

1st Cycle of Assessment and Accreditation

SELF STUDY REPORT

Submitted to

**National Assessment and Accreditation Council
(NAAC)**



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

Kukatpally, Hyderabad - 500 085, Telangana State, INDIA

VOLUME – II

September 2016

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABAD**

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JNTUH Institute of Science & Technology



E. Evaluative Reports of the Departments/Centres/Schools

Centre for Environmental Science & Tech.

1. Name of the Department Centre For Environmental Science & Tech,
Institute of Science and Technology (IST),
JNTUH.
2. Year of establishment 1989
3. Is the Department part of a School/Faculty of the university? Faculty of the University
4. Names of programmes offered (UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

S. No.	Program	Name of the Course	Specialization
1	PG	M.Tech	Environmental Management
2	PG	M.Tech	Environmental Management
3	PG	M.Tech	Environmental Geomatics
4	PG	M.Sc	Environmental Science & Technology
5	PG	M.Sc	Environmental Biotechnology
6	PG	M.Sc	Geospatial Science & Technology
7	Ph.D	--	Environmental Science & Technology

5. Interdisciplinary programmes and departments involved NIL
6. Courses in collaboration with other universities, industries, foreign institutions, etc. N/A
7. Details of programmes discontinued, if any, with reasons N/A
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System Semester
9. Participation of the department in the courses offered by other departments NIL
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Cadre	Sanctioned	Filled	Actual (including CAS & MPS)
Professors	1	1	2
Associate Professors	1	0	1



Assistant Professors	3	3	1
Others	--	--	--

11. Faculty profile with name, qualification, designation, area of specialization and experience and research under guidance

S. No.	Name	Designation	Qualification	Specialization	No. of Years of Experience	No. of Ph. Ds guided in last four years
1	Dr. T. Vijayalakshmi	M.Sc (Tech), Ph. D	Assistant Professor and HEAD	Environmental Impact Assessment, Environmental Geomatics	9	8
2	Dr. M. Anji Reddy	M.Sc., M.Tech, Ph.D	Professor and Director R&D	Environmental Management & Environmental Geomatics	27	8
3	Dr. Ch. Sasikala	M.Sc., Ph. D	Professor and BOS chairperson	Environmental Microbiology	18	8
4	Dr. V. Himabindu	M.Sc., Ph. D	Associate Professor	Environmental Chemistry, Air and Water pollution Control, Wastewater treatment	18	8
5	Dr. A. Vamshi Krishna	M.Sc., Ph. D	Lecturer	Environmental Science & Geomatics & EIA	6	--
6	Mrs. Hema Sailaja	M.Sc., M.Tech (Ph.D)	Lecturer	Environmental Management, Microwave and Hyper spectral Remote Sensing & GIS	7	--

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors NIL

- We at Centre for Environment have established a good practice of inviting senior faculty members, researchers, scientists and policy members as resource persons from national and international recognized research organization, academics and industries.
- Presently we have one Professor K. Mukkanti as UGC-BSR Faculty fellow

13. Percentage of classes taken by temporary faculty – programme-wise information: 40%



14. Programme-wise Student Teacher Ratio : 12:1



15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Designation	No. of Outsourcing Posts Sanctioned	No. of Vacancies if any	Actual
DPO	1	--	1
Technical assistant	1	--	1
Lab Technician	3	1	2

16. Research thrust areas as recognized by major funding agencies

- Centre for Environment has established very good Research and Development atmosphere with latest and advanced instrumentation facilities to carryout R & D consultancy in the field of Environmental Science and Technology, Environmental Bio-technology, Geospatial Science & Technology, Environmental Management, Environmental Geomatics.
- The Centre for Environment is Supported with major funding agencies like DST, DBT and other agencies, as listed below:
- MNRE -Hydrogen production through biological routes
- BARC- Development of PEM, AEM and alkaline water electrolyzers for hydrogen production
- DST - NPCS - Biodiesel production from lipid-producing microalgae using industrial CO₂ emissions and sewage
- DBT- Biodeisel production using microalgae
- MOES - 1) Marine anaerobic bacterial diversity for the production of Antimicrobials Ecology of Halo-Anoxygenic phototrophic bacteria of marine Habitats of Gujarat
- NRDMS- DST- Geospatial Technologies for Village Information System LULC GIS for NRM-Environmental Information Systems, Hyper spectral remote sensing, upper atmospheric studies
- DST – Nano carbon material synthesis



17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. (Last four years)

S. No	Principal Investigator	Title of the project	Funding Agency	Duration	Amount (Rs)
1	Dr. V. Himabindu & Dr. Lakshmi narasu	Hydrogen production through biological routes	MNRE-Mission project	2010-2015	49,68,000/-
2	Ch. Sasikala	Marine anaerobic bacterial diversity for the production of antimicrobials	Mo ES	3 years (18-7-2013 to 17-7-2016)	40,000,00/-
3	Ch. Sasikala	Ecology of Halo-Anoxygenic phototrophic bacteria of marine habitats of Gujarat	Mo ES	3 years (2014-2017)	40,45,500/-
4	Dr. V. Himabindu	Development of PEM, AEM and alkaline water electrolyzers for hydrogen production	BARC BRNS Project	2014-2017	33,95,000/-
5	Dr. V. Himabindu	Biodiesel production from lipid-producing microalgae using industrial CO ₂ emissions and sewage	DST-NPCS	2015-2017	19,14,000/-
6	Dr. V. Himabindu	To strengthen the infrastructure of the department (instruments and books)	DST-FI ST	2013-2016	65.00 lakhs
7	Dr. T. Vijayalakshmi	Geospatial Technologies for Village Information System (in principle sanctioned and waiting for the orders)	NRDMS- - DST	2015-2017	40,00,000/-
8	Dr. T. Vijayalakshmi	Capacity building and strengthening Program on	NRDMS- -NSDI, DT	2015	10,00,000/-



		Geospatial Technologies for Env. Planning and management			
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18. Inter-institutional collaborative projects and associated grants received

a) National collaboration:

Dr. Ch. Sasikala

- University of Hyderabad
- Centre for Cellular and Molecular Biology
- University of Berhampur
- Swaminathan research foundation

Dr. V. Himabindu

- BARC
- Kakatiya University
- Osmania University
- IIT Kharagpur
- TERI
- CII
- EPTRI
- DST- NPCS: (Chaitanya chloride industry)
- BHU, IIT Kharagpur, Allahabad university, IICT Hyderabad, CBT-IST- MNRE
Dr. T. Vijayalakshmi
- NRDMS, DST
- Technical Collaboration with CAWSES, PRL, Ahmadabad to carry out upper atmospheric studies

b) International collaboration:

Dr. Ch. Sasikala

- IFM-GEOMAR, Kiel, Germany
- DSMZ, Germany
- Nippon School of Medical Sciences, Japan
- Sun chon National University, Korea
- Veterinary university, Vienna, Austria

Dr. M. Anji Reddy

- University of Florida College of Agricultural and Life Sciences (CALS), University of Florida ,
Gainesville, Florida.



- Department of Civil Engineering, University of Colorado Denver
- Asian institute of technology Bangkok, Thailand
- Linyi University, Linyi, China
- Northumbria University, Newcastle, UK

Dr. V. Himabindu

- IOWA State University, USA
- Saskatchewan University, Canada (combined PhD)
- Uppsala University, Sweden
- Jackson State University, USA (joint publications)
- IVL Environmental Research Institute, Sweden (joint project)

Dr. T. Vijayalakshmi

- TSU, USA
- VSU, USA for organizing International Conference in 2016

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received

- Total No. of Projects – 6, funding agencies – Mo ES (2) , MNRE, BARC, DST-NPCS, NRDMS- DST
- Total Amount: 223.23 Lakhs
- DST-FIST: To strengthen the infrastructure of the department (instruments and books) -- 65.00 Lakhs
- Women Scientist (02) : 29.5 Lakhs

S. No	Name of the Principal Investigator	Project Title	Funding agency	Duration	Amount Sanctioned
1	Mrs. Divya Kurade	Anaerobic Bacteria as Potential source for the production of Antimicrobial Compounds	Department of Science and Technology (DST, WOS-A)	2015-2017	14,74,000/-
2	Ms. Narala Chaitanya	Clean Energy production through biological treatment of various wastewaters	Department of Science and Technology (DST, WOS-A)	2015-2017	14,74,000/-

20. Research facility / centre with

State recognition

State Pollution Control Board

National recognition

NA



International recognition

NA

21. Special research laboratories sponsored by / created by industry or corporate bodies
- Centre for Environmental Science established a lab to study upper atmosphere by establishing optical Aeronomy lab in the PRC, Ahmadabad
22. Publications: Total Number of Publications - 89

Author	Title	Journal	Year (impact factor)
Dr. M. Anji Reddy	Development of Agropolitan area, using Remote Sensing and GIS, by Mohumad Mehidi Fazel beygi and Dr. M. Anji Reddy. International journal of Environmental Science(July-Dec 2013)	International journal of Environmental Science	2013
	Mandal level Information system using ARCGIS, A case study of Ongole mandal jointly with Mohumad Mehidi Fazel beygi and Dr. M. Anji Reddy. Journal of Science Environment and technology. Vol. 2 Issue 3. (June 2013).	Journal of Science Environment and technology.	2013
	Generation and evaluation of Cartosat -1 DEM for Hyderabad city. J. Swaraj and Dr. M. Anji Reddy. Indian Journal of Applied Research. Vol 3, issue 4. Page 191 – 192, 2013.	Indian Journal of Applied Research	2013
	Generation and evaluation of Cartosat -1 DEM for Hyderabad city. J. Swaraj and Dr. M. Anji Reddy. Indian Journal of Applied Research. Vol 3, issue 4. Page 191 – 192, 2013.	Indian Journal of Scientific Research	2013
	Assessment of Foliar biochemical feature of urban plantation in Industrial areas of Hyderabad (A.P. India) by Uma Devi Randhi and Dr. M. Anji Reddy in II World Conference on Engineering and Science held at Geetam University.	II World Conference on Engineering and Science	2013
	Strategic Environmental Assessment (SEA) of multimodal Transport on NH-9 in Hyderabad city using Remote Sensing and GIS by Ishita Roy, Vijaya Lakshmi T., Anji Reddy M, at (IJECS) International Journal Of Engineering And Computer	(IJECS) International Journal Of Engineering And Computer Science	2013



Science ISSN:2319-7242.		
A Relative study with facts and researches on Environmental Health sciences using Geographical Information System (GIS). Ishita Roy Anji Reddy M at (IJGE) International Journal Of Geomatics And Environment Issn: 0975-4822 Serials Publications.	International Journal Of Geomatics And Environment	2013
Emergency Information System (EIS) for the Multi Modal Transport Corridors in Hyderabad using GIS workflow. Ishita Roy, Anji Reddy M, Vijaya Lakshmi T., at (IJAES) International Journal Of Applied Environmental Sc. ISSN-0973-6077.	(IJAES) International Journal Of Applied Environmental Sciences	2013
Molecular modeling studies of few novel 3,4-heteroannelated quinolin-2-ones with DNA gyrase and invitro evaluation of their antibacterial activity published in journal of pharmacy research6(2013)389-394 by Jayashree anireddy, A. Tejeswara Rao. M. Anji Reddy.	journal of pharmacy research	2013
Molecular docking experiments of 4-Oxitheino [3,2-c] quinoline-2-carboxylates with DNA and their potential anticancer property published in international journal of research in pharmaceutical and biomedical sciences ISSN:2229-3701 by A. jayashree Y. sathish, M. Anji Reddy.	international journal of research in pharmaceutical and biomedical sciences	2013
Remote sensing and evaluation of natural resources in Iran, M. Mehdi Fazalbeygi and Dr. M. Anji Reddy and Farideh Shahraki. 2012, Life Science Journal. 2012; VOL 9(2). New York, USA.	Life Science Journal	2012
Natural resources planning for regional development, using remote sensing and GIS. M. Mehdi Fazalbeygi and Dr. M. Anji Reddy and Farideh Shahraki. International conference on sustainability development, 2012, new jersey, USA.	International conference on sustainability development,	2012



	Natural Resources planning for regional development, using geospatial technologies by Mohumad Mehidi Fazel beygi and Dr. M. Anji Reddy. Presented in 12 th International conference of science and technology Impact on Development and justice 7 th & 8 th February, 2012.	12 th International conference of science and technology Impact on Development and justice	2012
	Evolution of tolerant plant species in urban environment : A case from Hyderabad Industrial area by Uma Devi Randhi and Dr. M. Anji Reddy Universal Journal of Environmental Research and Technology, Vol.2 Issue 4 Page 300 – 304	Universal Journal of Environmental Research and Technology	2012
	Measurement and Mapping Air pollutant in Circle V Hyderabad city using Geomatics, by Dr. K. Santhosh Kumar, Uma devi, Dr. M. Anji Reddy. Indian Journal of Applied Research Volume 3 Issue 2.	Indian Journal of Applied Research	2012
	A Perspective analysis on Environmental Health using Geographical Information System Sciences. (GIS) Ishita Roy, Anji Reddy M. at Association Of American Geographers, Los Angeles CA, USA.	Association Of American Geographers	2012
	A comparative study on the water quality status of two major Inland water bodies in Hyderabad. India, Indian Journal of Applied Research, by V. Hema Shailaja and .M. Anji Reddy.	Indian Journal of Applied Research	2012
	Land resources action plan in Guntur district using Geographical Information System by Dr. M. Anji Reddy, Uma Devi Randhi, Dr. K. Santosh kumar and Dr. T. Vijaya Lakshmi in Universal Journal of Environmental Research and Technology, volume 8 issue 2	Universal Journal of Environmental Research and Technology	2012
Dr. Ch. Sasikala	Reclassification of Gemmobacter changlensis to a new genus as Cereibacter changlensis gen. nov., comb. nov.	Int. J. Syst. Evol. Microbiol. Accepted IJSEM-D-14-00017	2014 (IF 2.11)



	R2	
Spirochaeta luteus sp. nov isolated from marine habitats	Syst. Appl. Microbiol. Accepted SAM 4397R2	2014 (IF 3.288)
Integrated metabolomic and proteomic analysis reveals systemic responses of Rubrivivax benzoatilyticus JA2 to aniline stress	Journal of Proteome Research Accepted Manuscript ID: pr-2014-00725b	2014
Hymenobacter roseus sp. nov., isolated from sands of Himalayan region	Int. J. Syst. Evol. Microbiol. Under revision IJS/2014/066225:	2014 (IF 2.11)
Draft genome sequence of Rhodomicrobium udaipurensis JA643 ^T with special reference to hopanoid biosynthesis	DNA research 1-9 doi: 10.1093/dnares/dsu026	2014
Alcanivorax xenomutans sp. nov., a hydrocarbonoclastic bacterium isolated from a shrimp pond	Int. J. Syst. Evol. Microbiol. 64, 3553-3558	2014 (IF 2.11)
Thiophageococcus fuscus sp. nov., isolated from a lagoon	Int. J. Syst. Evol. Microbiol. 64, 2528-2533 DOI 10.1099/ijs.0.062182-0	2014 (IF 2.11)
Sphingopyxis contaminans sp. nov., isolated from a contaminated Petri dish	Int. J. Syst. Evol. Microbiol. 64, 2238-2243	2014 (IF 2.11)
Rhodoplanes oryzae sp. nov., a phototrophic alphaproteobacterium isolated from the rhizosphere soil of paddy	Int. J. Syst. Evol. Microbiol. 64, 2198-2203 doi:10.1099/ijs.0.063347-0	2014 (IF 2.11)
Bacillus luteus sp. nov., isolated from a soil	Int. J. Syst. Evol. Microbiol. 64, 1580-1586	2014 (IF 2.11)
Reclassification of Rhodospirillum photometricum (Molisch, 1907), Rhodospirillum sulfurexigens (Anil Kumar et al., 2008), Rhodospirillum oryzae (Lakshmi et al., 2013) into a new genus Pararhodospirillum gen. nov., as Pararhodospirillum photometricum comb. nov., Pararhodospirillum	Int. J. Syst. Evol. Microbiol. 64:1154-1159. Doi:10.1099/ijs.0.059147-0	2014 (IF 2.11)



sulfurexigens comb. nov. and Pararhodospirillum oryzae comb. nov. and emended description of the genus Rhodospirillum .		
Pontibacter ruber sp. nov., and Pontibacter deserti sp. nov., isolated from desert	Int. J. Syst. Evol. Microbiol. 64, 1006-1011.	2014 (IF 2.11)
Salinimicrobium sediminis sp. nov., isolated from a sea sediment	Int. J. Syst. Evol. Microbiol. 64, 986-988.	2014 (IF 2.11)
Rhodovulum salis sp.nov., and Rhodovulum viride sp. nov., phototrophic alphaproteobacteria isolated from marine habitats	Int. J. Syst. Evol. Microbiol. 64, 957-962 Doi;10.1099/ijso.058974-0	2014 (IF 2.11)
Aniline is inducer, and Not a Precursor, for Indole Derivatives in Rubrivivax benzoatilyticus JA2	PLOS one 9, 1-10 e87503	2014 (3.73)
Ciceribacter lividus gen. nov., sp. nov., isolated from rhizosphere soil of chick pea (Cicer arietinum L.)	Int J Syst Evol Microbiol. 63:4484-4488 Doi 10.1099/ijso.049726-0	2013 (IF 2.11)
Cohaesibacter haloalkalitolerans sp. nov., isolated from Lonar soda lake, India and emended description of the genus Cohaesibacter	Int. J. Syst. Evol. Microbiol. 63, 4271- 4276 doi: 10.1099/ijso.050112-0	2013 (IF 2.11)
Molecular and culture dependent characterization of endolithic bacteria in two beach sand samples and description of Rhizobium endolithicum sp. nov.	Ant. Van. Leeuwenhook J. Microbiol. 104: 1235-1244 Doi;10.1007/710482-03-0046-7	2013
Salinicoccus halitifaciens sp. nov., a novel bacterium participating in halite formation	J. Microbiol. 103:885-98. doi: 10.1007/s10482-012-9870-4	2013 (IF 2.072)
Emended description of the genus Rhodothalassium Imhoff et al., 1998 and proposal of Rhodothalassiaceae fam. nov., and Rhodothalassiales ord. nov.	Syst. Appl. Microbiol. 36:28-32. doi: 10.1016/j.syapm.2012.09.003	2013 (IF 3.288)
Carbon catabolite repression independent and pH dependent production of indoles by Rubrivivax benzoatilyticus JA2	Current Microbiol. 67:399–405 DOI 10.1007/s00284-013-0378-6	2013 (IF 1.520)



