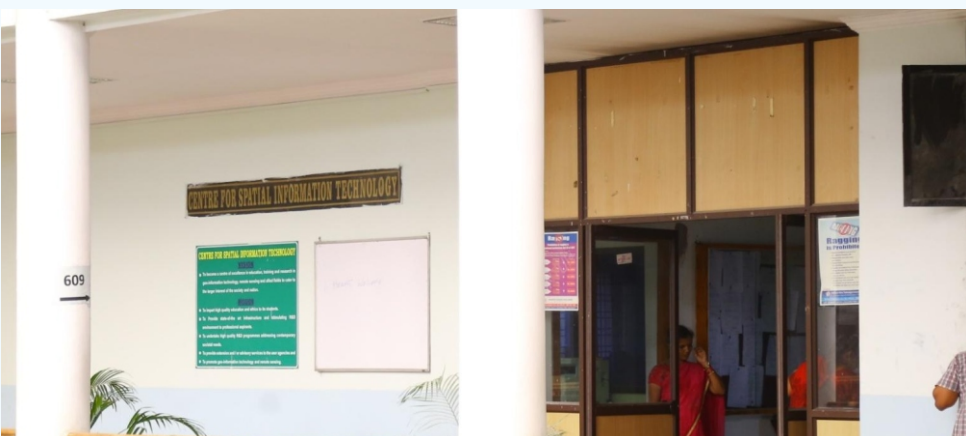




## CENTRE FOR SPATIAL INFORMATION TECHNOLOGY



**Department Vision** To emerge as a centre of excellence in Geospatial Technology and allied fields to cater to the larger interest of the society and nation at large.

**Department Mission** To strive for achieving and sustaining professionalism in Geospatial Technology in collaboration with Industry and academia.  
To nurture the spirit of innovation and creativity.

To harness and promote Geospatial Technology for national development

**Program Educational Objectives** PEO1: To prepare students to develop a strong background in geo-informatics, remote sensing and navigational surveying and in software development/IT, IT related areas/IoT.

PEO2: To train the students in developing practical solutions to the problems of the society using the cutting- edge technology.

PEO3: To develop professional competence in students through life-long learning and professional experience.

PEO4: To maintain state-of the art R&D facilities for constant improvement in the quality of education research and development.

PEO5: To train the students in coding related activities of Geospatial Technology.

### Head C Sarala

The centre for Spatial Information Technology has been in the fore front of GIS education and training in Jawaharlal Nehru technological university from year 1992. The center is offering two full time PG courses. The first M.Tech program in Remote Sensing started in 1992 has become very popular in the industry with the students placed at various government and software organizations. Thus the course name changed into M.Tech, in Spatial Information Technology (SIT) from the academic year 2000 and New course M. Tech Geo Informatics & Surveying Technology (GIST) introduced from the academic year 2002 by incorporating advanced topics in the course structure. The center has completed its 23 years of dedicated and excellent services in the field of Remote Sensing, Geographic Information System (GIS), Photogrammetry and Global positioning system (GPS). The center is well known for its technical excellence and modern infrastructure facilities such as latest version software's and highly sophisticated instruments, consistent record of performance in the university examination with excellent ranking and expertise students.

Programmes Offered Enrolment Status:

- M.Tech: Spatial Information Technology (SIT)
- M.Tech: Geo – Informatics & Surveying Technology (GIST)

Program Name	2017-18		
	M	F	T
SIT	8	5	13
GIST	13	4	17

Teaching:

Professor & Head C Sarala  
 Associate Prof. J Venkatesh  
 Professor K. Manjula Vani  
 Academic advisor Dr. Dwivedi  
 Academic Assistant Mr. Ballu Harish

Non Teaching:

T Jaya Babu  
 Technical Asst.Gr-1  
 K. Maruthi, Tech. Asst (Contract)

New Infrastructure Development in the Dept.



