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GURU NANAK INSTITUTE OF TECHNOLOGY

City Office: B2, 2nd Flr, Above Bata, Vikrampuri Colony, Karkhana Road, Secunderabad-50009, Telangana, India.
Ph: +91-40-6632 3294, 6517 6117, Fax: +91-40-2789 2633

Campus: Ibrahimpatnam, R.R. District, Hyderabad-501506, Telangana, India. Ph: (0/95) 8414-20 21 20/21

DEPARTMENT OF CIVIL ENGINEERING

Date: 01/08/2017

CIRCULAR

Technical Training for II B. Tech students are starting from 10-08-2017 to 10-09-2017. All HODs and Placements coordinators have to manage the trainings and ensure 95% attendance all through the sessions.

All Mentors need to send the compiled feedback report to Mr. S. Madan Mohan, HOD at hodcivil.gnit@gniindia.org daily. Mentors are advised to take care of PNR (Students not participating in training).

Agenda:

RS & GIS.

HOD-CE



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SYLLABUS FOR RS & GIS

SNO.	TOPIC COVERED	DURATION
1	Arial photograph interpretation	3
2	Visual interpretation of multispectral and panchromatic image	4
3	Histogram stretching, linear, non linear stretching, histogram equalization, Image rectification	3
4	Image classification, supervised and unsupervised classifications Image fusion ,Stitching of scenes	4
5	Change detection from multi-date imagery	3
6	Introduction to software Digital database creation – Point features, Line features, Polygon features	5
7	Data Collection and Integration, Non-spatial data attachment working with tables Dissolving and Merging Clipping, Intersection and Union . Buffering techniques	6
8	Designing and Symbolization Analog to Digital Conversion, Analysis of Toposheet Updation of maps from Satellite Imagery.	4

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LIST OF REGISTERED STUDENTS FOR RS & GIS

S.No	H. T. No.	NAME OF THE STUDENT
1	15831A0148	JAYESH KEDIA
2	15831A0150	K ANUSHA
3	15831A0152	KAMBALAPALLY PRASHANTH
4	15831A0155	KASOJU VANI
5	15831A0157	KOLLI GOPI CHAND CHOWDARY
6	15831A0158	KOMMANA VIJAYADURGA
7	16835A0101	A.NAVYASRI
8	16835A0103	ARSAM MANOJ KUMAR
9	16835A0104	B.NANDINI
10	16835A0107	DHARAVATH NARESH NAYAK
11	16835A0109	K.MAHESHKUMAR
12	16835A0110	MADHA NAVEEN
13	16835A0111	M.JYOTHI
14	16835A0113	MOTHE VIJAY
15	16835A0117	R.SWAPNA
16	15831A0115	A.PRRASANTH
17	15831A0104	ROSHAN
18	15831A0165	MADALA RAMESH
19	15831A0166	MADDI SUMANJALI
20	15831A0168	MANDHUGULA SAIRAVALI
21	15831A0172	MD SHAHWAZ KHAN
22	15831A0173	MEDA SIVASANKAR
23	15831A0174	MEGHAVATH NIKHIL
24	15831A0175	MIRZA ABDUL SAIF BAIG
25	15831A0176	MOLA DILEEP KUMAR
26	15831A0177	NAGARAM VAMSHI KRISHNA
27	15831A0178	NALLA SUMAN
28	15831A0179	NARRA SUMANTH