Neurosporene is the major carotenoid accumulated by <i>Rhodobacter viridis</i> JA737 ^T	Biotechnol. Lett. 35:1093–1097 DOI 10.1007/ s10529-013-1181-y	2013 (IF- 1.853)
<i>Arcobacter anaerophilus</i> sp. nov., isolated from an estuarine sediment and emended description of the genus <i>Arcobacter</i>	Int. J. Syst. Evol. Microbiol. 63, 4619–4625 Doi:10.1099/ijs.0.0 54155-0	2013 (IF 2.11)
<i>Erythrobacter odishensis</i> sp. nov. and <i>Pontibacter odishensis</i> sp. nov. isolated from dry soil of a solar saltern	Int. J. Syst. Evol. Microbiol. 63, 4524–4532 Doi:10.1099/ijs.0.0 52183-0	2013 (IF 2.11)
<i>Flavobacterium aquaticum</i> sp. nov., isolated from a water sample of a rice field	Int. J. Syst. Evol. Microbiol. 63, 3463-3469 doi: 10.1099/ijs.0.05004 7-0	2013 (IF 2.11)
<i>Mongoliicoccus alkaliphilus</i> sp. nov. and <i>Litoribacter alkaliphilus</i> sp. nov. isolated from salt pans	Int. J. Syst. Evol. Microbiol. 63, 3457-3462 doi: 10.1099/ ijs.0.049924-0	2013 (IF 2.11)
<i>Rhodospirillum oryzae</i> sp. nov., a phototrophic bacterium isolated from rhizosphere soil of paddy	Int. J. Syst. Evol. Microbiol 63,3050-3055 DOI:10.1099/ijs.0.0 49023-0	2013 (IF 2.11)
<i>Rhodomicrobium udaipurensis</i> sp. nov., a psychrotolerant phototrophic alphaproteobacterium isolated from a fresh water stream	Int. J. Syst. Evol. Microbiol. 63,2684-2689 doi:10.1099/ijs.0.04 6409-0	2013 (IF 2.11)
<i>Chryseomicrobium amylolyticum</i> sp. nov., isolated from a semi-arid tropical soil of India and emended descriptions of the genus <i>Chryseomicrobium</i> Arora et al. 2011 and <i>Chryseomicrobium imtechense</i> Arora et al., 2011	Int. J. Syst. Evol. Microbiol. 63,2612-2617 doi:10.1099/ijs.0.04 4552-0 ijs.0.044552-0	2013(IF 2.11)
<i>Vogsella alkaliphila</i> sp. nov., isolated from an alkaline soil, and emended description of the genus <i>Vogsella</i>	Int. J. Syst. Evol. Microbiol. 63:2338-2343 doi:10.1099/ijs.0.04 6300-0	2013 (IF 2.11)



Spirochaeta sphaeroplastigenens sp. nov., a novel halo-alkaliphilic, obligately anaerobic spirochaete isolated from soda lake Lonar, India.	Int. J. Syst. Evol. Microbiol. 63:2223-2228 (DOI:10.1099/ijms.0.046292-0)	2013 (IF 2.11)
Falsirhodobacter halotolerance gen. nov. sp. nov. isolated from a solar saltern.	Int. J. Syst. Evol. Microbiol. 63:2132-2137 doi:10.1099/ijms.0.044107-0	2013 (IF 2.11)
Rhizobium subbaraonis sp. nov. an endolithic bacterium isolated from beach sand	Int. J. Syst. Evol. Microbiol. 63:581-585. doi:10.1099/ijms.0.041442-0	2013 (IF 2.11)
Rhodopseudomonas pentothentaxigens sp. nov. and Rhodopseudomonas thermotolerans sp. nov., isolated from paddy soils	Int. J. Syst. Evol. Microbiol. 63: 200-207. doi:10.1099/ijms.0.038620-0	2013 (IF 2.11)
Rhodobacter viridis sp. nov., a phototrophic bacterium isolated from Western Ghats of India	Int. J. Syst. Evol. Microbiol. 63: 181-186 Doi:10.1099/ijms.0.038471-0	2013 (IF 2.11)
Carotenoids in Rhodoplanes species: Variation of compositions and substrate specificity of predicted carotenogenesis enzymes	Current Microbiol. 65: 150-155	2012
l-Phenylalanine catabolism and l-phenyllactic acid production by a phototrophic bacterium, Rubrivivax benzoatilyticus JA2	Microbiol. Res. 167: 526-531	2012
Rhodovulum bhavnagarensis sp. nov., a phototrophic alphaproteobacterium isolated from a pink pond	Int. J. Syst. Evol. Microbiol. 62: 2528-2532	2012 (IF 2.11)
Georgenia satyanarayanai sp. nov., an alkaliphilic and thermotolerant amylase-producing actinobacterium isolated from a soda lake.	Int. J. Syst. Evol. Microbiol. 62: 2405-2409	2012 (IF 2.11)
Rhodopseudomonas parapalustris sp. nov. Rhodopseudomonas pseudopalustris sp. nov. and Rhodopseudomonas harwoodiae sp. nov.	Int. J. Syst. Evol. Microbiol. 62: 1790-1798	2012 (IF 2.11)
MLSA barcoding of Marichromatium spp. and	Syst. Appl. Microbiol.	2012



	reclassification of <i>Marichromatium fluminis</i> (Sucharita et al, 2010) as <i>Phaeochromatium fluminis</i> gen. nov. comb. nov.	35, 221-225	
	Degradation of chlorinated nitroaromatic compounds	Appl Microbiol Biotechnol 93: 2265-2277	2012
	<i>Phaeospirillum tilakii</i> sp. nov., a phototrophic alphaproteobacterium isolated from Nelapattu bird sanctuary and from western ghats of India	Int. J. Syst. Evol. Micribiol. 62: 1070-1075	2012 (IF 2.11)
Dr. V. Hima Bindu	Distribution of uranium concentration in ground water samples from the peddagattu/ nambapur and seripally regions using laser fluorimetry,	Radiation protection dosimetry*	Sep-18, 2013
	Degradation of Rabeprazole-N-oxide in aqueous solution using sonication as an advanced oxidation process.	Journal of Environmental Chemical Engineering,*	Oct-11, 2013
	Flame Synthesis of Carbon Nanorods with / without catalyst.	International Journal of Innovation and Applied Studies*	May-20, 2013
	Synthesis of Nano Phase Titanium Dioxide (TiO ₂) In Diffusion, Flame Reactor and It Application in Photocatalytic Reaction	Int. Journal of Engineering Research and Applications,*	Feb-20, 2014
	Reactivation and Recycling of Spent Carbon Using Solvent Desorption Followed by Thermal Treatment (TR)	Journal of Material Cycles and Waste Management*	Feb-27, 2014
	Effect of system optimizing conditions on biohydrogen production from herbal wastewater by slaughterhouse sludge,	International Journal of Hydrogen Energy*	5 May 2014
	Assessment of radon concentration and external gamma radiation level in the environs of the proposed uranium mine at Peddagattu and Seripally regions, Andhra Pradesh, India	Journal of Radiation Research and Applied Sciences,*	July-20, 2014
	Effect of Operational Parameters on Heavy Metal Removal by Electrocoagulation	Environmental Science and Pollution Research*	July-10, 2014
	Assessment of water quality of Peddacheruvu, Sambaiah cheruvu, Gaddapotharam and Rudraram cheruvu of Medak district,	Journal of Engineering Science and Technology Review*	Feb-23, 2014



	Treatment of the petroleum refinery waste water using combined electrochemical methods	Desalination and Water Treatment*	Dec-20, 2014
	Reactivation and Recycling of Spent Carbon Using Solvent Desorption Followed by Thermal Treatment (TR), Journal of Material Cycles and Waste Management,.	2015*2015. In press. SSN: 1611-8227	2015 (IF 2.88)*
	Preparation and characterization of green bricks using pharmaceutical industrial wastes,	Accepted in ESPR,	Aug, 2015
	Hydrogen Production Using Thermo Catalytic Decomposition of Methane on Ni 30 /activated Carbon and Ni 30 /carbon Black,	Accepted in ESPR,	Aug, 2015
	Synthesis of Zinc Oxide by Flame Synthesis Method – It's Application for Hydrogen Storage and its Cycling Stability Studies,	Accepted in ESPR,	Aug, 2015
	Facile, soot free approach toward synthesis of carbon nanoropes via chemical vapor deposition of acetylene in the presence of MnFe ₂ O ₄ coated on stainless steel	Applied surface science	2015 (IF 1.44)*
	Selection of pretreatment method for enriching hydrogen producing bacteria using anaerobic sewage sludge with three different substrates	*accepted in Biofuels November 2015	2015
Dr. T. Vijaya lakshmi	Strategic Environmental Assessment(SEA) of Multimodal Transport on NH-9 in Hyderabad City using Remote Sensing and GIS	IJIRSET	Dec-2011
	Changes in soil enzyme activities under the influence of cotton ginning industry effluents	Asian Jr. of Microbial. Biotech. Env. Sc	Dec-2013
	Effect of paper industry effluents on physico chemical and biological properties of soil	IJIRSET	A U G 2013
	Effect of cotton industry effluents on physico chemical and biological properties of soil	IJIRSET	SEP 2013
	Soil microbial response to paper industry effluents	TBR	JANUARY 2013
	Impact of paper industry effluents on soil cellulase activity	IJETER	FEB 2014
	Impact of paper industry effluents on soil cellulase activity	IJETER	JAN 2014



Investigation on vertical coupling of atmospheric regions using combined multi wavelength optical day glow, magnetic, and radio measurements	B i o d i v e r s i t y Conservation	FEB 2013
Investigation on vertical coupling of atmospheric regions using combined multi wavelength optical day glow, magnetic, and radio measurements	Journal Geophysical Research: Space Physics	SEP 2013
Radiation Protection Dosimeter		FEB 2014
Gravity waves in the thermosphere: solar activity dependence	Advance in space research	55(2015) 1651-1659 2015 (IF 1.23)
Projected climate change impact on vegetation distribution over Kashmir Himalayas	Climate change	2015 (IF 3.4)19 June 2015

* Monographs : Nil

* Chapters in Books : Nil

* Edited Books : Nil

* Books with ISBN with details of publishers

Dr. M. Anji Reddy

- Environmental Impact Assessment: Theory & Practice BS Publications 2013
- Proceedings of International Conference on Environmental Management 2nd ICEM (2 volumes) BS Publications 2010

Dr. T. Vijayalakshmi:

- Book on Land use land cover change detection, Lap Lambert Academic Publishing, 2013



- * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **Nil**
- * Citation Index – range / average : **Nil**
- * SNIP : **Nil**
- * SJR : **Nil**
- * Impact Factor – range / average : **Nil**
- * h-index : **Nil**

23. Details of patents and income generated

Pregranted: Patents

- A process for extraction of neurosporene from a novel phototrophic bacterium *Rhodobacter viridis* JA737 T and utilisation thereof. (4196/ CHE/2012A)
- A microbiological method using marine water for the production of neurosporene from a marine bacterium *Rhodovulum* sp.ja756t and compositions containing the said pigment and process for making the same (4961/CHE/2012A).
- A process for the isolation and purification of lycopene from *Rhodospirillum sulfurexigens* JA 143T and *Rhodospirillum oryzae* JA 318T and utilization thereof (4962/CHE/2012A).
- Phototrophic Purple Bacteria as Dietary Supplements and as medicaments for reducing Total blood cholesterol, Triglycerides, LDL Cholesterol and feed compositions containing them. (4276/CHE/2013A).

24. Areas of consultancy and income generated **Total amount generated: 6.0 Lakhs (2011-2015)**

Industry	Consultancy work
Som Phytopharma	Identification of Bacteria
Ava Biotech	Identification of bacteria
Gene Biotech	Mass cultivation of <i>Rhodobacter sphaeroides</i>
Matrix laboratories	Membrane treatment process
Patancheru effluent treatment plant ltd	Waste water treatment using anaerobic batch reactor
AP GENCO	water sample analysis
TS GENCO	water sample analysis



Ramky Enviro Ltd

Impact Assessment study

Environmental solutions –

electrocoagulation studies for industrial waste water treatment

25. Faculty selected nationally / internationally to visit other laboratories / institutions industries in India and abroad

Dr. V. Himabindu:

- Visited for attending training on air the analysis of air pollutants at RTI, presented a talk at USEPA, and Old Dominion University, USA during 23rd April to 2st June 2014.
- Attended training program on “Capacity Building to Strengthen Management Training Programme” at ISB”, Hyderabad during 23rd & 24th, December, 2013.

Dr. M. Anji Reddy:

- Visited a number of universities in various states of USA from 27th May to 8th June 2012.
- Also participated NAFSA conference held in Houston, USA from 28th May to 1st June.
- Attended “Destination India-2013” A grand Indian Education Fair in NEPAL.
- Participated in “Indian Education Fair” in Srilanka - Colombo from 2nd to 3rd March 2013.

Dr. Ch. Sasikala:

- International symposium on photo tropic prokaryote (ISPP) (August 2-6 2015) in Germany and visits to university of Stuttgart, IFM-GEOMAR Kiel Germany and university of gothern burg Sweden

Dr. T. Vijaya Lakshmi

- 4 weeks training program at University of Virginia, USA Training on Remote sensing applications for vegetation dynamics, LULC and NRM. International 19th May-21st June, 2014, USA.
- Visit familiarised with internationally renowned scientists to work on remote sensing technology, helped in networking, resulting University of Virginia is participating in the forth coming conference.
- Shortlisted for the Science Diplomacy Workshop on Water Management, Sponsored by "The World Academy of Sciences" , Trieste, Italy during 30 Nov- 5th Dec., 2015.

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Dr. Ch. Sasikala

- Elected member of International committee on Systematics of Prokaryotes: subcommittee on the taxonomy of Phototrophic bacteria.
- Member, Editorial board of Indian Journal of Microbiology (Springer).
- Referee for International Journal of Hydrogen Energy (Elsevier Science Publishers),



Indian Journal of Microbiology (Springer) Indian Journal of Experimental Biology and Journal of scientific and industrial research (NISCOM, India), b Journal of General and Applied Microbiology (Centre for academic publications, Japan) etc.

- Technical reviewer for R and D projects of by DBT & CSIR, Government of India.
- Recognized as Govt. Analyst by Central Pollution Control Board, New Delhi.

Dr. M. Anji Reddy:

- Member of Statutory / Expert committee /Technical/Professional bodies.
- Former Chairman, A.P State level Expert Appraisal Committee (SEAC) of State Environmental Impact Assessment Authority (SEIAA)of Ministry of Environment & Forests, Govt. of India.
- Chairman, Board of Studies, Environment, JNTU Hyderabad.
- Executive Council, JNT University, Hyderabad.
- Member DST Project Advisory Committee Government of India.
- Member, Board of Studies, Environmental Science and Technology, Gulbarga University, Gulbarga, Karnataka.
- Technical Member, World Bank funded GIS project-IIIP.
- Member, Board of Studies, Bangalore University, India.
- Member, Board of Studies, Sri Venkateswara University.
- Member, Indian Society for Technical Education.
- Member, Indian Society for Water Resources.
- Member, Indian Society for Hydrologists.
- Member, Indian Society for Remote Sensing.
- Member, Indian Science Congress.
- Member DST, NRDMS Expert Project Advisory Committee (PAC) for major projects namely
 - Hyper spectral Signature Database Creation.
 - Data Model Development on 1:10000 scale.
 - Science plan for Kolleru Lake Restoration.
- Member, Technical expert committee, Women Scientist Scheme DST.
- Member, National Expert committee on Restoration of Village Ponds and Management NRDMS DST Government of India.
- Environmental expert member in CII (Confederation of Indian infrastructure).
- Environmental expert member in FAPTCI.
- Elected Fellow of AP Academy of sciences, 2012.
- Member, Technical expert committee, Women Scientist Scheme, DST.
- Member, National expert committee on Restoration of village ponds and



Management, NRDMS, DST, Government of India.

- Member, DST, NRDMS Expert Project Advisory Committee.
- Coordinator – TIFAC=CORE, DST.

Dr V. Hima Bindu

- Recognized as Govt. Analyst by Central Pollution Control Board, New Delhi.
- Life member of Indian society of Technical Education.
- Referee, for - International Journal of Hazardous materials (Elsevier Science Publishers).
- Polymers & Polymer Composites (Smithers Rapra Publishing).
- Journal of Hydrogen Energy (Elsevier Science Publishers).
- Journal of Environmental Chemistry and Ecotoxicology (academic journals).
- The Korean Journal of Chemical engineering.
- Journal of Environmental Technology

Dr. T. Vijaya lakshmi

- Member, State Expert Appraisal Committee, Constituted by MoEF, Govt. of India
- Life Member, Indian Society of Technical Education
- Member, American Geophysical Union., USA
- Member, Indian Science Congress Association
- Member, Expert committee, for the MEPMA, RAY projects, Govt. of A.P
- Member, State Expert Appraisal Committee, Constituted by MoEF, Govt. of India
- Reviewer, Geocarto International, Taylor & Francis
- Reviewer, Canadian Journal of Remote Sensing.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

- One day work shop on geospatial technologies for recourse management, July 2015, DST , (Coordinator: Dr. T. Vijayalakshmi)

28. Student projects

57 Projects

percentage of students who have done in-house projects including inter-departmental projects	20%
percentage of students doing projects in collaboration with other universities industry / institute	80%

Roll no.	Name of the student	Project guide	Topic	Place of work
12031 D 3102	ANANTHAGIRI SIDDARTHA	Dr. V. Venkateswara Reddy	Assessment of water qualities and sediment characteristics in	Pakala Lake Warangal



12031 D 3103	B E R I SHARADHA	Mr. Maryala Srinivas	Ultraviolet Sterilization Monitoring system with UV lamp failure detection	Mehdipatnam, Hyderabad
12031 D 3104	C H E E K A T I KRANTHI	Sri T. Murali Krishna	Development plan of water supply system for Ashwaraopalle village	Ashwaraopalle village, Raghunathapall e (M), Warangal Dist. A.P.
12031 D 3106	E G A BHUPATHI	Dr. Y. P r a m e e l a Devi	Material Recovery and characterization of PCB from E- Waste	Department of z o o l o g y , K a k a t i y a U n i v e r s i t y Warangal
12031 D 3109	K A M M A R I SINDHUJA	Mr. V. Rajasekhar	Medicine Refrigeration for Rural and Flood Affected Areas fast chilling solar based refrigerator	W i n e y a r d technologies, Hyd.
12031 D 3112	LEKKA VAMSI KRISHNA	Sri Madan Kuar. D. Tiwary Manager, HR	Production of bio fuel (bio-diesel) from different waste sources.	R A M K Y , Quthubullapur Mandal, R.R. Dist.
12031 D 3113	N A R E S H Y A D A V DONKADOKU LA	Dr. V. Venkateswara Reddy	Water Quality Assessment of Nakka vagu in Medak District.	J N T U H , K u k a t p a l l y , Hyderabad
12031 D 3114	REGAMDLA LALITHAANJA LI	Dr. M. Anji Reddy Director, R & D , J N T U H , Hyderabad	EIA for food processing industry	CEN, IST, JNTUH, Hyd.
12031 D 3115	SHAIK MOHD I M R A N AKRAM	M r . Rhishikesh Mahadev	E-Waste and its effects in Cyberabad IT zone	Cyberabad IT zone
12031 D 3116	S I M M A A D I T Y A PRASAD	Sri Madan Kumar. D. Tiwary Manager, HR	Landfill Leachates analysis & Their Treatment	R A M K Y , Quthubullapr Mandal, R.R. Dist.
12031 D 3117	S U M A MANTHA	Mr. T. Murali Krishna	Development plan of sewage management system for Ashwaraopalle village	Ashwaraopalle village, Raghunathapall e (M), Warangal Dist. A.P.
12031 D	S W E T H A	Dr. M. Anji	EIA of construction	CEN, IST,



3118	MUKKERA	Reddy Director, R & D, JNTUH, Hyderabad	project	JNTUH, Hyd.
12031 D 3119	THIPPIREDDY VENKATESWA RLU	Smt. V. Hema Sailaja	Decadal change of lakes water quality due to urbanization-A study in metro politan, Hyderabad	Lecturer, CEN, IST, JNTUH.
12031 D 3121	RAJESWARA RAO MENDA	K. V. Satyanarayana Prof., Dept. of Geophysics, Andhra University, Visakhapatna m	Ground water quality assessment, study of micro watershed at Komarthy village in Srikakulam, A.P.	Andhra University, Visakhapatnam
11031 D3104	G. MOUNISHA	Dr. M. Anji Reddy Director, R & D, JNTUH, Hyderabad	Identification of Potential Impacts due to construction and Infrastructure projects – A case study.	CEN, IST, JNTUH, Hyd.

