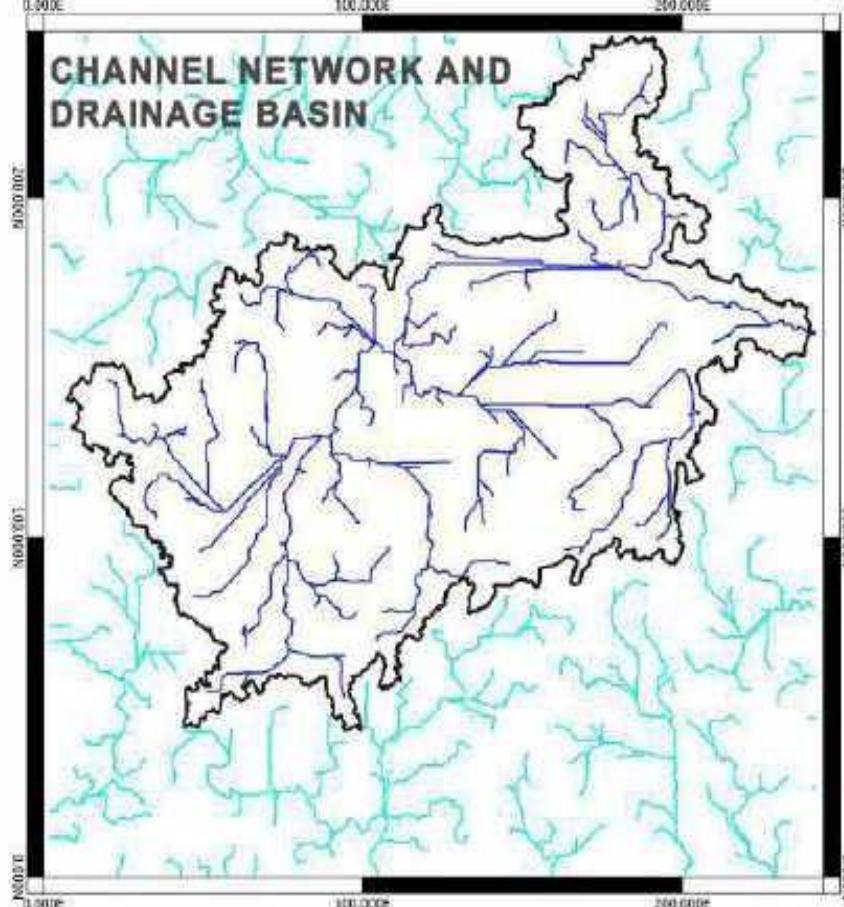
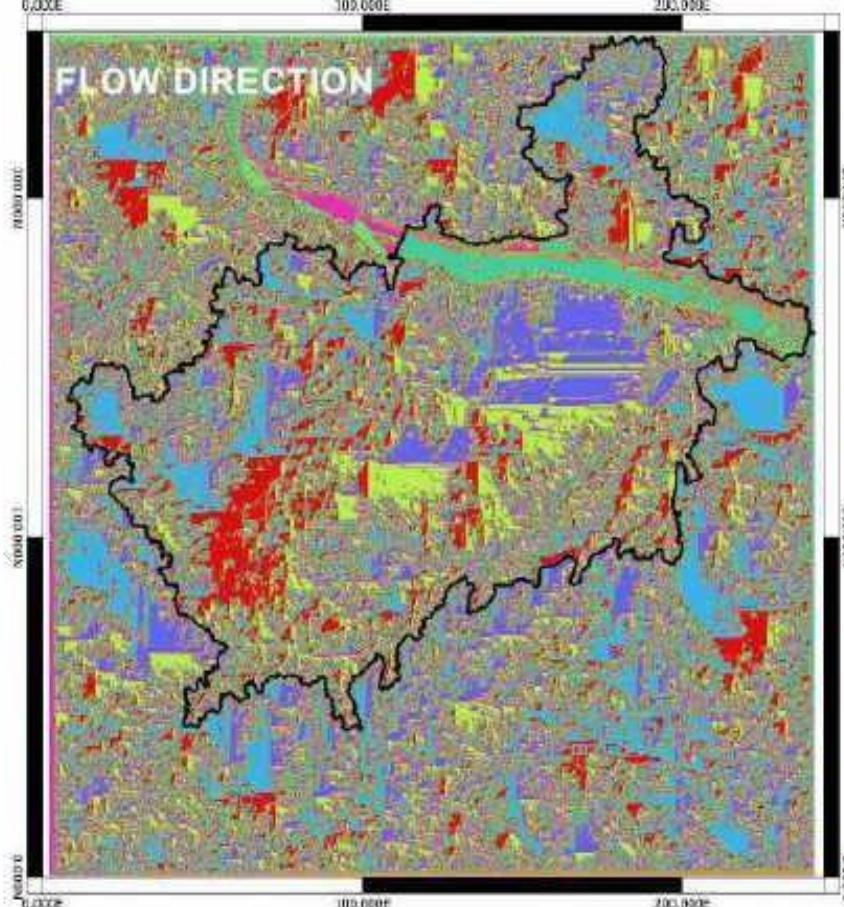