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29	15831A0180	NAVAATH MANISH KUMAR
30	15831A0181	NERELLA HARI PRASAD
31	15831A0184	PABBATHINENI YASHWANTH
32	15831A0185	PASULA MAHESHWAR
33	15831A0186	PASULA SUSMITHA REDDY
34	15831A0187	PEESARA SRI HARSHITHA
35	15831A0189	POOSA SAINATH
36	15831A0191	PRASHANT SAH
37	15831A0193	RAJABOINA MANASWI
38	15831A0194	R.SHARATH CHANDRA GOUD
39	15831A0198	RUMA RAHEELA
40	15831A01A2	SALLOJU ARUN KUMAR
41	15831A01A9	TEKMAL ANUSHA
42	15831A01B0	THAKUR SAIKIRAN SINGH
43	15831A01B1	THALARLA CHAITANYA
44	15831A01B2	UTKOR TARUN KUMAR
45	15831A01B3	VAGGU SUSHMITHA
46	15831A01B4	VADICHARLA HARIHARAN
47	15831A01B7	VEMULA VIVEKANANDA RAO
48	15831A01B8	VENGALA SHASHANK
49	15831A01B9	Y REVAN ANTHONY REDDY
50	16835A0118	SHEELAM MANOJ KUMAR
51	166F5A0111	M.Dillepnaik
52	166f5A0154	Ritesh
53	166f5A0146	K.VAMSI
54	14831A0101	ADIDELA SHANTI FLEMING
55	14831A0103	AMIREDDY MAHENDER
56	14831A0106	ARE RAMAKRISHNA
57	14831A0110	BANDI DEEKSHITH REDDY
58	14831A0112	BASAYAPALLY ANJALI
59	14831A0113	BATTINA SAHITHI
60	14831A0114	BHAGYA LAKSHMI
61	14831A0115	BILIPELLI ADARSH REDDY
62	14831A0116	BUDURU SHIVA
63	14831A0117	CHELIMELA SAITEJA
64	14831A0118	CHEEKOTI BHARGAV



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65	14831A0119	CHEMMUTA SIREESHA
66	14831A0120	CHEVURI ANUSHA
67	14831A0121	DEEMERI VAMSHIKRISHNA
68	14831A0123	DEVARAM PREETHI
69	14831A0124	DOMALA HARIPRIYA
70	14831A0127	GAJULA PURNACHANDAR
71	14831A0128	GANAMALA RAKESH
72	14831A0130	GANJI HARSHINI
73	14831A0132	GOTTIMUKKULA ANIL

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DEPARTMENT OF CIVIL ENGINEERING

RS & GIS QUESTION PAPER

Duration: 120 min

4 x5=20 marks

Answer the following all questions. Each question carries 5 marks

1. Explain in detail about Analog to Digital Conversion – Scanning methods?
2. Write about Dissolving and Merging, Clipping, Intersection and Union
3. Explain about
 - a) Construction of different types of scales
 - b) Construction of different types of map projection: Conical projection, Cylindrical Projection, WGS 84?
4. Write about
 - a) Base Map
 - b) Designing and Symbolization
 - c) Analog to Digital Conversion
 - d) Analysis of Toposheet?

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RESULT SHEET FOR RS & GIS REGISTERED STUDENTS

S.No	H. T. No.	NAME OF THE STUDENT	MARKS	RESULT
1	15831A0148	JAYESH KEDIA	16	PASS
2	15831A0150	K ANUSHA	16	PASS
3	15831A0152	KAMBALAPALLY PRASHANTH	15	PASS
4	15831A0155	KASOJU VANI	10	PASS
5	15831A0157	KOLLI GOPI CHAND CHOWDARY	17	PASS
6	15831A0158	KOMMANA VIJAYADURGA	16	PASS
7	16835A0101	A.NAVYASRI	18	PASS
8	16835A0103	ARSAM MANOJ KUMAR	17	PASS
9	16835A0104	B.NANDINI	15	PASS
10	16835A0107	DHARAVATH NARESH NAYAK	16	PASS
11	16835A0109	K.MAHESHKUMAR	18	PASS
12	16835A0110	MADHA NAVEEN	19	PASS
13	16835A0111	M.JYOTHI	18	PASS
14	16835A0113	MOTHE VIJAY	16	PASS
15	16835A0117	R.SWAPNA	18	PASS
16	15831A0115	A.PRRASANTH	6	FAIL
17	15831A0104	ROSHAN	16	PASS
18	15831A0165	MADALA RAMESH	16	PASS
19	15831A0166	MADDI SUMANJALI	18	PASS
20	15831A0168	MANDHUGULA SAIRAVALI	19	PASS
21	15831A0172	MD SHAHWAZ KHAN	16	PASS
22	15831A0173	MEDA SIVASANKAR	15	PASS
23	15831A0174	MEGHAVATH NIKHIL	7	FAIL
24	15831A0175	MIRZA ABDUL SAIF BAIG	15	PASS
25	15831A0176	MOLA DILEEP KUMAR	16	PASS
26	15831A0177	NAGARAM VAMSHI KRISHNA	14	PASS
27	15831A0178	NALLA SUMAN	16	PASS