M.Tech.(ENVIRONMENTAL GEOMATICS) III/IV-SEMESTER (2012-BATCH)

Roll no.	Name of the student	Project guide	Topic	Place of work
12031 D 6001	BANALA VENKATA RAMAN	Smt. V. Hema Sailaja	A study on the Trophic status of lakes in Hyderabad city using Remote Sensing, GIS and GPS technologies.	Lecturer, CEN, IST, JNTUH.
12031 D 6005	D. RAVI	Dr. M. E l a n d e r Reddy	Preparation of water shed management using GIS at Ralegan siddhi, Parner taluqa at Hamed nagar, Maharastra	CEN, IST, JNTUH, Hyd.
12031 D 6007	J. UMA	Dr. P.K. Kar	RS & GIS techniques for assessment of ground water quality of Hyderabad city (zone-VII))	Hyderabad city (zone-VII))
12031 D 6008	KARTHIK BUDDE	DR. T. V I J A Y A LAKSHMI	Geospatial Technologies for forest change assessment	CEN, IST, JNTUH, Hyderabad



12031 D 6009	M. KALYAN CHAKRAVART HY	Dr. M. E l a n d e r Reddy	Estimation of land use change impacts on ground water quality using remote sensing, GIS & GPS technologies a case study from Hyderabad	CEN, IST, JNTUH, Hyd.
12031 D 6010	MALOTH LALITHA	Ms. J.P. Sowjanya	Wild Fire risk in forestry	Forest Dept., Aranya Bhavan, Lakdikapur, Saifabad, Hyderabad
12031 D 6011	MAMIDI SRINIVAS	--	--	--
12031 D 6012	MYADARA SWETHA	Dr. A. Rammurthy	Forest cover change detection , mapping using RS & GIS of Bhadrachalam soth zonal area from (2002-2012)	Aranyabhavan, Hyd.
12031 D 6013	NARSIMHA . P.	Dr. A. Vamshikrishn a Reddy	Land use/land cover change impacts using Geospatial Technologies	CEN, IST, JNTUH
12031 D 6016	RAMISETTI NARENDRA BABU	Dr. A. Rammurthi	Preparation of working plan for management of forests using RS & GIS (A case study of Gudimalkapur beat)	Aranya Bhavan, Saifabad, Hyderabad
12031 D 6017	S. PRUDHVI RAJ GOUD	Dr. K. S a n t o s h Kumar	Health Information system for Rajahmundry urban local body using RS & GIS	Rajahmundry urban local body using RS & GIS
12031 D 6018	SUDDALA SWATHI	S r i A.S.R.K.V. M u r a l i Mohan	Programming using open source GIS Tools	Managing Director, Mobiterra Solutions (I), Pvt. Ltd.,, Hyd.
12031 D 6019	THUNGA ANURADHA	S r i A.S.R.K.V. M u r a l i	Hydrological mapping of large water sheds	Managing Director, Mobiterra



		Mohan		Solutions (I), Pvt. Ltd., Hyd.
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M.Tech.(ENVIRONMENTAL MANAGEMENT) III/IV-SEMESTER (2013-BATCH)

Roll no.	Name of the student	project guide & designation	Topic	Place of work organization
13031 D 3103	BOJJANI RAMESH BABU	Smt. Ch. Param Jyothi Executive Engineer	Recycle and Reuse of waste water and MAP recovery	MCIP Division, HMDA, Hyderabad.
13031 D 3105	K. RAMYA	Dr. N.L. Narasimha Rao Assoc. Prof.	Discernment of Vegetation cover changes by IRSP6LIS111 Imagery	N G B Academic Project consultant, D. No. 8-3-969/A, Triveni Apartments, Srinagar Colony, Hyderabad-07
13031 D 3106	K. VIDYASAGAR	Dr. P.S. Sagar PRO-Imagina tion Director,	Farmer Friendly irrigation system	PRO-Imaginati ons Pvt. Ltd., Venkatreddy colony, Hyderabad
13031 D 3111	SHILPA PRAYAGA	Dr. Ch. Sasikala Prof. & Head	Cultured & genetic diversity of bacteria of effluent treatment plants	CEN, IST, JNTUH, Hyd.
13031 D 3114	YUGANDHAR .P.	T. Muthu k u m a r a n . M.E. Certified E n e r g y Auditor, BEE	A practical approach to carry out energy audit in industries. methodology as per guidelines given by BEE	NSIC, echnical service centre, Kamala nagar, ECIL post, Hyd.
13031 D 3115	M. NIKHIL KUMAR	Mr.R. Gopala Krishna, B.E. (Mech.) Advospr.	Energy Auditing of Industrial facility	Zenith Energy Services Ltd., Masab tank, Hyd.



13031 D 3116	M. SHIVA KUMAR	Dr. Shilpi Sharma, Scientist	Documentation of biological diversity through peoples biodiversity registers (PBR) in Vantlamamidi BMC Paderu mandal Vishakapatnam district	A.P. State Biodiversity Board, Hyderabad
13031 D 3118	CHILAKA NITISHA RAJ	N . L . Narasimha Rao Assoc. Prof.	Discernment of Vegetation cover changes by IRSP6LIS111 Imagery	N G B Academic Project consultant, D. No. 8-3-969/A, Triveni Apartments, Srinagar Colony, Hyderabad-07
13031 D 3120	GOVIND SOWMYA	M . D . K . Tiwari, Technical Head	Treatment and stabilization of chromium containing waste	Ramky Enviro Engineers Ltd., Dundigal, Hyderabad
13031 D 3121	SANDEVENI SATEESH	Dr. Shilpi Sharma, Scientist	Documentation of biological diversity through peoples biodiversity registers (PBR) in Vantlamamidi BMC Paderu mandal Vishakapatnam district	A.P. State Biodiversity Board, Hyderabad
13031 D 3122	DIBYA ACHARYA	Dr. Sushil B. Bajracharya Asso. Prof.	A study on Thermal performance of traditional residential building of Kathmandu valley	Dept. of Architecture & Urban Planning Inst. Of Engg. Pulchowk Campus, Lalitpur, Nepal.
13031 D 3123	CH. RAJASHEKAR	Mr. P. Suresh Kumar EIA – Co-ordinator	Environment Impact Assessment for Symed lab	Right source Industrial Solution Pvt. Limited, Hyderabad

M.Tech.(ENVIRONMENTAL GEOMATICS) III/IV-SEMESTER (2013-BATCH)

Roll no.	Name of the student	Project guide & designation	Topic	Place of work organization
13031 D	ANANTHULA	Prof. V.	Envisioning Warangal	NIRD & PR,



6001	RAMBABU	Madhava Rao	urban sprawl expansion, economic growth and entrepreneurial opportunities	Hyd.
13031 D 6003	CHEDELLAPALI SUDHEER	Prof. V. Madhava Rao	Integrated watershed management plan using remote sensing & GIS	NIRD & PR, Hyd.
13031 D 6004	GURRAM REENA THEJASWI	Dr. Laxminarayan a.B.	Ground water quality assessment in a part of Hyderabad using GIS application	Shubhra Bio-Tech. Pvt. Ltd., Hyderabad
13031 D 6005	KANDIMALLA NAGAJYOTHI	Dr. Iswar Chandra Das	Assessment of fluoride distribution in ground water using mathematical models	NRSC, Bala Nagar, Hyd.
13031 D 6006	MANDAVA CHAITANYA GEETHIKA	Dr. A. Siva Sankar	Creation of commamur canal physical characteristics information system using remote sensing and GIS	K L University; vaddeswaram, Guntur
13031 D 6007	MANNE GOPAIAH	Dr. Iswar Chandra Das	Developing an integrated hydrogeological tool to detect shallow coastal aquifers	NRSC, Bala Nagar, Hyd.
13031 D 6008	MUDIGONDA MAHESH	Dr. R.S. Mahendra, Scientist 'C'	Coastal Vulnerability assessment along the Tamilnadu coast using the Geospatial Technology	INCOIS, Pragathi Nagar, Kukatpally, Hyderabad
13031 D 6009	PADALA NARESH	Dr. A.V. Subba Rao SSO, TRAC, Hyderabad	Preparation of disaster management plans using geospatial approach	SSO, TRAC, Mytrivanam, Hyderabad
13031 D 6010	PAVANI L.V.S.S. MANOGNA	Dr. N. Srinivas Rao	Automatic sea fog detection over North Indian Oceans using MODIS data	INCOIS, Pragathi Nagar, Hyderabad
13031 D 6013	YELATI JOYANNA	Dr. V. Madhava Rao, Asso. Prof. & Head, C GARD	Change detection study using geoinformatics for Nilambur block of Nilgiri bio sphere	NIRD, Rajender Nagar, Hyderabad
13031 D 6014	BASOJU RAJESH	Dr. C.S. Murthy, Head, ADM. Director	Drought occurrence analysis using microwave and optical indices	N.R.S.C. Hyderabad



13031 D 6015	PULIGILLA PRADEEP	Dr.A.V.Subba Rao Senior Scientific Officer	Optimal space based land use planning for Warangal town	SSO, TRAC, Hyderabad
13031 D 6017	N. NARESH NAIK	R. S. Mahendra, Scientist 'C'	Coastal vulnerability assessment along the Tamil Nadu coast using the Geospatial Techniques	INCOIS, Pragathi nagar, Hyderabad
13031 D 6018	DIVYA BASUTI	Dr. N. Srinivasa Rao	Detection and Analysis of internal waves using Satellite Ocean color imagery of North Indian Ocean	INCOIS, Pragathi nagar, Hyderabad
13031 D 6019	G A N J A M MANASWINI	Dr. Ch. Sudhakar Reddy	Conservation prioritization of forest ecosystem using Geospatial technologies	Forest and Ecology Division, NRSC, Balanagar, Hyderabad
13031 D 6020	SRIRANGAM ADITYA SRINU	Dr. Girish . S. Pujar Scientist - E	Assessment of trees outside forests (TCF) based on geospatially prioritized IRS high-resolution images	NRSC, Balanagar, Hyderabad
13031 D 6021	SHRAVANI. B.	Prof. V. Madhava Rao	Climate change & its impact assessment on watershed	NIRD & PR, Hyd.

29. **Awards / recognitions received at the national and international level by (Last four years)**

Faculty:

Dr. M. Anji Reddy

- Elected Fellow of AP Academy of sciences, 2012
- Indira Gandhi Excellence Award November 2013 by International Business Council, New Delhi, India.
- Bharat Ratna Sir Mokshagundam Visvesvaraya Award - 2013. Govt of AP and Institute of Engineers.

Dr. K. Mukkanti:

- Faculty members placed among top hundred researchers of India for 2011-2013, by OUTLOOK group Careers 360 magazine), from data obtained from Scopus. top 5 in pharmaceutical sciences

Dr. Ch. Sasikala:

- Faculty members placed among top hundred researchers of India for 2011-2013, by



OUTLOOK group Careers 360 magazine), from data obtained from Scopus. top 5 in microbiology

- Best Publication Award 2013 – Society For Advancement of Human and Nature (SADHNA), Dr YS Parmar university of Horticulture and Forestry Nauni, Solan, Himachal Pradesh, INDIA.
- Biography included in “Who is Who in the World” (Marquis Who’s Who), 1996 to 2013
- Biography included in “Asian Admirable Achievers”, 2006- 2013 Biography included in “Who is Who in Asia”, 2006-2013

Dr. T. Vijayalakshmi:

- Selected for “Further Education Leadership Program under UKIERI, a joint program by British High Commission, Dudley College, UK and Govt. of India, AICTE for the year 2014-2015.
- Shortlisted for the Science Diplomacy Workshop on Water Management, Sponsored by "The World Academy of Sciences" , Trieste, Italy during 30 Nov- 5th Dec., 2015.
- Technical member and co convener: National Seminar on ' Challenges in Implementing Geo-Information Technology Solutions ' held during 17-18th, November, 2015 at CESS, Hyderabad.
- Panel Member, Round table on ROUND TABLE ON WATER: IMPACT OF CLIMATE CHANGE AND OUR RESPONSES" organized by WWF-India’s Hyderabad Office in collaboration with the US Consulate General, Hyderabad, on 5th Oct 2015.
- Panelist, “Water in the 21st Century” in collaboration with State Water and Sanitation Mission, Department of Panchayat Raj and Rural Development, Government of Telangana, sponsored by Water Aid, India on 22nd March 2015.

Doctoral / post doctoral fellows awards:

- Ms. P. Seshabala was Received “Best Paper Award at ICBE- 2010”, Best Paper
- Award at ESD- 2011, ANU, Guntur.
- Ms. P. Seshabala was Received Young Scientist Award at ISEHT-2012, VSU, Nellore.
- All India first place in Student Research Convention “ANVESHAN 2010” Mr. V. Venkata Ramana, Ph. D student

30. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any

Conferences / Seminars / Symposium / Workshops	Duration	Conduc t at	Source of funding	Coordinator
World Water Day - One Day Workshop on “Challenges in Water Management Technologies”	26th March 2012	JNTUH	APPCB	Dr. V. Himabindu



Workshop on “ Hazardous Waste Management	27th March 2012	JNTUH	APPCB	Dr. V. Himabindu
Workshop on Latest trends in technological innovations to curb emissions	6th July 2012	JNTUH	ALSTOM	Dr. V. Himabindu
One day national work shop on “Genetically modified crops” on the eve of National Science Day	28th February 2013	JNTUH	IST	Dr. Ch. Sasikala
A simulation conference “COP in my city, Warsaw in Hyderabad” jointly with Revolution, an NGO	20th November 2013	JNTUH	NGO & JNTUH	Dr. Ch. Sasikala
National workshop on “Recent Advances in Science &Technology	5th March 2014	JNTUH	TEQIP-II	Dr. Ch. Sasikala
National level technical festival on Environmental science & technology, Avani on 2014	13-14th March, 2014	JNTUH	Registration fee NGO	Dr. Ch. Sasikala
National conference on “Renewable and Sustainable Energy	27th & 28th June 2014	JNTUH	TEQIP –II, IST and CEH	Dr. V. Himabindu
International Conference on Environment and Energy (ICEE-2014)	15th - 17th, December-2014	JNTUH	TEQIP -II, DST and DRDO	Dr. V. Himabindu
One day work shop on geospatial technologies for recourse management	July 2015	JNTUH	NRDMS-NSDI, DST	Dr. T. Vijayalaksmi
GIS day	21 November	JNTUH	TEQIP-II	Dr. T. Vijayalaksmi

31. Code of ethics for research followed by the departments

- Extending facilities to individual faculty members
- Complete administrative support at the Centre level
- Non interference and transparency
- Cooperation among the faculty members in usage of laboratories
- Research scholars are encouraged motivated to interact with scientist. Experts nationally and internationally

32. Student profile programme-wise

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage
		Male	Female	
M.Tech (Environmental Management) year	16	11	05	96.4%



2010 batch				
M.Tech (Environmental Geomatics) year 2010 batch	07	05	02	100%
M.Tech (Environmental Management) year 2011 batch	14	09	05	94%
M.Tech (Environmental Geomatics) year 2011 batch	13	11	02	100%
M.Tech (Environmental Management) year 2012 batch	22	17	05	86%
M.Tech (Environmental Geomatics) year 2012 batch	20	14	06	78%
M.Tech (Environmental Management) year 2013 batch	23	17	06	90%
M.Tech (Environmental Geomatics) year 2013 batch	21	11	10	74%
M.Tech (Environmental Management) year 2014 batch	18	12	06	NA
M.Tech (Environmental Geomatics) year 2014 batch	19	15	04	NA
M.Tech (Environmental Management) year 2015 batch	19	14	05	NA
M.Tech (Environmental Geomatics) year 2015 batch	15	14	01	NA

33. **Diversity of students**

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2015-2016	--	100%	--	--
2014-2015	--	100%	--	--
2013-2014	--	100%	--	--
2012-2013	--	90%	--	10%

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

- A. Srinivas –NET
- Dr. KVNS lakshmi SLET
- Varshini -UGC
- K. Pushparaju-NET
- D. Pavakumar-Civil Services
- Mr. Raju Goud- TSPSC



35. Student progression

Student progression	Percentage against enrolled	
UG to PG	NA	
PG to M.Phil.	NA	
PG to Ph.D.	30%	
Ph.D. to Post-Doctoral	--	
Employed	--	
Campus selection	--	
Other than campus recruitment	60%	
Entrepreneurs	10%	
National level fellowships/placements	Kothari PDF	3
	CSIR-RAs	4
	CSIR/UGC-JRFs/SRFs	12
	MNRE-SRF	4
	Jawaharlal Nehru Fellowship	1
	DST Women Scientist projects	3
	DST Young Scientist projects	2
	BITP of BCIL	2
	APNL-JRF	1
	Scientist "C" in CSIR labs	2
	Other Placements	378

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	25%
from other universities within the State	75%
from universities from other States	--
from universities outside the country	--

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period 1 (Adhoc lecturer)

38. Present details of departmental infrastructural facilities with regard to



- a) Library >850
- b) Internet facilities for staff and students **Yes**
- c) Total number of class rooms YES 4(2 Class Rooms in OLD IST , 2 Class Rooms in New IST)
- d) Students' laboratories **Yes**
- e) Research laboratories
 - Water Pollution Lab
 - Waste Treatment Lab
 - Air Pollution Lab
 - Instrumentation Lab
 - Nano materials Lab
 - Molecular biology lab
 - Environmental Microbiology lab
 - Biochemistry lab
 - Bacterial discovery lab
 - Bioinformatics & Environmental Modelling Lab
 - Inoculation and culture room
 - Environmental Geomatics Lab
 - Photogrammetry and Visual Image Analysis Lab
 - GIS / Remote Sensing Digital Data Analysis Lab
 - CAD / Digitization Lab.
 - Optical Aeronomy lab.