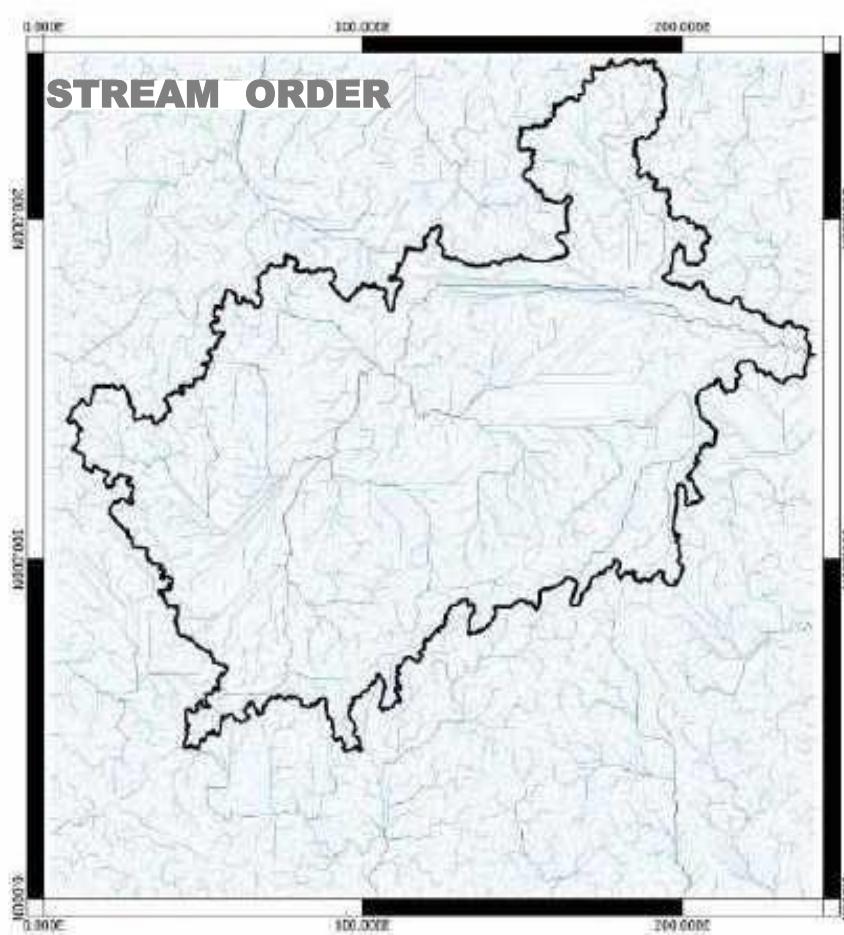
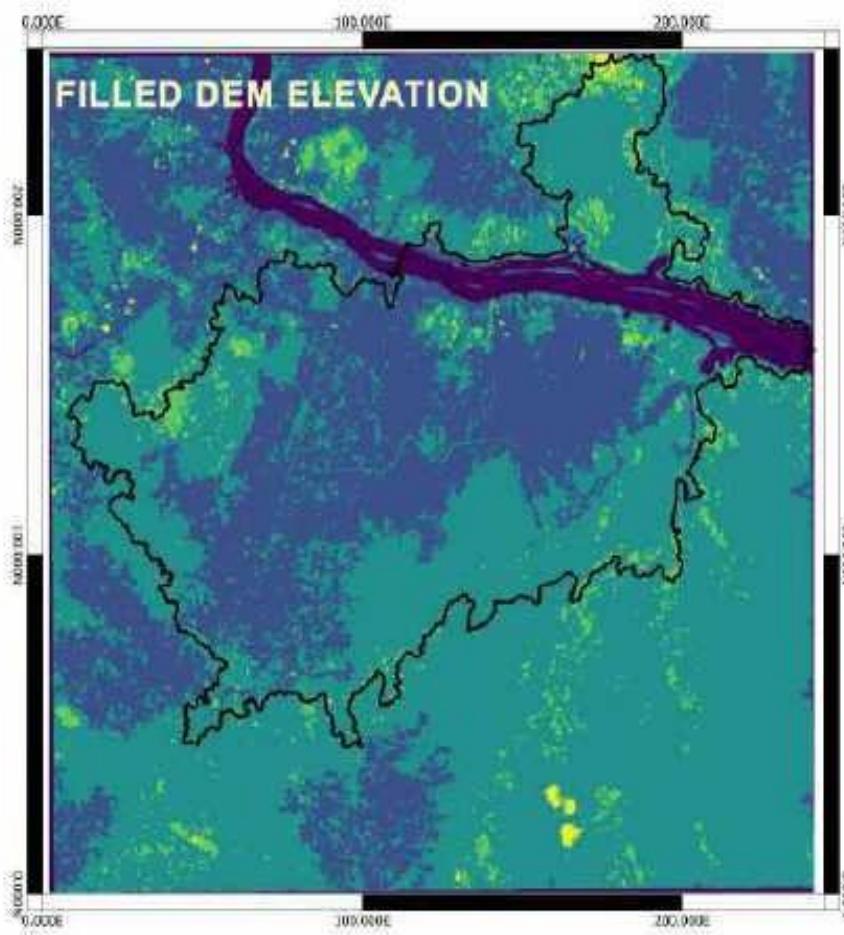
ADVANCE GEO-INFORMATICS