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28	15831A0179	NARRA SUMANTH	12	PASS
29	15831A0180	NAVAATH MANISH KUMAR	16	PASS
30	15831A0181	NERELLA HARI PRASAD	6	FAIL
31	15831A0184	PABBATHINENI YASHWANATH	15	PASS
32	15831A0185	PASULA MAHESHWAR	16	PASS
33	15831A0186	PASULA SUSMITHA REDDY	15	PASS
34	15831A0187	PEESARA SRI HARSHITHA	16	PASS
35	15831A0189	POOSA SAINATH	18	PASS
36	15831A0191	PRASHANT SAH	14	PASS
37	15831A0193	RAJABOINA MANASWI	16	PASS
38	15831A0194	R.SHARATH CHANDRA GOUD	15	PASS
39	15831A0198	RUMA RAHEELA	14	PASS
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45	15831A01B3	VAGGU SUSHMITHA	18	PASS
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59	14831A0113	BATTINA SAHITHI	16	PASS
60	14831A0114	BHAGYA LAKSHMI	15	PASS
61	14831A0115	BILIPELLI ADARSH REDDY	10	PASS
62	14831A0116	BUDURU SHIVA	16	PASS
63	14831A0117	CHELIMELA SAITEJA	16	PASS



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64	14831A0118	CHEEKOTI BHARGAV	18	PASS
65	14831A0119	CHEMMUTA SIREESHA	5	FAIL
66	14831A0120	CHEVURI ANUSHA	16	PASS
67	14831A0121	DEEMERI VAMSHIKRISHNA	15	PASS
68	14831A0123	DEVARAM PREETHI	14	PASS
69	14831A0124	DOMALA HARIPRIYA	16	PASS
70	14831A0127	GAJULA PURNACHANDAR	18	PASS
71	14831A0128	GANAMALA RAKESH	19	PASS
72	14831A0130	GANJI HARSHINI	18	PASS
73	14831A0132	GOTTIMUKKULA ANIL	16	PASS
			18	PASS

No of students Registered = 73

No of students Passed = 69

No of students Failed = 04

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Department of Civil Engineering Summary of RS and GIS

- To introduce the concepts and fundamentals of Remote Sensing, GIS and GNSS
- To understand Remote sensing, GIS and GNSS techniques and its applications in disaster studies
- **Remote sensing** is the acquisition of information about an object or phenomenon without making physical contact with the object and thus in contrast to on-site observation, especially the Earth. Remote sensing is used in numerous fields, including geography, land surveying and most Earth science disciplines (for example, hydrology, [ecology](#), meteorology, oceanography, glaciology, geology); it also has military, intelligence, commercial, economic, planning, and humanitarian applications.

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Department of Civil Engineering

ONE MONTH CERTIFICATE COURSE


ON


"RS AND GIS"

10-08-2017 – 10-09-2017

CERTIFICATE OF COMPLETION

This is to certify that Mr./ Ms. A. PRASANTH
of III - CE has Successfully completed one month certification course on "RS AND GIS" held
during 10-08-2017 to 10-09-2017 at Guru Nanak Institute of Technology, Hyderabad.


Prof. S. Madan Mohan
HEAD
DEPARTMENT OF CIVIL ENGINEERING
GURU NANAK INSTITUTE OF TECHNOLOGY
Ibrahimpattam R.R Dist, T.S. - 501 506


Dr. S. Sreedhar
PRINCIPAL
Guru Nanak Institute of Technology
Khanapur, Ibrahimpattam, R.R. Dist. T.S.