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university
- from other institutions/universities

Sailaja, B	SRF
T. Sravanthi	JRF
K. Harikrisham Naidu	JRF
A. Srinivas	SRF
B.Divya sree	Inspire
Shivami Yadav	SRF
K. Srilatha	SRF
Shivarana krishnan	SRF
G. Kalyani	RG National fellow
K. Rahul	SRF
EVV Ram Prasad	SRF
M. Azmatunnisa	MANF
S.U.B Ramakrishna	SRF



D.Bhagavan	SRF
N. Chaitanya	DST women scientist
Moid	TEQIP assistantship
Abhilash	TEQIP assistantship
Yamuna	JNTUH
Sowjanya	JNTUH
D. Srinivasulu Reddy	CSIR SRF
G. Shankaraiah	JNTUH
Mr.Prakash Naik	CRIDA
Mr.Quadir	MANU
Col..Jayaram	MoD, Govt. of India
Mr.Prasad	INCOIS
Mr.Venkateswar Reddy	JNTUH
Mr.Raghavendra	JNTUH
Shakeelabanu	JNTUH

40. Number of post graduate students getting financial assistance from the university. **TEQIP II :**
- 2013-2014 year -8 students
 - 2014-2015 year -8 students
41. Was any need assessment exercise undertaken before the development of new programme (s)? If so, highlight the methodology. **Nil**
42. Does the department obtain feedback from **Yes**

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?	• Learning ability of students is being evaluated based on the pedagogical models like VARK
b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?	• Curriculum is being revised in consultation with the industry, alumni, and market demands.
c) Alumni and employers on the programmes offered and how does the department utilize the feedback?	• Particularly in case of M.Tech Environmental Management and M.Tech Environmental Geomatics, the course is revised after seeing the feedback from the students.

43. List the distinguished alumni of the department (maximum 10)
1. Dr. Aparna: Lecturer Veermata Jijabai Technological Institute (VJIT)
 2. Dr Azeemunissa: Assistant professor in Osmania University



3. Dr. Santhosh: Assistant professor, in Engineering College of Medak
 4. Dr. P. Saritha: Assistant professor in Malla reddy Institute of Technology
 5. Dr Nalini Vijaya Lakshmi: Environmental Engineer in consultancy college
 6. Dr. Jashua scientist NEERI Nagpur
 7. Dr. Valli manikyam: administrative staff college Hyderabad
 8. Dr. Jyosna: associate professor VNR, Hyderabad
 9. Dr. Rambabu research associate saskatchewan university Canada
 10. Mr. Raj Kumar is working as Environmental Engineer in Telangana State
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.
- All India first place in Student Research Convention “ANVESHAN 2010” Mr. V. Venkata Ramana, Ph. D student
 - City strategist award for a document, greening Hyderabad in 2010 to Ms. Madhuri (M.Sc EST-3rd Sem)
 - “Devathalara Rakshinchandi” a skit on Environmental pollution by students of M.Sc. Environmental Sciences on the University convocation day.
 - Promotion of Clay idols of Lord Vinayaka for “Vinayaka Chavithi” as a eco-friendly measure by students of M.Sc EST & EBT
 - Exhibition of environmental pollution mitigation measures on world Environmental day by students of Centre for Environment.
 - Constructed rain water harvesting pit at old IST building (Students of M.Sc EST, 2010). First ever at JNTUH campus
 - Prakruthi Paryavaranam-2012 1st Prize in Group discussion
 - Helping Kurnool flood victims
 - Say no to plastics (sale of eco-friendly packing material) and donating the proceedings to a school for the blind
 - Blood donation camps
 - Students teaching high school students in slums, free.
45. List the teaching methods adopted by the faculty for different programmes.
- We are conducting few surveys like VARK surveys for assessing learning capabilities of the students.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- Through questionnaires,
47. Highlight the participation of students and faculty in extension activities.
- We were involved in program on "Wealth out of Waste, with ITC", in bringing awareness to the public on waste minimization, recycling and reuse.



48. Give details of “beyond syllabus scholarly activities” of the department.
- Students/Research scholars/and faculty are being involved in the organization number of conferences /training programmers/ workshops.
 - This enables the students/faculties/Research scholars to enrich their knowledge in subject domain
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.
- N.A.
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- Technology Information, Forecasting and Assessment Council(TIFAC), CENTRE in Environmental Geomatics
 - Capacity building and strengthening, in Geospatial Science and Technology.
51. Detail five major Strengths, Weaknesses, Opportunities, and Challenges (SWOC) of the department.

Strengths	Weaknesses	Opportunities	Challenges
Good networking with National and International organizations	Shortage of Faculty	Interaction with industry	Infrastructure funds

52. Future plans of the department.
- Centre for Environment has prepared Strategic Implementation plan and need to be approved by the members of the Board of Studies and other experts

Details of the international conference publications

Dr. V. Himabindu

1	E. L. Santhi priya, C. Mahender, V. Viditha, K. Naga Mahesh, V. Himabindu , Y. Anjaneyulu, “Composite Membrane For Hydrogen Production as a Clean Fuel Using PEM Water Electrolyser ” Presented paper at ICEM, 25 – 28, October 2010, at JNTUH, Hyderabad.ISBN No. 978-81-7800-252-1.
2	V. Viditha, E.L.Santhi priya, C. Mahender, K.Naga Mahesh, V. Himabindu, Y.Anjaneyulu,“ Hydrogen Storage studies on MOF-177 ” Presented paper at ICEM, 25 – 28, October 2010, at JNTUH, Hyderabad. ISBN No. 978-81-7800-252-1.
3	C. Mahender, S. U. B. Ramakrishna, , K. Pooja, G. Kalyani, V. Anusha, K. Srilatha, M. Sivaramakrishnan, V. Himabindu*, T. Vijaya Lakshmi “Analysis of Radio nuclides and Trace Metals in Environmental Matrices and Food Samples in Uranium Mining Site”. Presented paper at ICEM, 25 – 28, October 2010, at JNTUH, Hyderabad. ISBN No. 978-81-7800-252-1.



4	Shankaraiah Golla, Nalini Vijayalaximi Pedamalla, Saritha Poodari, Himabindu Vurimindi* and Anjaneyulu Yerramilli Sonochemical Oxidation of Rabepazole-N-Oxide in Aqueous Solutions. Presented paper at ICEM, 25 – 28, October 2010, at JNTUH, Hyderabad. ISBN No. 978-81-7800-252-1.
5	M. Sivaramakrishnan , B. Satish Kumar, D.Sivaramakrishna1, A. Kavitha, V. Himabindu* and M. Lakshmi Narasu “Biohydrogen production from sewage wastewater by using up flow anaerobic sludge blanket reactor” presented at In CoFIBS- 2010, 1-3 October 2010, Department of Life Science, National Institute of Technology, Rourkela, India
6	B. Satish Kumar, M. Sivaramakrishnan, D. Sivaramakrishna, A. Kavitha,V. Himabindu*, M. Lakshmi Narasu “Hydrogen production from the fermentation of rice husk wastes with acidification pretreatment process” presented at InCoFIBS- 2010, 1-3 October 2010, Department of Life Science, National Institute of Technology, Rourkela, India.
7	Naga Mahesh, V. Himabindu, Presented paper titled “Palladium supported on Carbon nanomaterials and Carbon black as cathode electrocatalyst for a single cell PEM electrolyser” in International Conference on Advanced Materials (ICAM), December 12-16 (2011), Coimbatore, Tamil Naidu.
8	V.Himabindu, Presented paper titled “Hydrogen Production Using PEM Water Electrolyser and Hydrogen Adsorption On Carbon Nanomaterials” in Indian Association for the Cultivation of Science (IACS) at Kolkata, January (2012).
9	V.Himabindu, Presented paper titled “Studies on Growth and Lipid Production of Microalgae Chlorella Vulgaris and Botryococcus Braunii at Different CO ₂ Concentrations In Culture Flasks And Raceway Ponds” in International Algal summit –“Algae for Sustainable Development” from 21-22 nd February (2012), New Delhi
10	E.L.Santhi priya, K.Naga Mahesh, V.Himabindu ,Y.Anjaneyulu., “hydrogen production by using compositemembrane (nafion/zro ₂)-basedsolid polymer electrolyte water electrolyser”,4 th International Conference on Advanced Nano Materials, ANM 2012, Indian Institute of Technology, Madras,Chennai, India, October 17 th – 19 th , 2012.
11	D. Sivaramakrishna, D. Sreekanth, M. Sivaramakrishnan, B.Satish kumar, V. Himabindu* , 6M. Lakshmi Narasu. Effect of system optimization conditions on biohydrogen production f7rom herbal wastewater by slaughterhouse sludge, International conference on Advances in Bi8ological Hydrogen Production and Applications. 14-15 December 2012, JNTUH, India.
12	V. Viditha, K. Srilatha, M. Venkateswar rao, V. Himabindu and Anjaneyulu Yerramilli. Synthesis and characterization of metal organic framework (MOF-5) for use in Hydrogen storage, International conference on Advances in Biological Hydrogen Production and Applications. 14-15 December 2012, JNTUH, India.
13	B. Satish kumar, M. Sivaramakrishnan, V. Himabindu* , M. Lakshmi Narasu. Optimization of biohydrogen production from brewery effluent using sewage mixed consortia at different scales, International conference on Advances in Biological Hydrogen Production and Applications. 14-15 December 2012, JNTUH, India.
14	M. Sivaramakrishnan, B.Satish kumar, S. U. B Ramakrishna, V. Himabindu* , M. Lakshmi



	Narasu. The sustainable hydrogen generation in an microbial electrolysis cell by using the effluent from the hydrogen fermentation system, International conference on Advances in Biological Hydrogen Production and Applications. 14-15 December 2012, JNTUH, India.
15	Y. Srinivas, N.Chaitanya, V. Himabindu*, M. Lakshmi Narasu. Fermentative hydrogen production from dairy waste water using anaerobic mixed micro flora, International conference on Advances in Biological Hydrogen Production and Applications. 14-15 December 2012, JNTUH, India.
16	N.Chaitanya, Y. Srinivas, V. Himabindu ¹ *, M. Lakshmi Narasu. Feasibility study on fermentative conversion of raw and pretreated starch to hydrogen using anaerobic mixed micro flora, International conference on Advances in Biological Hydrogen Production and Applications. 14-15 December 2012, JNTUH, India.
17	K. Venkateswar Reddy, T. Vijayalakshmi, M. Sivarama Krishnan, V. Himabindu*, M. Lakshmi Narasu. Isolation and characterization of biohydrogen production cellulolytic bacteria, International conference on Advances in Biological Hydrogen Production and Applications. 14-15 December 2012, JNTUH, India.
18	T.Raghavendra, K.Srilatha, C.Mahender, Elender, T.Vijayalakshmi, V.Himabindu, K.Vishwa Prasad, P.Padma Savithri, D.Datta, J.Arunachalam, Estimation of Polonium Concentration in Ground water Samples from the Peddagattu/Nambapur and Seripalli regions using Alpha-Spectrophotometry, International conference on Po and Radioactive Pb Isotopes (INCO-PoPb-2013), February 10-13, 2013.
19	Yamuna Rani. M, Bhagawan.D, Himabindu.V, Venkateswara Reddy.V, Manufacturing of Eco-environmental Bricks Containing Lake Sediment: Hussain Sagar, India, International Society of Waste Management, Air and Water (ISWMAW), ANGRU, Hyderabad, 28-30 th Jan-2014. ISBN 81-86862-49-8.
20	Bhagawan. D, Saritha Poodari, Kumara Swamy. Banda, Ravi Kumar, Ch. Anand, Shankaraiah Golla, Vurimindi Himabindu, S. Vidyavathi, Treatment of Solid Waste Using Solidification and Stabilization Technique, International Society of Waste Management, Air and Water (ISWMAW), ANGRU, Hyderabad, 28-30 th Jan-2014. ISBN 81-86862-49-8.
21	K. Srilatha, V.Viditha, V. Himabindu, Y. Anjaneyulu, Production of hydrogen and carbon nano tube using Ni-SBA-15 catalyst, International Conference on Nanoscience and Engineering Applications-2014. During 26-28 June-2014 at JNTUH. ISBN:978-81-924726-2-1
22	Kalyani Gorre and V.Himabindu, Biodegradation of Ammonical Nitrogen Using Two Step Activated Sludge Process, International conference on Hydrology & watershed Management. 29 th October – 1 st November 2014 at JNTUH.
23	Kalyani Gorre and V.Himabindu, Ammonical Nitrogen Removal from Synthetic Waste Water by using Albite, Activated Carbon and Resin, International conference on Hydrology & watershed Management. 29 th October – 1 st November 2014 at JNTUH.



24	K.Pooja, D.Sreekanth, S.Shakeela Banu and V.Himabindu, Treatment of Dairy Wastewater Using Microalgae <i>Botryococcus braunii</i> for Simultaneous Lipid Production, International conference on Hydrology & watershed Management. 29 th October – 1 st November 2014 at JNTUH.
25	S.Shakeela Banu, G.shankaraiah, V.Himabindu and K.Ramamohan Reddy, Preliminary Studies on Removal of Chemical Oxygen Demand from Pharmaceutical Wastewater using Photo-Catalysis, International conference on Hydrology & watershed Management. 29 th October – 1 st November 2014 at JNTUH.
26	K.Pooja, V.Himabindu, Mixotropic growth of microalgae using industrial flue gases for biodiesel production, International Conference on Environment and Energy-2014 [ICEE-2014].15-17 th December 2014 at JNTUH. ISBN: 978-93-81212-96-7
27	C.Mahender, E.L.Santhi priya, B.Murali, V.Himabindu, Synthesis of nano-phase TiO ₂ composite membrane (nafion/ TiO ₂) and its application in PEM water electrolysis cell, International Conference on Environment and Energy-2014 [ICEE-2014].15-17 th December 2014 at JNTUH. ISBN: 978-93-81212-96-7
28	E.L.Santhi priya, C.Mahender, V.Viditha, V.Himabindu, Y.Anjaneyulu, Hydrogen Production by using Composite Membrane (Nafion/Al ₂ O ₃) in PEM water electrolysis, International Conference on Environment and Energy-2014 [ICEE-2014].15-17 th December 2014 at JNTUH. ISBN: 978-93-81212-96-7
29	S.U.B.Ramakrishna, D.Srinivasulu Reddy, V.Himabindu, Performance Studies of Oxygen Evolution Reaction of Ru _{0.7} Mn _{0.3} O ₂ and Pd _{0.7} Mn _{0.3} O ₂ as anode electro catalysts in Proton Exchange Membrane (PEM) water electrolysis, International Conference on Environment and Energy-2014 [ICEE-2014].15-17 th December 2014 at JNTUH. ISBN: 978-93-81212-96-7
30	K.Srilatha, D.Srinivasulu, S.U.B.Ramakrishna, V.Himabindu, Hydrogen Production Using Thermo Catalytic Decomposition of Methane on Ni30/Activated Carbon and Ni30/Carbon Black , International Conference on Environment and Energy-2014 [ICEE-2014].15-17 th December 2014 at JNTUH. ISBN: 978-93-81212-96-7
31	D.Srinivasulu, S.U.B.Ramakrishna, K.Srilatha, D.Ravikumar, V.Himabindu, P.Bhramara, Synthesis and Performance of Pd/CNT's as hydrogen electrode and Pd-RuO ₂ as Oxygen electrode for unitized regenerative fuel cell (URFC), International Conference on Environment and Energy-2014 [ICEE-2014].15-17 th December 2014 at JNTUH. ISBN: 978-93-81212-96-7
32	V.Viditha, K.Srilatha, V.Himabindu, Synthesis of Zinc Oxide by Flame Synthesis Method – It's Application for Hydrogen Storage and its Cycling Stability Studies, International Conference on Environment and Energy-2014 [ICEE-2014].15-17 th December 2014 at JNTUH. ISBN: 978-93-81212-96-7
33	T.Raghavendra, K.Srilatha, T.Vijayalakshmi, V.Himabindu, K.Vishwa Prasad, J.Arunachalam, Assessment of natural radionuclide concentration in ground water around the proposed uranium mine at Peddagattu and Seripally regions, Nalgonda, India, International Conference on Environment and Energy-2014 [ICEE-2014].15-17 th