S. No.	Month & Year.	Details of the Infrastructure Set-up	Total Cost (Rs. In lakhs)
1	23 rd June 2017	GNSS LAB (under MoU with Hexagon)	9.0

Details of Conferences/Seminars/Workshops/ Refresher Courses/Orientation Courses/FDPs Organized by the Faculty:



Dr. K. Manjula Vani , Remote Sensing Applications 31<sup>st</sup> March 2017



Dr. K. Manjula Vani , 1<sup>st</sup> National conference on “Sustainable Urban Planning(NCSUP), 5<sup>th</sup> July 2017

Details of Conferences/Seminars/Workshops/ Refresher Courses/Orientation Courses/FDPs Attended by the Faculty:

S. No.	Name of the Dept./Centre	Name of the Attended Faculty	Nature of the Event (National Conference, Workshop etc)	Title of the Event	Venue	Date(s) on which Event Organized
1	CSIT	Sri. J. Venkatesh	Conference	National Conference on "Space Technologies based tools and applications in Governance and Development"	NRSC	During 06 <sup>th</sup> -10 <sup>th</sup> March 2017
2	CSIT	Sri. J. Venkatesh	Conference	National Conference on "Water, Environment and Society	CWR, IST, JNTUH	18 <sup>th</sup> March 2017
3	CSIT	Sri. J. Venkatesh	Conference	Geospatial world forum - 2018	NOVATEL	17-19 January 2018
4	CSIT	Dr. Dwivedi	Conference	National Conference on "Water, Environment and Society	CWR, IST, JNTUH	18 <sup>th</sup> March 2017
5	CSIT	Ballu Harish	Conference	National Conference on "Water, Environment and Society	CWR, IST, JNTUH	18 <sup>th</sup> March 2017
6	CSIT	B.Harish	Conference	Sustainable Water and Environment Management (SWEM- 2017)	CWR, IST, JNTUH	25th November 2017
7	CSIT	B.Harish	Conference	3rd International Conference on Environmental Management -3rd ICEM-2017	CEN,IST,JNTUH	27th to 30th Nov2017
8	CSIT	B.Harish	Conference	Geospatial world forum - 2018	NOVATEL	17-19 January 2018

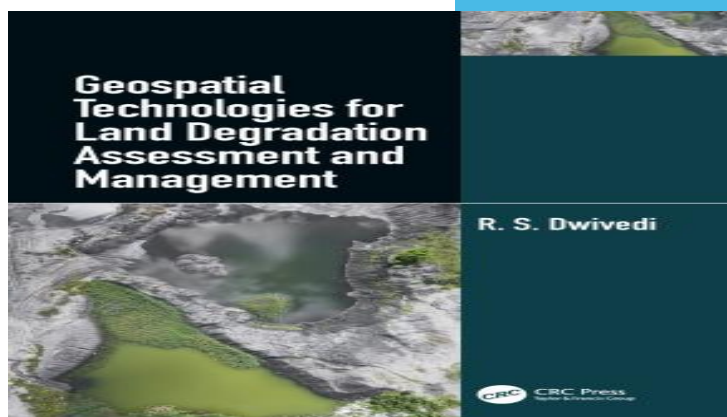
## Publications / Presentations

S. No.	Name of the Dept./Centre	Name of the Faculty	Title of the Paper	Name of International / National Journal	Published Date and Year
1	CSIT	Sri. J. Venkatesh & Dr.R.S.Dwivedi	Decision Support System for Optimization of Multi- Purpose Reservoir System Operations A review	National	16 <sup>th</sup> -18 <sup>th</sup> March 2017
2	CSIT	B. Harish and M.Santhosh	Information Content Analysis of Landsat-OLI Data	National	18 <sup>th</sup> March 2017
3	CSIT	B.Harish	Estimation Of Ground Water Storage Changes Using Satellite Data	National	25th November 2017
4	CSIT	B. Harish and M.Santhosh	Remote Sensing and GIS Techniques for Optimal Irrigation Management System: A Case Study of Laknavaram Lake	National	27th to 30th Nov2017

Journal Papers Reviewed by the Faculty:

Dr.R.S. Dwivedi Reviews research articles from Journal of Indian society of Geomatics

Books Published by the Faculty: Dwivedi, R.S.



Remote Sensing of Soils. Springer,2017,by Dr.Dwivedi, R.S., Academic advisor

Prizes/Awards for outstanding performance in Academic/Cultural Activities:

S. No.	Name of the Student	Class & Branch	Game/Event	Hosting University / College
1	Bhujendhar Nella	M.Tech (GIST)	CRICKET	JNTUH University
2	Alampally Kiran Kumar	M.Tech (SIT)	CRICKET	JNTUH University
3	Paga Abhinay Kartheek	M.Tech (SIT)	CRICKET	JNTUH University
4	Pogu Haribabu	M.Tech (GIST)	CRICKET	JNTUH University
5	Manadalapu Sai Reddy	M.Tech (GIST)	CRICKET	JNTUH University