B.PLAN 2ND YEAR , 4TH SEM

DEPARTMENT OF PLANNING

SHEETNO.

17



वोजना तथा वास्तुकला विद्यालय, विजयवाडा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education Gov. of India

HYDROLOGY ANALYSIS WATERSHED DELINEATION

KEYMAP - KARANATAKA, INDIA



SCALE 1:50000



SOURCE : BHUVAN

LEGEND

RIVER NETWORK

FILL DEM ELEVATION

■ <= 62

■ 62 - 115

■ 115 - 169

■ 169 - 222

■ > 222

□ CATCHMENT AREA

SENSOR/SATELLITE: Cartosat-1
Cartodem version 3R1

NAME : B.SRAVANI

REG.NO - 2190200268

ADVANCE GEO-INFORMATICS

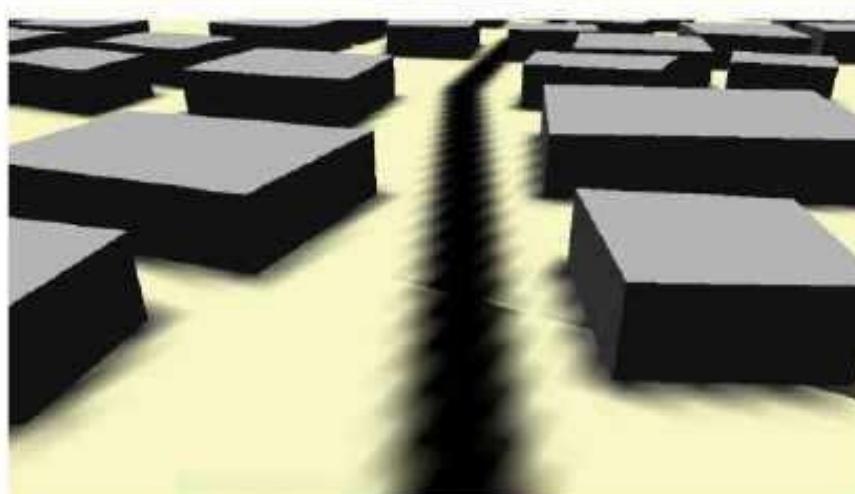
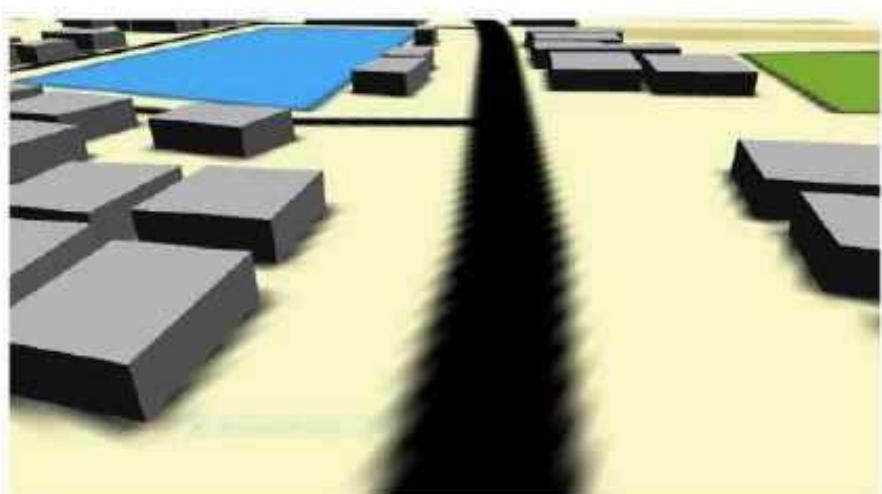
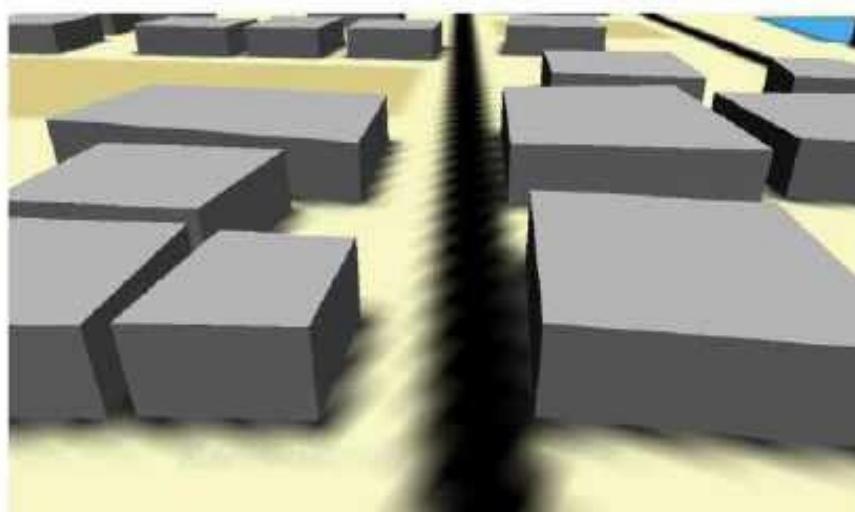
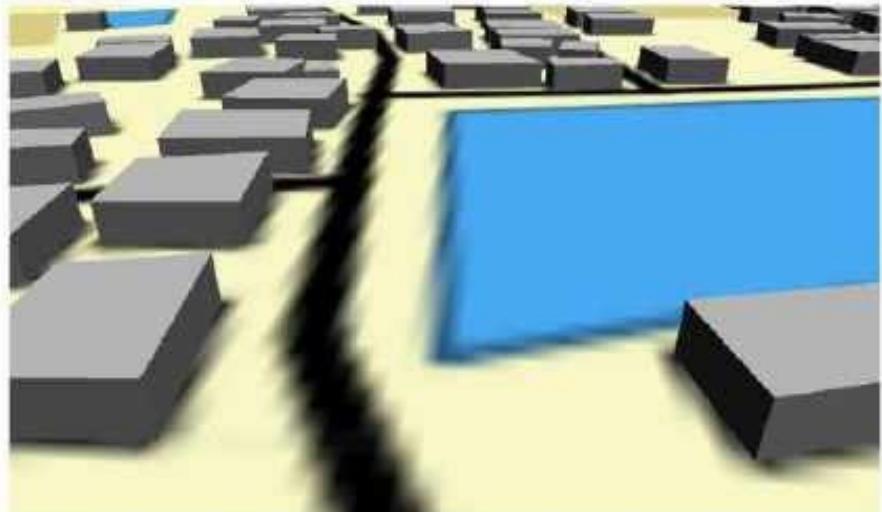
B.PLAN 2ND YEAR , 4TH SEM