	December 2014 at JNTUH. ISBN: 978-93-81212-96-7
34	Haritha.A, Bhagwan.D, Saritha.P, Shankariah.G, Himabindu.V, Phenol reduction from Petroleum Refinery Wastewater (PRW) using Electrochemical Techniques, International Conference on Environment and Energy-2014 [ICEE-2014].15-17 th December 2014 at JNTUH. ISBN: 978-93-81212-96-7
35	Tulasiram. P, Bhagawan. D, Saritha. P, Shankaraiah. G, V. Himabindu, Heavy Metal removal from electroplating industry waste water using Electrochemical method, International Conference on Environment and Energy-2014 [ICEE-2014].15-17 th December 2014 at JNTUH. ISBN: 978-93-81212-96-7
36	G. Shankaraiah, P. Saritha, D. Bhagawan, V. Himabindu*, S. Vidyavathi, Degradation of Norfloxacin in aqueous solution using advanced oxidation processes (AOPs). A comparative study, International Conference on Environment and Energy-2014 [ICEE-2014].15-17 th December 2014 at JNTUH. ISBN: 978-93-81212-96-7
37	S. G. Sowjanya, V. Hima bindu*, C. Sarala, Diffusion dialysis technology is a tool for the recovery of high concentration of hydrochloric acid from wastewater, International Conference on Environment and Energy-2014 [ICEE-2014].15-17 th December 2014 at JNTUH. ISBN: 978-93-81212-96-7
38	Shakeela banu. S, Bhagawan. D, Kalyani. G, Asmeen Begum, V. Himabindu, K. RamaMohan Reddy, Degradation Of Sulbactam Sodium Antibiotic Using Electro Oxidation Method, International Conference on Environment and Energy-2014 [ICEE-2014].15-17 th December 2014 at JNTUH. ISBN: 978-93-81212-96-7
39	D. Srekanth, Shaik Shakeela Banu, D. Siva Ramakrishna, G. Kalyani, V. Himabindu, Anaerobic treatment of wastewater containing N-triphenyl -5-[41- (bromo methyl) bi phenyl -2-yl] tetrazole by using Up flow anaerobic sludge blanket reactor (UASB), International Conference on Environment and Energy-2014 [ICEE-2014].15-17 th December 2014 at JNTUH. ISBN: 978-93-81212-96-7
40	M. Rajani Rani, Dr. V. Himabindu , A performance evaluation of three bioreactor systems: Activated sludge Process reactor(ASP), up flow anaerobic sludge blanket reactor (UASB) and rotating biological contactor (RBC), International Conference on Environment and Energy-2014 [ICEE-2014].15-17 th December 2014 at JNTUH. ISBN: 978-93-81212-96-7
41	Kalyani Gorre , Dr. V. Himabindu, Application of Diatomite for Ammoniacal Nitrogen Removal from Synthetic Waste Water, International Conference on Environment and Energy-2014 [ICEE-2014].15-17 th December 2014 at JNTUH. ISBN: 978-93-81212-96-7
42	D. Bhagawan, Saritha Poodari, Ch. Anand, Shankaraiah Golla, Vurimindi Himabindu, Traffic Noise Level Assessment In Ranga Reddy District, India, International Conference on Environment and Energy-2014 [ICEE-2014].15-17 th December 2014 at JNTUH. ISBN: 978-93-81212-96-7
43	Yamuna Rani. M, Bhagawan. D, Himabindu.V, Venkateswara Reddy. V, Utilization Of Industrial Waste For Brick Production Using Solidification/stabilization Technique, International Conference on Environment and Energy-2014 [ICEE-2014].15-17 th December 2014 at JNTUH. ISBN: 978-93-81212-96-7



44	Chaitanya. N, Himabindu. V, Lakshmi narasu, M.Viswanadham, Effect Of Inoculum Treatment Methods For Enriching Hydrogen producing Bacteria From Anaerobic Sewage Sludge, International Conference on Environment and Energy-2014 [ICEE-2014].15-17 th December 2014 at JNTUH. ISBN: 978-93-81212-96-7
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PLACEMENTS

M. Tech. (ENVIRONMENTAL GEOMATICS) - (2010-BATCH)

S. NO.	ROLL Nos.	Name of the Student	Placement
1	10031 D 6001	Anusha Reddy. T	TCS software engineer
2	10031 D 6002	Chaitanya. B.	Google Q A
3	10031 D 6003	L. Narasimha Rao Nimmakayala	Engg. college faculty
4	10031 D 6004	Mohan. K	Singareni collieries
5	10031 D 6005	Srikanth.B	Business Entrepreneur
6	10031 D 6006	Vamsi Kiran Davuluri	Google Q A
7	10031 D 6007	Vinay Kumar Reddy. Y	Director, Env.tal consultancy

M. Tech. (ENVIRONMENTAL MANAGEMENT) - (2010-BATCH)

S. No.	Roll Nos.	Name of the Student	Placement
1	10031 D 3102	Ajay Goud Bodiga	Environmental engineering consultancy
2	10031 D 3103	Devendar Goli	Rural Development
3	10031 D 3104	Divya Sree.B	DST-inspire fellow
4	10031 D 3106	Priyambika. M	Faculty private engineering college
5	10031 D 3107	Rajini. P	Bank-PO
6	10031 D 3108	Rakesh.K	Environmental engineer, Coal India.
7	10031 D 3109	Ravinder. G	Syndicate Bank -PO
8	10031 D 3110	Sandeep .P	Google- Q A
9	10031 D 3112	Somayeh Bayat	Ph. D student in abroad



10	10031 D 3113	Srihari Mulinti	VRO
11	10031 D 3114	Suresh Babu. D.V	APIIC (Environmental Engineer)
12	10031 D 3115	Swathi. M	IBM
13	10031 D 3116	Vijay Rama Raidu. M. S	Business

M. Tech. (ENVIRONMENTAL MANAGEMENT) - (2011-BATCH)

S. No.	Roll No.	Name of the Student	Placement
1	11031 D 3101	Esther Rani. Ch	Lecturer, engineering college
2	11031 D 3102	Karuna Kumari. R	ICICI- PO
3	11031 D 3103	Manideep. T	Environmental engineer, Mantra consultancy.
4	11031 D 3105	Pavan Kumar. D.	Govt. job medical officer
5	11031 D 3106	Prabhakar Reddy. A	Pvt. sector
6	11031 D 3107	Priyanka. M	Environmental engineer, Consultancy green co Pvt ltd,
7	11031 D 3110	Ramesh. C	Software Engineer
8	11031 D 3112	Sri Lakshmi. K	DST Inspire fellow
9	11031 D 3116	K. Surendar	Environmental engineer, BS Envi-Tech

M. Tech. (ENVIRONMENTAL GEOMATICS) - (2011-BATCH)

S. No.	Roll No.	Name of the Student	Placement
1	11031 D 6001	Abhilash. M	Research scholar CEN, TEQIP-II
2	11031 D 6002	Abhinai. S	ICICI Bank -PO
3	11031 D 6003	Anthony Reddy. L	Information not available
4	11031 D 6004	Ashok Kumar. B	EIA consultant
5	11031 D 6006	Mohammed Abdul Moid	Research scholar CEN, TEQIP-II
6	11031 D 6007	Nagarjuna Reddy. P	TCS Software Engineer



7	11031 D 6009	Pavan Reddy. T	Running consultant surveyor, Hyd
8	11031 D 6010	Sandeep. G	EIA consultant
9	11031 D 6011	Shashi Kanth. M	business
10	11031 D 6012	Srinivas. N	electrical engineer central government job
11	11031 D 6013	Subba Reddy. E	Software industry

M. Tech. (ENVIRONMENTAL GEOMATICS) - (2012-BATCH)

S. No.	Roll Nos.	Name of the Student	Placement
1	12031 D 6007	J. uma	Teacher
2	12031 D 6008	Karthik Budde	Asst. Engineer, Railway
3	12031 D 6009	M. Kalyan Chakravarthy	Software engg. Bangalore
4	12031 D 6010	Maloth Lalitha	ITI, faculty
5	12031 D 6011	Mamidi Srinivas	Postal department
6	12031 D 6012	Myadara Swetha	Envi. Engineer, consultancy
7	12031 D 6013	Narsimha . P.	President, SFI, Ranga Reddy zone
8	12031 D 6014	Praveen Kumar Goskula	ITI, faculty
9	12031 D 6015	Raju Goud. P.	Information not available
10	12031 D 6016	Ramiseti Narendra Babu	Information not available
11	12031 D 6017	S. Prudhvi Raj Goud	CBI, constable
12	12031 D 6018	Suddala Swathi	Software engineer
13	12031 D 6019	Thunga Anuradha	AVNEON Pvt. Ltd.

M. Tech. (ENVIRONMENTAL MANAGEMENT) – 2013 BATCH

S. No.	Roll No.	Name of the Student	Placement
1	12031 D 31	Sushmitha	SBH, PO

M. Tech. (ENVIRONMENTAL MANAGEMENT) - (2012-BATCH)

S. No	ROLL No.	Name of the Student	Placement
1	12031 D 3101	Alagam Suman	Teacher
2	12031 D 3102	Ananthagiri Siddartha	EIA- Environmental survey
3	12031 D 3104	Cheekati Kranthi	Software engineer, Google
4	12031 D 3105	Chittampelly Anilkumar	EIA- Environmental survey
5	12031 D 3106	Ega Bhupathi	EIA- Environmental survey
6	12031 D 3107	Harikrishna Mekala	Envi. Engineer, consultancy
7	12031 D 3108	Jupalli Krishna Rao	Canara bank PO
8	12031 D 3110	Kathi Veera Parakram Reddy	Canara bank PO
9	12031 D 3112	Lekka Vamsi Krishna	EIA- Environmental survey
10	12031 D 3114	Regamdla Lalithaanjali	Ramky
11	12031 D 3115	Shaik Mohd Imran Akram	EIA- Environmental survey
12	12031 D 3116	Simma Aditya Prasad	Envi. Engineer, Coal India
13	12031 D 3117	Suma Mantha	Envi. Engineer, consultancy
14	12031 D 3118	Swetha Mukkera	Software engineer
15	12031 D 3119	Thippireddy Venkateswarlu	Environmental Engineer,Ramky
16	12031 D 3120	Dushyanth Chandra. K.	Business
17	12031 D 3121	Rajeswara Rao Menda	EIA-Environmental survey

**Center for Chemical Sciences & Technology**

1. Name of the Department Centre for Chemical Sciences & Technology, Institute of Science and Technology (IST), JNTUH.
2. Year of establishment 2010
3. Is the Department part of a School/Faculty of the university? Faculty of the University
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)
5. Interdisciplinary programmes and departments involved : Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programmes discontinued, if any, with reasons : Nil
8. Examination System: Annual/Semester/ Trimester/Choice Based Credit System : Semester
9. Participation of the department in the courses offered by other departments : Nil

Programme	Level of Study	Cut-off Marks at entry, in %	Student strength
M.Tech(Cheical Sciences & Technology)	PG	Through PG CET	25
M.Sc (Analytical Chemistry)	PG	Through University Entrance	25
M.Sc(Organic Chemistry)	PG	Through University Entrance	25
Ph.D (Chemistry)	Ph.D	Through JNTU Entrance Examination	10-20 per annum depending on vacancy

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Cadre	Sanctioned	Filled	Actual (including CAS & MPS)
Professors	--	--	--
Associate Professors	--	--	--
Assistant Professors	--	--	--



Others	--	--	--
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11. Faculty profile with name, qualification, designation, area of specialization and experience and research under guidance

S. No.	Name	Designation	Qualification	Specialization	Experience	No. of Ph. Ds guided in last four years
1	Prof .A. Jaya Shree	M.Sc, Ph.D	Professor	Chemistry	25 Years	09
2	Prof. K. Mukkanti	M.Sc, Ph.D	Professor (Retd)	Chemistry	35 Years	35
3	Prof. Pramod Kumar	M.Tech, Ph.D	Professor (Retd)	Chemical engineering	35 Years	08
4	Dr. Bala Narasaiah	M.Tech, Ph.D	Assoc. Professor	Chemical Engineering	8 Years	02
5	Mrs. A. Meenakshi	M.Tech	Assistant Professor	Chemical engineering	8 Years	--
6	Prof. B. Srinivasulu	M.Sc, Ph.D	Professor Retd.	Chemistry	45 Years	--
7	Dr. Sadanandam Palle	Ph.D	Lecturer	Chemistry	8 Years	--
8	Dr. Jyothi vantikommu	M.Sc, Ph.D	Lecturer	Chemistry	3 Years	--
9	Mr. B. F. Mathews	M.Sc	Lecturer	Chemistry	4 Years	--
10	Mr. K. Shivaiah	M.Sc	Lecturer	Chemistry	3 Years	--
11	Mr. A. Tejeswara Rao	M.Sc	Lecturer	Chemistry	3 Years	--
12	Mrs. K. Bhgya Sri	M.Tech	Lecturer	Chemical engineering	1 Year	--
13	Mrs. K. Priyanka	M.Tech	Lecturer	Chemical engineering	1 Year	--



14	Mr. Varun Harish	M.Tech	Lecturer	Chemical engineering	1 Year	--
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12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

- **Dr. R. Nageswara Rao (Scientist G, Retd, CSIR-IICT, Hyderabad)**
- **Dr. B. Srinivasulu (Professor of Chemistry, Retd, Kakatiya University)**

13. Percentage of classes taken by temporary faculty – programme-wise information 90%

S. No.	Name of the faculty	Percentage
1	Prof. B. Srinivasulu	90
2	Dr. Jyothi Vantikommu	90
3	Mr. B. F. Mathews	90
4	Mr. K. Shivaiah	90
5	Mr. A. Tejeswara Rao	90
6	K. Priyanka	90
7	K. Bhagya Sri	90
8	Mr. Varun Harish	90

14. Programme-wise Student Teacher Ratio **4:1**

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Name of the designation	Sanctioned	Filled	Actual
Teaching staff	3	3	--
Administrative staff	5	5	--

16. Research thrust areas as recognized by major funding agencies

- **Engineering Technology**
- **Organic Synthesis**
- **Medicinal Chemistry**
- **Drug Design**

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. (Last four years) : NIL

Ongoing Research Projects, to be completed:

Project Title	Funding agency	Duration	Grant Amount in Lakhs	Name of the Principal Investigator
Design of Biological active	DST	2 years	17.0	Dr. Jaya Shree



molecules using molecular modelling techniques				
Synthesis of Heterocyclic compounds via Pd/C catalyzed reactions	CSIR	3 Years	17.5	Dr. K. Mukkanti
Chemical synthesis of cobalt and cobalt oxide nano particles and its investigative studies towards application in chemical [catalysis, defence, nano-hybrid materials and devices], biological and optoelectronic devices	DRDO	3 Years	14.0	Dr. K. Mukkanti
Design, synthesis and Biological Evaluation of small molecule antimicrobial agents with DNAS Damaging properties	SERB	3 Years	31.5	Dr. Sadanandam Palle

18. Inter-institutional collaborative projects and associated grants received : NIL
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received

Name of the Fellow/Centre	Designation	Funding Agency	Total Grant received
Centre for Chemical Sciences & Technology	Professor of Chemistry, Head	Department of Science & Technology	50 Lakhs
Centre for Chemical Sciences & Technology	Professor of Chemistry, Head	TEQUIP II	2 Crores
TOTAL			2.50 Crores

20. Research facility / centre with

State recognition

At a state level the centre was well recognized. It has carried out several research and training programmes sponsored by the state government

National recognition

: Nil

International recognition

: Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil





22. Publications: Total Number of Publications - 195

Name of the Title	Name of faculty	Nat/ Int.	Name of the Journal	Page No.
--	Prof. A. Jaya Shree	46	--	--
--	Prof. K. K. Mukkanti	130	--	--
--	Prof. Pramod Kumar	08	--	--
--	Dr. T. Bala Narasaiah	11	--	--

* **Monographs** : Nil

* **Chapters in Books**

Dr. K. Mukkanti

- Chapter on Air pollution for PG Diploma in Environmental, Dr. B. R. Ambedkar Open University, Hyderabad.

Dr. Pramod. Kumar

- Pramod Kumar and A. K. Gupta (Edited by Gehlawat and Srikant) (Contributed a chapter in this book) Strategies of rural development Arnold Pub. New Delhi

* **Edited Books**

Dr. K. Mukkanti

- Environmental Studies- A Text book for under graduates, By K. Mukkanti, S. Chand's publications, New Delhi.
- Practical engineering chemistry, By K. Mukkanti, B.S. publications, Hyderabad.
- A text book of engineering chemistry, By S.S. Dara & K. Mukkanti S. Chand's publications, New Delhi.

* **Books with ISBN with details of publishers**

Dr. T. BALA NARASIAH

1. Effect of Pressure Drop and Tangential Velocity on Vane Angle in Uniflow Cyclone; Vighneswara Rao K, Bala Narsaiah T, and Pitchumani B, *Chemical and Bioprocess Engineering: Trends and Developments*, January 30, 2015 by Apple Academic Press, ISBN 9781771880770

* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : Nil



- * Citation Index – range / average : Nil
 - * SNIP : Nil
 - * SJR : Nil
 - * Impact Factor – range / average: Nil
 - * h-index : Nil
23. Details of patents and income generated Nil
24. Areas of consultancy and income generated Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions industries in India and abroad Nil
26. Faculty serving in
- a) National committees b) International committees c) Editorial Boards d) any other (please specify)
- International Conference on Chemistry for Sustainable Development: Indian Perspective Held at Abu Dhabi, Dubai, during 10th to 14th 2014 organised by Indian Council of Chemists, presented a paper entitled Total Synthesis of Agelanesin-a Marine Natural product and a Potential cytotoxic Agent on 11th June 2014
 - Dr. K. Mukkanti visited Australia in 2014 to have an MOU with RMIT University, Australia.
 - Dr. K. Mukkanti presented a Paper at International conference of Indian Council of chemists, Held at Tashkent, Afghanistan in 2014.
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Prof. A. Jaya shree

1. Short Term Course on "Formulation development of Nano particles - Application to Pharma Industry" Sponsored by University Grants Commission is organized as Course Coordinator scheduled during 17th Aug, 2015 to 22 Aug, 2015 at UGC-Academic Staff College, Jawaharlal Nehru Technological University Hyderabad (JNTUH)
2. Refresher Course on "Current trends in Teaching Methodologies related to Chemistry and pharmacy" Sponsored by University Grants Commission as Course Coordinator during 18-11-2013 to 7-12-2013 at UGC-Academic Staff College, Jawaharlal Nehru Technological University Hyderabad (2013)
3. Refresher Course on "Green Chemistry in Drug Synthesis" Sponsored by University Grants Commission as Course Coordinator during 5-11-2012 to 26-12-2012 at UGC-Academic Staff College, Jawaharlal Nehru Technological University Hyderabad (2012)
4. Refresher Course on "Recent advances in Chemistry and its Teaching Methodology with reference to Drug Design and Computational Techniques" Sponsored by University Grants Commission as Course Coordinator during 28-11-2011 to



19-12-2011 at UGC-Academic Staff College, Jawaharlal Nehru Technological University Hyderabad (2011)

5. Refresher Course on “Environmental Science and Engineering” Attended from 03-12-2001 to 22-12-2001, a 3 week refresher course sponsored by UGC, conducted at academic staff college, JNTUH.