S. No.	Name of the Programme	Name of the Specialization	Studying Year (II/II, III/III etc)	Name of the Student	Percentage of Marks Secured
1	M.Tech	SIT	II/II	Kendre Kranthi Kumar 15031D3206	8.77



**Kendre Kranthi Kumar**  
H.T No. 15031D3206  
Gold Medalist

CSIT DEPT LIBRARY

No of titles	: 40	No of volumes	: 60
<u>University Library</u>			
No of titles	: 158		
No of volumes	: 2654		
No of e-journals	: 24		
Web Resources	: 40		



NSS/NCC Activities:

S. No.	Name of the Event	Date of Conduct	Organizing Unit
1	Rangoli	11/01/18	IST,JNTUH



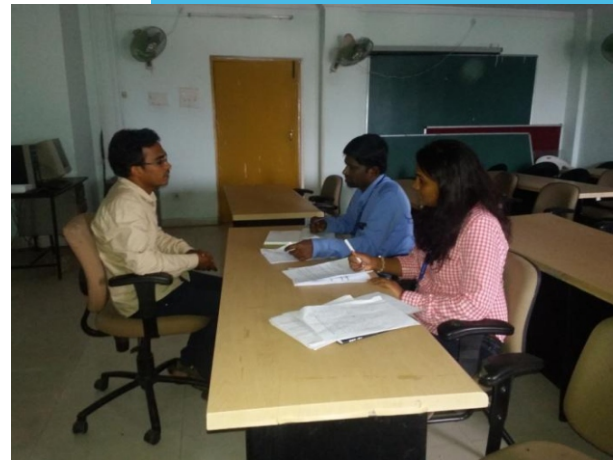
RANGOLI

JNTUH - CSIT dept. Placements:

S. No.	Name of the Programme	Name of the Specialization	Name of the Student	Company in which Student got placed	CTC Offered by the Company
1	M.Tech	GIST	P. Vooha	Hexagon	5.6 lac per Annum
2	M.Tech	GIST	Pratik Rai	Hexagon	5.6 lac per Annum
3	M.Tech	GIST	A.Aruna	Sumadhura	2.0 lakh per Annum
4	M.Tech	GIST	Gade Manoj Kumar	Sumadhura	2.0 lakh per Annum
5	M.Tech	SIT	Kakunuri Nagarjuna	Sumadhura	2.0 lakh per Annum
6	M.Tech	SIT	Voladri Ashish	Sumadhura	2.0 lakh per Annum



Placements interview by SUMADHURA



Placements interview by HEXAGON

Any other Achievements related to the dept:

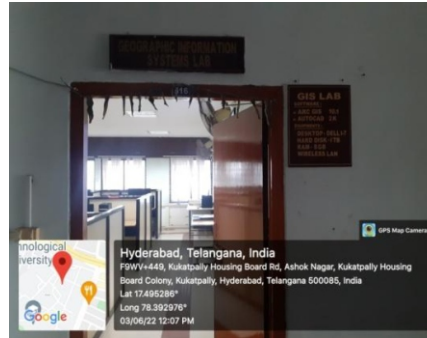


## GIS Laboratory & Software Development Laboratory

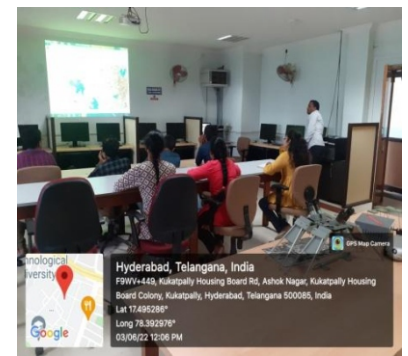
J. Venkatesh, Associate Professor examined project proposal in the first quarter of 2017 & 2 project proposal during Sep. 2017 to Dec. 2017.

Assesment of portable Ground Water Quality of India Mark II Hand pump viz-a-viz Delineation of Ground Water pollution zones of Mainpuri, Kanpur Dehat, Gorakhpur Uttar Pradesh, India using GPS & GIS technology

Study of government policies and schemes using Geo-Spatial Techniques: a way towards effective planning, a focus of Bhalwal block of Jammu District” sent by NRDMS, DST and sent referee's report to help the DST to take the decision for funding the projects.



## DIP Laboratory



## GNSS Laboratory