DEPARTMENT OF PLANNING



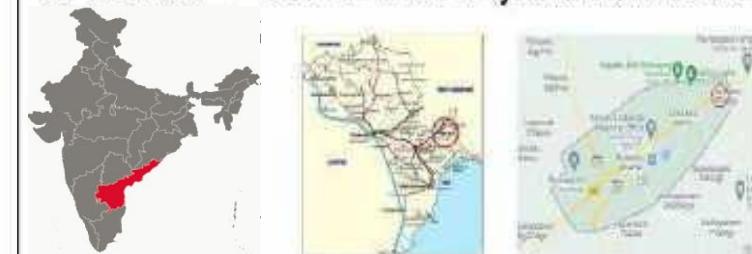
योजना तथा वास्तुकला विद्यालय, विजयवाडा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education Govt. of India

SHEETNO.
18



3D NEIGHBOURHOOD BASE MAP

KEYMAP - GONEPADU,KAIKALURU



LOCATION: GONEPADU,
KAIKALURU, ANDHRA
PRADESH-INDIA
AREA : 0.12 sq.km
POPULATION : 700



LEGEND

- PLAYGROUND
- LOCAL STREETS
- COLLECTOR ROAD
- VACANT LAND
- BUILDINGS
- SETTLEMENT OUT SIDE NEIGHBOURHOOD
- WATER BODIES
- NEIGHBOURHOOD SITE AREA

SOURCE : OPEN STREET MAP
SATELLITE IMGERY

NAME : B.SRAVANI
REG.NO - 2190200268
ADVANCE GEO-INFORMATICS
B.PLAN 2ND YEAR , 4TH SEM
DEPARTMENT OF PLANNING



योजना तथा वास्तुकला विद्यालय, विजयवाडा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education Govt. of India

SHEETNO.
19

THANK YOU