Dr. T. Balanarsaiah

1. Refresher course on “Role of Chemical Engineering, Principles in Pharmaceutical Education & Chemical Industry” at UGC-Academic Staff College, JNTUH, Hyderabad during 08-12-2014 to 29-12-2014
2. Refresher course on “Mathematical Modeling & Simulation for Scientists & Engineers” at UGC-Academic Staff College, JNTUH, Hyderabad during 02.12.2013 to 21.12.2013
3. Refresher course on “Recent Trends in Chemical Engineering” at UGC-Academic Staff College, JNTUH, Hyderabad during 05.09.2011 to 24.09.2011

28. Student projects

percentage of students who have done in-house projects including inter departmental projects : **30%**

Roll No.	Name of the Student	Project Title	Place of Work	Internal Guide	External Guide
13031 D9201	Asma Anjum	--	--	--	--
13031 D9202	Bharadwaj Janagani	Modelling And Simulation Of An Autoclave In COMSOL Multiphysics	AMD, MPD, BARC	Dr. T. Balanarsaiah	MR. K. Ananda Rao
13031 D9203	Devakala Soundarya Kumar .V	--	--	--	--
13031 D9204	Durga Bhavani. Vanam	Design of Dosage saccharification of Pre-treated Biomass for Effective Release of Fermentable Sugars.	CIR,IST JNTUH	Dr. T. Balanarsaiah	Dr. A. Uma
13031 D9205	Madhu Babu. Arambaka	--	--	--	--
13031	Pavani. Tumu	Circulating Fluidized bed	MSN laboratories	Mrs. A.	Mr. V. V. B.



D9206		Combustion For The Production of Stem	Ltd.	Meenakshi	Seshagiri Rao
13031 D9207	Prashanth Kumar. B	Study on effect of temperatures on waste water treatment.	Honour Lab limited Bonthapally,	Mrs. A. Meenakshi	Mr. K. Anil Reddy
13031 D9208	Sairam Reddy. Puchakayala	Pressure swing Adsorption,	Hetero Labs Ltd, Kazipally.	Dr. T. Balanaraish	G. Veeru Babu
13031 D9209	Sindhuja. Kaila	Synthesis And Characterization Of ZnO Nanoparticles For Seed Germination	CNST, IST, JNTUH	Dr. T. Balanaraish	Mrs. Shilpachakra
13031 D9210	Uma Surya Lakshmi Deepthi Dantuluri	Pre-treatment of Agri-Residual biomass for bio ethanol production	CIR,IST JNTUH	Dr. T. Balanaraish	Dr. A. Uma
13031 D9211	Yaddanapudi Varun	Preparation and characterization of eco-benign wood adhesive	CIR,IST JNTUH	Mrs. A. Meenakshi	Dr. A. Uma
13031 D9212	Veera Bharadwaj. Retoju	--	--	--	--
13031 D9213	Vinay Kumar Reddy. Kondannagari	Application of Homogenization and seeding techniques for better crystallization	Hetero Labs, Kazipally.	Dr. T. Balanarsaiah	Mr. G. Venu Babu
13031 D9214	Aparna I Sastry	Phosphoric Acid Production Using Heat Exchanged Fluid Bed Reactor	NFCL	Mrs. A. Meenakshi	Mr Murthy
13031 D9215	Gayathri .I	Organic(COAL) based DAP (15-38-0-30% coal) using fluid	NFCL	Mrs. A. Meenakshi	Mr Murthy



		bed reactor			
13031 D9216	Sri Harsha. C	Fractionation of Lignocellulosic Biomass For Liquid Fuel Applications	CIR,IST JNTUH	Mrs. A. Meenakshi	Dr. A. Uma
13031 D9217	Vannuramma. A	Photo Degradation Of Methylene Blue In Water Using Al ₂ O ₃ Nanoparticles	CNST,IST, JNTUH	Dr. T. Balanarsaiah	Mrs. Shilpachakra

percentage of students doing projects in collaboration with other universities industry / institute: 70%

Name of the Student	Roll No.	Batch	External guide	Internal guide
Aqeel Ahmed Subhani	12031D9201	2012	--	--
Ashraf Moin	12031D9202	2012	IICT, Hyderabad	Mrs. A. Meenakshi CCST, IST, JNTUH
Bhagya Sri. Kodigudla	12031D9203	2012	Dr. Sunil Bawane Neuland labs, Pashamylaram, Medak	Dr. T. Bala Narasaiah CCST, IST, JNTUH
Eurbert Privilege Mahofa	12031D9204	2012	Dr. T. Bala Narasaiah CCST, IST, JNTUH	Dr. T. Bala Narasaiah CCST, IST, JNTUH
K .B. V.V.A. Hema Sundar Rao	12031D9205	2012	K. Anand Rao, Scientist officer/G Mineral Processing Division, BARC, Begumpet, Hyderabad.	Mrs. A. Meenakshi CCST, IST, JNTUH
Jhansi.Rani B	12031D9206	2012	Dr. T. Sreenivas Mineral Processing Division BARC, Begumpet, Hyderabad	Mrs. A. Meenakshi CCST, IST, JNTUH
Joseph Govha	12031D9207	2012	Dr. T. Bala Narasaiah	Dr. T. Bala Narasaiah



			CCST, IST, JNTUH	CCST, IST, JNTUH
Mallika. Manne	12031D9208	2012	K. Anand Rao, Scientist officer/G Mineral Processing Division, BARC, Begumpet, Hyderabad.	Mrs. A. Meenakshi CCST, IST, JNTUH
Milton Manyangadze	12031D9209	2012	Dr. T. Bala Narasaiah CCST, IST, JNTUH	Dr. T. Bala Narasaiah CCST, IST, JNTUH
Pavan Kumar. D	12031D9210	2012	Mr. Raji Reddy, Prabhava Organics Pvt., Ltd., Bollaram	Mrs. A. Meenakshi CCST, IST, JNTUH
Priyanka. Kadakanchi	12031D9211	2012	Dr. M. Narasimha Asst. Professor, IIT, Hyderabad	Dr. T. Bala Narasaiah CCST, IST, JNTUH
Ravi Sharma. K	12031D9212	2012	Dr. Sunil Bawane Neuland labs, Pashamylaram, Medak	Dr. T. Bala Narasaiah CCST, IST, JNTUH
Sravani. Chinnapasham	12031D9213	2012	IICT, Hyderabad	Mrs. A. Meenakshi CCST, IST, JNTUH
Varunharish. Nimmagadda	12031D9214	2012	Dr. T. Sreenivas Mineral Processing Division BARC, Begumpet, Hyderabad	Mrs. A. Meenakshi CCST, IST, JNTUH

29. Awards / recognitions received at the national and international level by (Last four years)

Prof. A. Jaya shree - Awards and/or other recognition received

- University Grants Commission awarded UGC NET Fellowship, Junior Research Fellowship during 1986-1988 and Senior Research Fellowship during 1988-1991



for doctoral studies in Osmania University, Hyderabad, INDIA.

- Osmania University awarded doctorate in Chemistry in the year 1992
- Worked as Principal Investigator for project “Design of Molecules for Drug Discovery using Molecular Modelling Techniques” in the year 2008 sanctioned by Department of Science and Technology New Delhi, in chemistry, Dec 2008.
- Delivered several extension lectures at various PG centres of Osmania University and also at JNTUH.
- Appointed as The Director , Institute of Science and Technology, in 2014 to present
- Member, Academic senate of JNTUH.
- Member, Board of Governors for various affiliated colleges of JNTUH
- Member, Board of Studies for various affiliated colleges of JNTUH
- Recipient of Research Excellency award for the year 2015 from The Indus global foundation
- Elected as Fellow of Telangana Academy of Sciences

Affiliations

- Fellow - Telangana Academy of Sciences
- Fellow - Indian Chemical Society (ICS) Kolkata, India (Life Member-66/99)
- Life Member - Indian Association of Chemistry Teachers (IACT), Tata Institute of Fundamental Research (TIFR), Mumbai (Life Member, LM 400)
- Life Member – The Indian Science Congress Association, Kolkata, India (Life Member-L24172)
- Life Member – Indian Council of Chemists- (Life Member, LM ,1679)
- Life Member Alumni Association Osmania University

Dr. K. Mukkanti

- Elect Fellow of AP Academy of Sciences (FAPAS), Hyderabad in recognition of contribution to Science and Technology.
- Senate Member, Sathavahana University, Karimnagar, Andhra Pradesh.
- Chairman, Assessment Committee, Indian Institute of Chemical Technology (IICT), Tarnaka, Hyderabad.
- Member (CFE) AP Pollution Control Board, Zonal office, Ramachandra Puram Hyderabad.
- Former Chairman, Board of Studies of Chemistry, JNT University Hyderabad.
- Former Chairman, Board of Studies of Pharmacy, JNT University Hyderabad.
- Former Chairman, Board of Studies of Environmental Science, IST, JNT University.



- Member, Board of Studies of Chemistry, JNT University Ananthapur.
- Member, Board of Studies of Applied Chemistry, Cochin University of Science & Technology, Cochin, Kerala.
- Member Board of studies of Environmental Science S. V. University, Tirupati.
- Member, Indian Science Congress Association (ISCA).
- Member, Indian Society for Technical Education (ISTE).
- Member, Indian Water Resources Society (IWRS).
- Member, Indian Council of Chemists(ICC)
- Appointed as DIRECTOR, Rajiv Gandhi University Knowledge Technology, RK Valley(AP IIIT) since January 2014(for 3 years)(issued the orders but kept pending because of state bifurcation)
- UGC-BSR Faculty Fellowship has been awarded for 3 years to avail after superannuation (i.e. applicable from July 2014).
- Got India's best researcher Award in top 05 authors in the field of Pharmacology, Toxicology and Pharmaceutics by survey of Careers 360 Magazine based on Elsevier Science's bibliographic indexing database (Listed in India's 100 best researchers 2014).

Dr. T. Balanarasaiah

- Associate Fellow, AP Academy of Sciences
- Member of Institution of Engineers (MIE) (M-1481759), Kolkata
- Life member of Indian Institute of Chemical Engineers (LMIChE) (LM-19457), Kolkata.
- Life member of Indian Society for Technical Education (LMISTE) (LM-46133), New Delhi.

30. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any

Prof. A. Jaya shree

- convener for TEQIP-II sponsored international conference on Trend setting innovations in chemical sciences and technology organised during 16-18th Dec-2015 at Centre for Chemical Sciences and Technology, Institute of Science and Technology, JNTUH, Hyderabad.
- convener for TEQIP-II sponsored two day work shop on Technological advances in chemical sciences organised during 14-15th Sep-2015 at Centre for Chemical Sciences and Technology, Institute of Science and Technology, JNTUH, Hyderabad.
- President for TEQIP sponsored two- Day work shop on stepping into advanced flow reactors organized during 25-26th February 2015 at Centre for Chemical Sciences and



Technology, Institute of Science and Technology, JNTUH, Hyderabad.

- President for One- Day Awareness Campaign on Rain Water Harvesting in Urban Area for School Children organized on 31st January 2015 at Centre for Water Resources, Institute of Science and Technology, JNTUH, Hyderabad.
- Co-Convener for the one day National Poster Symposium-III on Advances in Organic & Medicinal Chemistry (AOMC) jointly organized by the Centre for Chemical Sciences & Technology (CCST), Institute of Science & Technology (IST), JNTUH, Hyderabad and Royal Society of Chemistry (London)-Deccan section India during 24th December-2014 at Centre for Chemical Sciences & Technology (CCST), Institute of Science & Technology (IST), JNTUH, Hyderabad
- President for the international conference on environment and energy ICEE 2014, which is jointly organised by the Centre for environment, IST, JNTUH and department of mechanical engineering CEH during 15-17 December 2014 at Centre for Environment, Institute of Science and Technology, JNTUH, Hyderabad.
- Delivered an expert lecture at the seminar Emerging Trends in Chemical Technology organised by Loyola PG and Degree college, Secunderabad 500010 on 26-11-2014
- Chaired a session for the 3rd International Conference on Recent Advances in Design, Development and Operation of Micro Air Vehicles (ICRAMAV) conducted during 05-11- 2014 to 07-11-2014 at JNTUH, Hyderabad.
- President for the 4th International Conference on Hydrology and watershed management (ICHWAM) with a focal theme on “*Ecosystem Resilience-Rural and Urban water Requirements*” organized during 29-10-2014 to 01-11-2014 at Centre for Water Resources, Institute of Science and Technology, JNTUH, Hyderabad.
- Co Convener for the TEQIP sponsored International Conference on New Dimensions in Chemistry and Chemical Technologies organized during 23-6-2014 to 25-6-2014 at Centre for Chemical Sciences and Technology, Institute of Science and Technology, JNTUH, Hyderabad
- Convener for the TEQIP sponsored workshop Emerging trends in Chemical Sciences and Technology on 9-1-2014 at Centre for Chemical Sciences and Technology, JNTUH, Hyderabad
- Member of organising Committee for the TEQIP sponsored workshop Industrial Waste Water Treatment Technologies – Zero Discharge on 21-3-2014 at Centre for Chemical Sciences and Technology, JNTUH, Hyderabad
- Member of advisory Committee for organizing the national workshop on Drug Synthesis in Industry organised by the Department of Chemistry, College of Engineering, JNTUH, Hyderabad, during February, 5th and 6th 2013
- Organizing secretary for chemistry stream in A.P. SCIENCE CONGRESS which was conducted in JNTUH, Hyderabad, during November 18 to 20, 2010
- President for the conference “Green Chemistry in Drug Synthesis” which was



organized at M.N.R. P.G. College on 29/01/2008

- Member of advisory Committee for organizing the UGC sponsored state level 2 day Seminar on “Green Chemistry” organized by department of chemistry, A. V. College, Hyderabad on 07-12-2006 and 08-12-2006.
- Organizing Secretary and convener for the conference entitled “Recent Advances in Drug Design” conducted by P. G. Department of Chemistry, A. V. P. G. Centre, Hyderabad on 05-02-2005.

Dr. K. Mukkanti

- Conducted a international conference on “New Dimensions in Chemistry and Chemical Technology-Applications in Pharma Industry” from 23rd June 2014 – 25th June 2014 in IST, JNTUH.
- Conducted a Two-Day Workshop on “ Green Chemistry” at Institute of Science & Technology, JNTUH, Kukatpally, Hyderabad during “14th -15th February 2009”
- Conducted a Two-Day conference on “Recent Trends in Environmental monitoring, science& Technology, held from 21st 22nd March 2007, at Centre for Environment, IST, JNTUH, Kukatpally, Hyderabad.
- Conducted a Two-Day workshop on “Engineering Chemistry”, held during 24th -25th Oct 2009, at JNT University Hyderabad.
- Conducted a Two-Day workshop on “Environmental Issues in Chemical & Pharmaceutical Industries”, Institute of Science & Technology, JNTUH, Kukatpally, Hyderabad during Sept 1st -2nd 2008
- Conducted a Two-Day workshop on “Best Industrial Practices in Environment, Health & safety”, Institute of Science & Technology, JNTUH, Kukatpally, Hyderabad during 17th -19th April 2006
- Conducted a Twelve-Day workshop on ““Modern Analytical instrumental Training for Pharma industry””, Institute of Science & Technology, JNTUH, Kukatpally, Hyderabad during 13th -24th June 2007
- Conducted a One-Day workshop on “Role of Industries to mitigate the Impacts of Climate Change”, Institute of Science & Technology, JNTUH, Kukatpally, Hyderabad during 20th Feb 2010.
- Conducted a One-Day workshop on “Emerging trends in industrial waste management”, Institute of Science & Technology, JNTUH, Kukatpally, Hyderabad during 22nd March 2013.
- Conducted a One-Day workshop on “Industrial Safety and Occupational Health”, Institute of Science & Technology, JNTUH, Kukatpally, Hyderabad during 21st April 2011.
- Three weeks Refresher Course on “Resend Advances in Chemistry and its Teaching Methodology with refer to Drug Design and Computational Techniques”, Sponsored by UGC as course convener during 28th Nov 2011 to 19th Dec 2011 at UGC Academic Staff College, JNTUH, Hyderabad.



- Three weeks Refresher Course on “Green Chemistry in Drug Synthesis”, Sponsored by UGC as course convener during 05th Nov 2012 to 26th Nov 2012 at UGC Academic Staff College, JNTUH, Hyderabad.
- Conducted a One-Day workshop on “Emerging Trends Industrial Waste Management Technologies”, Institute of Science & Technology, JNTUH, Kukatpally, Hyderabad during 22nd March 2013

Dr. T. Bala Narasaiah

- Local Organizing Secretary, International Conference on “New Dimensions in Chemistry & Chemical Technologies-Applications in Pharma Industry (NDCT-2014)” June, 23-25, 2014, CCST, IST, JNTUH
- Co-convener, One-Day Workshop On “Industrial Wastewater Treatment Technologies- Zero- Discharge” on 21st March, 2014, CCST, IST, JNTUH
- Co-convener, One-Day Workshop On “Emerging Trends in Chemical Sciences & Technology” under TEQIP-II on 9th January, 2014, CCST,IST,JNTUH
- Coordinator, a two-day workshop on “Combating Climate Change” at JNTUACEA, Ananthapur during 18-19 ,March, 2010 which was sponsored by AP Pollution Control Board, Zonal office, Kurnool.
- Coordinator, FUSION-2009, A National Level Chemical engineering students Symposium, 10th Sept, 2009, JNTUACE, Ananthapur.
- Coordinator, awareness programme on “Energy, Environment & Water conservation” a community service program under TEQIP on 26th Oct 2007
- Convener, a two- day workshop on “Advances in Chemical Engineering” at JNTUCE, Ananthapur during 23-24 ,Feb 2007 under TEQIP networking
- Convener, iChescon-2005, A National Level Chemical Engineering students meet , 25th & 26th February 2005 at SRTIST, Nalgonda
- Co-convener, ENVIRON-2004, a Two-day State Level Conference on Environmental Science, 19-20, March 2004 at SRTIST, Nalgonda.
- Convener, CHEMPODIUM-2001, a State level Chemical Engineering Students Technical Quiz Competition, 12th October, 2001 at SRTIST, Nalgonda
- Member, Physical arrangements committee, CHEMCON-2002, Hyderabad.

31. Code of ethics for research followed by the departments: NA

32. Student profile programme-wise

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M. Tech. Chemical	2012	10	4	100%	100%



Technology	2013	9	8	100%	100%
	2014	8	6	100%	100%
	2015	11	5	100%	100%
M. Sc. Analytical Chemistry	2012	11	5	100%	100%
	2013	7	7	100%	100%
	2014	15	5	100%	100%
	2015	7	5	100%	100%
M. Sc. Organic Chemistry	2012	18	8	100%	100%
	2013	14	2	100%	100%
	2014	19	3	100%	100%
	2015	7	9	100%	100%

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M. Tech. Chemical Technology	100%(2012)	14%	--	7%
	100%(2013)	--	--	--
	100%(2014)	--	--	--
	100%(2015)	--	--	--
M. Sc. Analytical Chemistry	100%(2012)	--	--	--
	100%(2013)	--	--	--
	100%(2014)	--	--	--
	100%(2015)	--	--	--
M. Sc. Organic Chemistry	100%(2012)	--	--	--
	100%(2013)	--	--	--
	100%(2014)	--	--	--
	100%(2015)	--	--	--

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

NET Qualified Members	SET Qualified Members	GATE Qualified Members	Other Competitive Exams Qualified Members
2012	--	--	1
2013	--	--	--



2014	--	--	1
2015	--	--	1

35. Student progression

Student progression	Percentage against enrolled
UG to PG	--
PG to M.Phil.	--
PG to Ph.D.	5%
Ph.D. to Post-Doctoral	--
Employed	
Campus selection	75%
Other than campus recruitment	25%
Entrepreneurs	--

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	20%
from other universities within the State	70%
from universities from other States	10%
from universities outside the country	--

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period **Nil**

38. Present details of departmental infrastructural facilities with regard to

- | | |
|---|-------------|
| a) Library | Yes |
| b) Internet facilities for staff and students | Wifi |
| c) Total number of class rooms | 6 |
| d) Class rooms with ICT facility | 3 |
| e) Students' laboratories | 5 |



- f) Research laboratories 2
39. List of doctoral, post-doctoral students and Research Associates
- a) from the host institution/university 01
Dr. Sadanandam Palle, DST-SERB Fast Track young Scientist 2014-2017
- b) from other institutions/universities 01
Dr. Jyothi Vantikommu, UGC-Dr. D. S. Kothari PDF from 2012-2015.
40. Number of post graduate students getting financial assistance from the university. **Under TEQIP, 5 Members on Each Semester –M.Tech (Chemical Technology)**
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.
- **The Centre for Chemical Sciences & technology (CCST) which is one of prime centre of The Institute of Science and Technology (IST) has been in the forefront of chemistry & Chemical Engineering and training in JNTUH. It has been established in the year 2010 and offering 2-years regular M.Sc (Industrial Chemistry), M.Sc (Analytical Chemistry) and M.Tech (Chemical Technology) courses. The centre is well known for its technical excellence and modern infrastructure facilities.**
42. Does the department obtain feedback from
- a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
- The feedback on curriculum will be obtained through departmental discussions.
 - The opinion of expert lectures and guest faculty will also be considered and suggestions will be implemented during the curriculum revision next year
- b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
- The feedback of staff, curriculum and teaching – Learning – Evaluation will be obtained from the students every semester.
 - The opinion of the students will be communicated to the concerned faculty for improvement whenever necessary. While framing the syllabus also the feedback will be used.
- c) Alumni and employers on the programmes offered and how does the department utilize the feedback?
- Yes the department collect Feedback from student's respect of Teaching and Learning.
43. List the distinguished alumni of the department (maximum 10) : Nil
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.



Soft Skills training programmes for students

- TEQIP sponsored two- Day work shop on stepping into advanced flow reactors organized during 25-26th February 2015 at Centre for Chemical Sciences and Technology, Institute of Science and Technology, JNTUH, Hyderabad.
- One-Day Awareness Campaign on Rain Water Harvesting in Urban Area for School Children organized on 31st January 2015 at Centre for Water Resources, Institute of Science and Technology, JNTUH, Hyderabad.
- One day National Poster Symposium-III on Advances in Organic & Medicinal Chemistry (AOMC) jointly organized by the Centre for Chemical Sciences & Technology (CCST), Institute of Science & Technology (IST), JNTUH, Hyderabad and Royal Society of Chemistry (London)-Deccan section India during 24th December-2014 at Centre for Chemical Sciences & Technology (CCST), Institute of Science & Technology (IST), JNTUH, Hyderabad
- International conference on environment and energy ICEE 2014, which is jointly organised by the Centre for environment, IST, JNTUH and department of mechanical engineering CEH during 15-17 December 2014 at Centre for Environment, Institute of Science and Technology, JNTUH, Hyderabad.
- Expert lecture at the seminar Emerging Trends in Chemical Technology organised by Loyola PG and Degree college, Secunderabad 500010 on 26-11-2014
- 3rd International Conference on Recent Advances in Design, Development and Operation of Micro Air Vehicles (ICRAMAV) conducted during 05-11- 2014 to 07-11-2014 at JNTUH, Hyderabad.
- 4th International Conference on Hydrology and watershed management (ICHWAM) with a focal theme on “Ecosystem Resilience-Rural and Urban water Requirements” organized during 29-10-2014 to 01-11-2014 at Centre for Water Resources, Institute of Science and Technology, JNTUH, Hyderabad.
- TEQIP sponsored International Conference on New Dimensions in Chemistry and Chemical Technologies organized during 23-6-2014 to 25-6-2014 at Centre for Chemical Sciences and Technology, Institute of Science and Technology, JNTUH, Hyderabad
- TEQIP sponsored workshop Emerging trends in Chemical Sciences and Technology on 9-1-2014 at Centre for Chemical Sciences and Technology, JNTUH, Hyderabad
- TEQIP sponsored workshop Industrial Waste Water Treatment Technologies – Zero Discharge on 21-3-2014 at Centre for Chemical Sciences and Technology, JNTUH, Hyderabad
- National workshop on Drug Synthesis in Industry organised by the Department of Chemistry, College of Engineering, JNTUH, Hyderabad, during February, 5th and 6th 2013
- Chemistry stream in A.P. SCIENCE CONGRESS which was conducted in JNTUH, Hyderabad, during November 18 to 20, 2010
- “Green Chemistry in Drug Synthesis” which was organized at M.N.R. P.G.



College on 29/01/2008

- 2 day Seminar on “Green Chemistry” organized by department of chemistry, A. V. College, Hyderabad on 07-12-2006 and 08-12-2006.
 - Conference entitled “Recent Advances in Drug Design” Conducted by P. G. Department of Chemistry, A. V. P. G. Centre, Hyderabad on 05-02-2005.
45. List the teaching methods adopted by the faculty for different programmes.
- **Black and White boards Teaching Using Projects and PPTS.**
 - **Using Internet**
 - **Students Seminars,**
 - **Laboratory Experiments**
 - **Visiting the Pharmaceutical Labs**
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- **The department continuously monitor the learning outcomes by conducting various internal & external mid , Semester examinations and also by conducting**
 - **Viva-voce examinations both in Practical classes as well as for thesis submission.**
47. Highlight the participation of students and faculty in extension activities.
- **The student & faculty have conducted demonstration classes to the public in general and farmers in particular the best Green Chemistry Activities.**
48. Give details of “beyond syllabus scholarly activities” of the department.
- **With the advent of vast research & development in chemical sciences, chemists need to know and apply the green chemistry principles starting from the learning stages. Chemists & engineers are designers, who have the unique ability to influence molecules, materials, products, processes and system at the earliest possible stages of their development**
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.
- **The department is recognized by AICTE M.Tech (Chemical Technology) offered by the centre.**
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- **The Centre aims to increase awareness and understanding of Green Chemistry principles, alternative practices and benefits the traditional educational institutions and the Participating teachers. The future chemists should be taught in the class room to have sufficient knowledge in Green Chemistry and to think green while dealing with laboratory work.**
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.



Strength

- With the great advancement in Research & Development in chemistry, vast work is being done in R& D labs and industries.
- Understanding of Green Chemistry principles, alternative practices benefits the Traditional educational institutions
- Good Facilities Like Laboratories and Research Labs Sanctioned by University
- Experienced Faculty and Administrative Staff

Weakness

- Lack of Teaching and Administrative Staff.
- Limited Funds released by the Govt.

Challenges:

- To become one of the major Chemical Systems modelling centre in future.
- To become one of the major centre in attract the national, international funding for research in Chemical Sciences.
- To attract the students to take up the courses offered by the centre not only at the national level but at the international level.
- To have a network with national and international organisations there by influencing decision making at the top level of the governments.

52. Future plans of the department.

- In the Immediate future the centre wants to develop Chemical Sciences and modelling lab, as well as the research lab by attracting funding from FIST, AICTE Programme of the DST or other similar Programmes of the Government.
- In the Long run the centre wants to start one more M.Tech Programmes related to Chemistry.



ANNEXURE I

Prof. A. Jaya Shree

1. *Bioorganic & Medicinal Chemistry Letters*, Synthesis and biological evaluation of New 5-(2,5-dimethoxyphenyl)-1,3,4-Thiadiazole-2-amino derivatives as potent anti mycobacterial and anticancer agents, Polkam Naveen, Rayam Parsharamulu, Yennam Satyanarayana, P. Yogeewari, Ramesh Ummanni and Jayashree Anireddy, 25, 2015, 1398-1402.
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Conferences:

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2. Presented a paper of the International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) held at JNTUH, Hyderabad in 2015, Identification, Characterization and synthesis of two new related impurities of Diltiazem. Jagadeesh Narkedimilli, Y. Ravindrakumar, A. Jayashree, 2015.
3. Presented a papers of the International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) held at JNTUH, Hyderabad in 2015, Regioselective one-pot synthesis of 2-methyl-1-((1-phenyl-1H-1,2,3-triazol-4-yl)methyl)-1H-benzo[d]imidazole derivatives via click chemistry approach. Parsharamulu Rayam, Naveen Polkam, Tejeswara Rao Allaka, Naveen Kuntala, Shankaraiah Malthum and Jaya Shree



Anireddy, 2015.

4. Presented a papers of the International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) held at JNTUH, Hyderabad in 2015, Design and Construction of 1,3,4-Oxadiazol on NSAIDs. Shankaraiah Malthum, Naveen Polkam, Tejeswara Rao Allaka, Naveen Kuntala, Parsharamulu Rayam and Jaya Shree Anireddy, 2015.
5. Presented a paper of the International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) held at JNTUH, Hyderabad in 2015, Design, Molecular Properties Studies and Identification of potent Scaffold of pyrazoloisoxazole template. Naveen Polkam, Shankaraiah Malthum, Parsharamulu Rayam, Jaya Shree Anireddy.
6. Presented a paper of the International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) held at JNTUH, Hyderabad in 2015, A Quality by Design (QbD) Based Method Development for the Determination of Impurities in Erlotinib API and Erlotinib formulations. Palakurthi. Ashok Kumar, Y. Ravidra Babu, A. Jayashree, 2015.
7. International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *Synthesis of Novel Oxazole Based Amino Acid Hybrid via Oxidative Cyclization Reaction as the Key Step* is presented.
8. International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *PEG-600 Mediated phase transfer catalyst free N-alkylations of 2-butyl-5-chloro-1H-imidazole-4-carbaldehyde* is presented.
9. International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *Synthesis and Biological activity of 3,4-dihydropyrimidin-2(1H)-ones using Cerium chloride as a catalyst* is presented.
10. International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *Synthesis, characterization and biological activity of 1, 2, 3-triazoles derivatives of Etodolac* is presented.
11. International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by



- Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *Cyclohexane spacer for linking 4-chromanone frameworks: A new strategy for the identification of novel bis molecules as potent inhibitors of mycobacterium tuberculosis* is presented.
12. International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *Identification and Characterization of Novel Potential Impurities of Bis Dioxopiperazine (Dexrozaxane)* is presented.
 13. International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *Identification, synthesis and charecterization of related substances of saxagliptin hydrochloride* is presented.
 14. International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *Identification, Characterization and synthesis of two new related impurities of Diltiazem* is presented.
 15. International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *Chiral chromatographic separation for isomers of Rosuvastatin calcium and its spectral identification data* is presented.
 16. International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *Stereo selective synthesis for potential isomers of Ticagrelor key starting material; 2-(((3*aR*, 4*S*, 6*R*, 6*aS*)-6-amino-2, 2-dimethyltetrahydro-4*H*-cyclopenta[*d*][1,3]dioxol-4-yl)oxy)ethan-1-ol(2*R*,3*R*)-2,3-dihydroxy succinate* is presented.
 17. International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *A Novel Synthesis of 1-Aryl-Aza-Isoflavone via the Enaminone and Its Derivatization using the Cross Coupling Reaction* is presented.
 18. International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *A Quality by Design (QbD) Based Method Development for the Determination of Impurities in Erlotinib API and*



Erlotinib formulations is presented.

19. International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *Ethyl-1-imidazole carbamate (ElmC) as a carbonylating agent: Efficient synthesis of oxazolidine-2-ones from amino alcohols* is presented.
20. International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *Design, synthesis and biological evaluation of fluoroquinolone citrate conjugates as HDAC inhibitors* is presented.
21. International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *Synthesis and Antibacterial Activity studies of 6-methoxyquinazoline-triazole and its derivatives* is presented.
22. National Poster Symposium on Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014) conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December 2014 presented a paper entitled *Synthesis, characterization and biological activity of some novel 1, 3, 4-oxadiazole derivatives* is presented.
23. National Poster Symposium on Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014) conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December 2014 presented a paper entitled *Synthesis and biological evaluation of β -carboline oxadiazole hybrid molecules* is presented.
24. National Poster Symposium on Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014) conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December 2014 presented a paper entitled *Synthesis of norfloxacin analogues-histone deacetylase inhibitors* is presented.
25. National Poster Symposium in Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014) conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December 2014 presented a paper entitled *Isolation of active bio-marker from natural resources and their standardization methods with chemical markers and therapeutic activity* is presented.
26. National Poster Symposium in Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014) conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at



- JNTUH on 24th December 2014 presented a paper entitled *Copper-mediated direct arylation of 1, 3, 4-oxadiazoles* is presented.
27. National Poster Symposium in Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014) conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December 2014 presented a paper entitled *Synthesis and antibacterial activity studies of 2-aryl benzothiazoles and its derivatives* is presented.
 28. National Poster Symposium in Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014) conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December 2014 presented a paper entitled *Facile and short synthesis of (±) 1-hydroxy indolizidine and (±) coniceine from picolinic acid ethyl ester via cross claisen condensation* is presented.
 29. National Poster Symposium in Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014) conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December 2014 presented a paper entitled *Quantification of piperazine content in ciprofloxacin hydrochloride using chemical derivatization method by HPLC* is presented.
 30. National Poster Symposium in Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014) conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December 2014 presented a paper entitled *Identification and structural elucidation of unknown impurities in pharmaceutical products; case study: raloxifene* is presented.
 31. National Poster Symposium in Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014) conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December 2014 presented a paper entitled *Synthesis and characterization of sumatriptan and rizatriptan using orthophosphoric acid for cyclisation of indole ring* is presented.
 32. National Poster Symposium in Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014) conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December 2014 presented a paper entitled *Design, synthesis and in vitro anticancer evolution of s-triazines* is presented.
 33. National Poster Symposium in Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014) conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December 2014 presented a paper entitled *A convenient synthesis of 2,5-di(aziridin-1-yl)-3-aryl-6-(5-phenylisoxazol-3-yl)cyclohexa-2,*



5-diene-1,4-diones is presented.

34. National Poster Symposium in Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014) conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December 2014 presented a paper Entitled *development and validation of stability indicating HPLC method for simultaneous estimation of telmisartan and hydrochlorothiazide related substances in telmisartan/hydrochloro thiazide tablets* is presented.
35. National Poster Symposium in Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014) conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December 2014 presented a paper entitled *Design, synthesis and spectral characterization of 4-(thiazol-2-yl)pyridine-2-carboxamide derivatives* is presented.
36. National Poster Symposium in Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014) conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December 2014 presented a paper entitled *An efficient and scalable synthesis of fosamprenavir calcium* is presented.
37. National Poster Symposium in Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014) conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December 2014 presented a paper entitled *Comproportionation based Cu(I) catalyzed [3+2] cycloaddition of nitriles and sodium azide* is presented.
38. International Conference on New Dimensions in Chemistry and Chemical Technologies-Applications in Pharma Industry, Organized by CCST, IST, JNTUH during 23rd – 25th June 2014 presented a paper entitled *Synthesis of combretastatin analogues by using nano particles* is presented.
39. International Conference on New Dimensions in Chemistry and Chemical Technologies-Applications in Pharma Industry, Organized by CCST, IST, JNTUH during 23rd – 25th June 2014 presented a paper entitled *Synthesis, antibacterial and in vitro anti proliferative activity of triazolobenzoxepine derivatives* is presented.
40. International Conference on New Dimensions in Chemistry and Chemical Technologies-Applications in Pharma Industry, Organized by CCST, IST, JNTUH during 23rd – 25th June 2014 presented a paper entitled *Cyclisation of indoles by using orthophosphoric acid in sumatriptan and rizatriptan* is presented.
41. International Conference on New Dimensions in Chemistry and Chemical Technologies-Applications in Pharma Industry, Organized by CCST, IST, JNTUH during 23rd – 25th June 2014 presented a paper entitled *Development and*



- validation of RP-HPLC method for simultaneous determination of metformin and miglitol in bulk and pharmaceutical formulation is presented.*
42. International Conference on New Dimensions in Chemistry and Chemical Technologies-Applications in Pharma Industry, Organized by CCST, IST, JNTUH during 23rd – 25th June 2014 presented a paper entitled *Chemical investigation studies and determination of bioactive components of plectranthus bishopianus by rp-hplc and lc-ms(ion-trap) analysis is presented.*
 43. International Conference on New Dimensions in Chemistry and Chemical Technologies-Applications in Pharma Industry, Organized by CCST, IST, JNTUH during 23rd – 25th June 2014 presented a paper entitled *Synthesis, characterisation and biological activity of some citrate composites of novel fluoroquinolone triazole derivatives.*
 44. International Conference on Chemistry for Sustainable Development: Indian Perspective Held at Abudhabi, Dubai, during 10th to 14th 2014 organised by Indian Council of Chemists, presented a paper entitled *Total synthesis of agelanesin-a marine natural product and a potential cytotoxic agent on 11th june 2014.*
 45. International Conference on Drugs for the Future Infectious Diseases-Anti microbial Drug Discovery–challenges and Perspectives DFID-2014 held at NIPER, Hyderabad, during march 27-28, 2014, a paper entitled *Synthesis and characterization of novel 2-(3,5-dimethoxyphenyl)-2-(piperazonyl)-1-(pyridine-3yl)etanone-and its reductive alkylation analogues is presented.*
 46. Nature inspired initiatives in Chemical Trends at CSIR-IICT, Hyderabad, organised by CSIR-Indian Institute of Chemical Technology Tarnaka, Hyderabad, A.P., India during March 2-5, 2014 presented a paper on *Synthesis of new bis-1,2,3-triazole-linked sugar hybrids is presented on 2-3-2014.*
 47. Nature inspired initiatives in Chemical Trends at CSIR-IICT, Hyderabad, India Organised by CSIR-Indian Institute of Chemical Technology Tarnaka, Hyderabad, A.P., India during March 2-5, 2014 presented a paper on *Microwave assisted solvent-free synthesis of substituted 1H-Pyrazolyl-4-yl-2,3-dihydrobenzo[b][1,4]oxazepin-4-yl)phenols and their antimicrobial activity is presented on 3-3-2014.*
 48. Nature inspired initiatives in Chemical Trends at CSIR-IICT, Hyderabad, India Organised by CSIR-Indian Institute of Chemical Technology Tarnaka, Hyderabad, A.P., India during March 2-5, 2014 presented a paper on *Synthesis and characterization of novel 2-(3,5-dimethoxyphenyl)-2-(piperazonyl)-1-(pyridine-3-yl) ethanone and its reductive alkylation analogues is presented.*
 49. 20th ISCB International Conference (ISCB-2014) on Chemistry and medicinal plants in translational medicine for healthcare at Department of Chemistry, University of Delhi, during March 1-4, 2014 presented a paper entitled *An efficient one-step, chemo selective reduction of alkyl ketones over aryl ketones in*



β-diketones using LIHMDS and lithium aluminium hydride is presented.

50. 16th CRSI chemical research society of India, national Chemistry Symposium, IIT Bombay, Mumbai, held during February 7-9, 2014 presented a paper entitled, *A novel synthesis of isoxazole tethered quinone-amino acid hybrids via 1,3-dipolar cycloaddition reaction as the key step* is presented on 8-2-2014.
51. National conference on Frontiers of chemical research – 2013 (NCFRCR - 2013) Organized at department of chemistry, CEH, JNTUH during 25th and 26th October 2013 presented a paper entitled *towards the total Synthesis of hirtiocarboline and its novel derivatives* is presented on 25-11-2013.
52. National conference on Frontiers of chemical research – 2013 (NCFRCR - 2013) organized at department of chemistry, CEH, JNTUH during 25th and 26th October 2013 presented a paper entitled *Synthesis of novel quinone containing alkylating agents dna alkylation by aziridinyl quinones* is presented on 25-11-2013.
53. National conference on Frontiers of chemical research (NCFRCR - 2013) organized at department of chemistry, CEH, JNTUH during 25th and 26th October 2013 presented a paper entitled *Synthesis, characterization and antimicrobial activity of pyrazolo [3,4-d] pyrimidines* is presented on 25-11-2013.
54. National conference on Frontiers of chemical research – 2013 (NCFRCR - 2013) organized at department of chemistry, CEH, JNTUH during 25th and 26th October 2013 presented a paper entitled *Synthesis of quinoline based novel acyl hydrazones and its biological evaluation* is presented on 25-11-2013.
55. National conference on Frontiers of chemical research – 2013 (NCFRCR - 2013) organized at department of chemistry, CEH, JNTUH during 25th and 26th October 2013 presented a paper entitled *Synthesis of oxaprozin acid acyl hydrazone derivatives* is presented on 25-11-2013.
56. National conference on Frontiers of chemical research – 2013 (NCFRCR - 2013) organized at department of chemistry, CEH, JNTUH during 25th and 26th October 2013 presented a paper entitled *Synthesis of a series of novel 1,4-disubstituted-1,2,3-triazole compounds bearing D-Glucose derivative by [3+2] cycloaddition* is presented on 26-11-2013.
57. National conference on Frontiers of chemical research – 2013 (NCFRCR - 2013) organized at department of chemistry, CEH, JNTUH during 25th and 26th October 2013 presented a paper entitled *Ethyl imidazole-1-carboxylate (elmc) as a carbonylating agent: efficient synthesis of oxazolidin-2-ones from amino alcohols* is presented on 26-11-2013.
58. National conference on Frontiers of chemical research – 2013 (NCFRCR - 2013) organized at department of chemistry, CEH, JNTUH during 25th and 26th October 2013 presented a paper entitled *Preparation of 3-(3-methoxyphenyl)thiophene-2-carbaldehyde and its chalcone derivatives, and their biological activities* is presented on 26-11-2013.



59. National conference on Frontiers of chemical research – 2013 (NCFCR - 2013) organized at department of chemistry, CEH, JNTUH during 25th and 26th October 2013 presented a paper entitled *RP-HPLC method for the quantification of cladribine in pharmaceutical formulation* is presented on 26-11-2013.
60. National Poster Symposium on Organic/Medicinal Chemistry organized by Royal Society of Chemistry Deccan Chapter, Hyderabad at CSIR-Indian Institute of Chemical Technology, Hyderabad held on 15-12-2012 a poster entitled *Synthesis of odoratine and its derivatives by suzuki coupling reaction as the key step* is presented on 15-12-2012.
61. National Poster Symposium on Organic/Medicinal Chemistry organized by Royal Society of Chemistry Deccan Chapter, Hyderabad at CSIR-Indian Institute of Chemical Technology, Hyderabad held on 15-12-2012 a poster entitled *Synthesis of 1,4-disubstituted triazole derivatives in water medium by click chemistry approach and their pharmacological evaluation as potential cytotoxic agents* is presented.
62. National Poster Symposium on Organic/Medicinal Chemistry organized by Royal Society of Chemistry Deccan Chapter, Hyderabad at CSIR-Indian Institute of Chemical Technology, Hyderabad held on 15-12-2012 a poster entitled *One pot synthesis and antimicrobial activity of 1,4-disubstituted triazole derivatives* is presented.
63. National Poster Symposium on Organic/Medicinal Chemistry organized by Royal Society of Chemistry Deccan Chapter, Hyderabad at CSIR-Indian Institute of Chemical Technology, Hyderabad held on 15-12-2012 a poster entitled *An efficient one-step, chemo selective reduction of alkyl ketones over aryl ketones in β -diketones using LIHMDS and lithium aluminium hydride* is presented.
64. International Symposium on Chemistry and Chemical Biology of Natural Products (CCBNP-2012) organized by CSIR-Indian Institute of Chemical Technology, Hyderabad held during 2-4 August 2012 a paper entitled *Design and development of combretastatin based antitumor agents* is presented on 3rd august 2012.
65. International Symposium on Chemistry and Chemical Biology of Natural Products (CCBNP-2012) organized by CSIR-Indian Institute of Chemical Technology, Hyderabad held during 2-4 August 2012 a paper entitled *Synthesis of novel tetracyclic acridone carboxamides as cytotoxic and dna binding agents* is presented on 3rd august 2012.
66. International Symposium on Chemistry and Chemical Biology of Natural Products (CCBNP - 2012) organized by CSIR-Indian Institute of Chemical Technology, Hyderabad held during 2-4 August 2012 a paper entitled *Synthesis of novel isoxazole-benzoquinone hybrids via 1,3-dipolar cycloaddition reaction as a key step* is presented on 3rd august 2012
67. International Symposium on Chemistry and Chemical Biology of Natural Products (CCBNP - 2012) organized by CSIR-Indian Institute of Chemical Technology, Hyderabad held during 2-4 August 2012 a paper entitled *Synthesis,*



characterization and biological activity of some citrate composites of novel fluoroquinolone triazoles is presented on 3rd august 2012.

68. National Conference on Latest Trends in Emerging Materials (NCLTEM - 2012) organized by Department of Physics JNTUH College of Engineering, Jawaharlal Nehru Technological University, Hyderabad held during 20th & 21st January 2012 a paper entitled *Gold nano conjugates in drug delivery systems* is presented on 21st January 2012

Prof. K. Mukkanti

1. 1, 2, 3-Triazoles derived from olanzapine: their synthesis via an ultrasound assisted CuAAC method and evaluation as inhibitors of PDE4B. Suresh Babu Nallapati, B. Yogi Sreenivas, Ramudu Bankala, Kishore V. L. Parsa, Shivashankar Sripelly, K. Mukkanti and Manojit Pal, *RSC Adv.*, 2015,5, 94623-94628.
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4. Mefenamic acid based novel indole analogues: Their synthesis and anti-proliferative effects. P. Vijaya Babu, Mohd Ashraf Ashfaq, K. Shiva Kumar, K. Mukkanti, Manojit Pal *Arabian Journal of Chemistry*, 2015.
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 11. Nimusalide based novel glycolamide esters: their design, synthesis, and pharmacological evaluation. Kankanala Kavitha, Vengala Ranga Reddy, Yumnam Priyadarshini Devi, Lakshmi Narsu Mangamoori, Mukkanti Khagga, Sarbani Pal. Journal of Chemistry (2013), 816769/1-816769/8, 9
 12. Evaluation of Antitumor and Antioxidant Potential of a Polyherbal Extract on Ehrlich's Ascites Carcinoma Xenografted Mice Mukesh Kumar Das, K. Mukkanti, G. Srinivasa Rao, Prafulla Kumar Sahu, L. Silpavathi Journal of Pharmacy and Nutrition Sciences, Vol 4, No 1 (2014)
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23. Michael-type addition of nitroalkanes to nitroalkenes in water. Synthesis of 1, 3-dinitro compounds. Tulam, Vijaya Kumar; Kotte, Subhash Chandra Bose; Chinta, Rama Koteswara Rao; Mainkar, Prathama S.; Murali, P. M.; Mukkanti, K.. *International Journal of Research in Pharmacy and Chemistry* (2012), 2(2), 254-257.
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28. Process for producing 6-(2, 3-dichlorophenyl)-1,2,4-triazine-3,4-diamine (lamotrigine) and identification, characterization of a new N-methyl impurity. Venkanna, G.; Nagender, D.; Venkateswarlu, P.; Shekhar, K. Chandra; Madhusudhan, G.; Mukkanti, K.. *Pharma Chemica* (2012), 4(1), 100-105..
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3. Prof. Pramod Kumar

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2. Modelling of Naphtha Pyrolysis, P.Kumar and D.Kunzru, Ind.Eng.Chem process Des. Dev., 24(3), 774-82, 1985.
3. Kinetics of Coke Deposition in Naphtha Pyrolysis, P.Kumar and D.Kunzru, Canadian JI. Chem. Engg., 63, 598-604, 1985.
4. Coke Formation in a Tubular Reactor during Naphtha Pyrolysis, P.Kumar and D. Kunzru, Canadian JI.Chem. Engg. 65,200-5,1987.
5. Removal of Toxic Metals, from electroplating industries, P.Kumar and others, Indian J. Environ. HLTH, 31 (2), 120-4, 1989.
6. Energy Incentive pollution abatement of Distillery spent wash, P.Kumar and others, Trends in Life Sciences (INDIA), 14 (1), 55-60, 1999.
7. Management of Hazardous wastes, P.Kumar and Veena Shanker, Trends in Life Sciences (INDIA), 14(2), 109-118, 1999.
8. Experimental Investigation on Rice Hush Fluidization in circulating fluidized bed, Kumar P & others, Research Journal of Engg. & Tech., Vol.1 (2), 67-71, 2008.

4. Dr.T. Bala Narsaiah

1. "Bioprocess Technology Development and Convalescing Production of L-Lysine in Corynebacterium glutamicum" Ramesh Malothu, Dowlathabad MR and Bala Narsaiah.T, International Journal of Biological, Ecological and Environmental Sciences (IJBEES),Vol. 1, No.3,2012
2. 'Design of decentralized Smith predictor for multivariable non-square processes with Multiple time delays' Rajesh Ammathil, T. Bala Narsaiah and A. Seshagiri Rao Int. J. of Modeling, Identification and Control, Vol 21, No.2, 2014.
3. "Determination of surface tension of binary mixtures of Methanol, Propanol, iso-Propanol with O-xylene" D.Anitha, D.Subba Rao, Pramod kumar, T.Bala Narsaiah, T.E.Vittal Prasad, International Journal of Emerging Trends in Engineering and Development, Issue 4, Vol.1 (January 2014) (ISSN 2249-6149)
4. "Structural Characteristics and Catalytic Performance of Ce-Al Nanoparticles in Soot Oxidation" Eubert P. Mahofa, T. Bala Narsaiah, International Journal of Science and Research (IJSR), ISSN (Online): 2319-7064, Volume 3 Issue 9, September 2014
5. "Synthesis of Nano-Magnesium Ferrite Spinel and its Characterization" Joseph Govha T. Bala Narasaiah, Pramod Kumar , Ch. Shilpa Chakra, International



Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 3 Issue 8, August – 2014

6. “Catalytic Activity of CeO₂-NiO for Low Temperature Soot Combustion” Eubert P. Mahofa, T. Bala Narsaiah, Pramod Kumar, International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 3 Issue 9, August – 2014
7. “Kinetics of Fluoride Adsorption on Mixed Oxide Nanocomposites: Analysis”, Joseph Govha, T. Bala Narsaiah, Milton Manyangadze, International Journal of Scientific and Engineering Research, Volume 5, Issue 10, October 2014, ISSN 2229-5518

Papers published in National Journals:

1. “Modeling of Flow Structure near the Wall in Circulating Fluidized Bed” E. Santosha, T. Bala Narsaiah & V.V. Basava Rao, Indian Chemical Engineer, Vol. 49 No. 1 January–March 2007, pp. 38-44.
2. “Modeling & Simulation of fluidized bed oxychlorination of ethylene process” T. Bala Narsaiah, G. Karunya and G. Venkat Reddy, The IUP Journal of chemical Engineering, Vol. IV, No. 1, 2012
3. “Municipal Solid Waste Management- A review” M. Chandrasekhar, T. Bala Narsaiah and R. S. Dave, Journal of the Institution of Public Health Engineers, India, Volume 2013-14, No. 2, 2013



Centre for Biotechnology

1. Name of the Department **Centre for Biotechnology, Institute of Science and Technology (IST), JNTUH.**
2. Year of establishment **1989**
3. Is the Department part of a School/Faculty of the university? **Yes**
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

S. No.	Program	Name of the Course	Specialization
1.	PG	M.Tech	Biotechnology (Regular)
2.	PG	M.Tech	Biochemical Engineering (Regular)
3.	PG	M.Tech	Biotechnology (Part time)
4.	PG	M.Tech	Biopharmaceutical Technology (Part time)
5.	PG	M.Sc	Biotechnology
6.	PG	M.Sc	Microbiology
7.	Doctoral	Ph.D.	Biotechnology

5. Interdisciplinary programmes and departments involved **None**
6. Courses in collaboration with other universities, industries, foreign institutions, etc. **None**
7. Details of programmes discontinued, if any, with reasons **Nil**
8. Examination System: Annual/Semester/ Trimester/Choice Based Credit System **Semester**
9. Participation of the department in the courses offered by other departments **Nil**



10 Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Cadre	Sanctioned	Filled	Actual (including CAS & MPS)
Professors	1	1	1
Associate Professors	1	0	0
Assistant Professors	2	2	2
Others	--	--	--

11 Faculty profile with name, qualification, designation, area of specialization and experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. A. Uma	M.Sc., M.Tech., Ph.D	Assistant Professor & HEAD	Biotechnology	9 (Regular) 10+ (Other)	5
Dr. M. Lakshmi Narasu	M.Sc., Ph.D	Professor & BOS Chairperson	Biotechnology	32	20
Dr. Archana Giri	M.Sc., Ph. D	Assistant Professor	Biotechnology	9 (Regular) 10 (Adhoc)	8
Dr. L. Saida Naik	B.Tech., M.Tech., Ph.D	Assistant Professor	Chemical Engg & Biotechnology	9	--
Dr. P. Lakshmi	M.Sc., M.Tech., Ph.D	Lecturer	Biotechnology	14	--
Dr. E. Sireesha	M.Sc., M.Tech., Ph.D	Lecturer	Biotechnology	8	--
Ms. Ch. Kalyani	M.Sc., M.Tech., (Ph.D)	Lecturer	Biotechnology	6	--
Mr. K. Venkateswara Reddy	M.Sc., (Ph.D)	Lecturer	Biotechnology	4	--
Mr. B. Suresh Babu	B.Tech., M.Tech.,	Lecturer	Biotechnology	4	--



	(Ph.D)				
Mr. P. Ranjit	B.Tech., M.Tech., (Ph.D)	Lecturer	Biotechnolog y	4	--
Mr. M. Anjaneyulu	M.Sc., M.Tech., (Ph.D)	Lecturer	Biotechnolog y	1	--
Ms. M. Vasavi	B.Tech., M.Tech.,	Lecturer	Chemical Engg	6 months	--

1 2 List of senior Visiting Fellows, adjunct faculty, emeritus professors: **1**

- **Prof. Kalluri Subbarao**

1 3 Percentage of classes taken by temporary faculty – programme-wise information

S. No.	Name of the program	Percentage
1	M.Tech (Biotechnology)	60%
2	M.Tech (Biochemical Engineering)	65%

1 4 Programme-wise Student Teacher Ratio 16:1

1 5 Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Name of the designation	Sanctioned	Vacancies	Actual
DPO	1	1	--
Technical assistant	1	--	--
Lab Technician	2	1	--

16. Research thrust areas as recognized by major funding agencies **Enzyme Engineering, Plant Tissue Culture, Animal Cell Culture, Tissue Engineering**

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. (Last four years) **None**

Principal Investigator	Title of the project	Funding Agency	Duration	Amount (Rs)
Dr. A. Uma	Production of Bioethanol	CSIR	3 years	9,80,000



	from Concentrated black liquor (CBL) Waste of Rajahmundry Paper mills”.		(2010-2013)	
Prof. M Lakshmi Narasu	Technology Project on Hydrogen Production through Biological Routes	MNRE	5 years (2010-2015)	49,69,000
Prof. M Lakshmi Narasu	Bioconversion of ascorbic acid to ascorbic acid 2-phosphate by using ascorbic acid 2 kinase from a microbial source	UGC	3 years 2010-2013	7.41,000
Prof. M Lakshmi Narasu	Scale up studies and process development for the production of L-arginine by fermentation	TIFAC	2 years 2010-2011	29,00,000
Dr. M Lakshmi Narasu	One time grant of funds from UGC under BSR scheme	UGC	2012	7,00,000
Dr. M Lakshmi Narasu	Evaluation of chemopreventive activity of Elytraria acaulis – as insight into molecular mechanism	AICTE	2013	12,00,000
Dr. Archana giri	Bioprocess development for adiponectin production using hairy root culturers of withan somnifera	AICTE	2 years 2011-2012	16,30,000
Dr. A. Uma	Studies on the effects of Obesity and Obesity induced Type 2 Diabetes on advanced aging phenomenon.	DBT	3 years (2012-2015)	56,96,000
Dr. A. Uma	Consortium for development of Sustainable Advanced Lignocellulosic Biofuel Systems.	INDO-US Joint Clean Energy Research and Development Center	5 years (2012-2015)	88,68,000
Dr. Archana giri	Biochemical elucidation of Centella asiatica leaf epidermome , cloning and over expression of the genes involved in the production of pharmaceutically important centellosides	DST	3 years 2010-2013	32,47,000



Dr. A. Uma	Commercialization of sweet sorghum as a complementary feed stock for ethanol production in the sugar mills of Maharashtra, Tamilnadu, and Gujarat.	DBT	3 Years 2015-2018	38,79,000
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1 8 Inter-institutional collaborative projects and associated grants received **Yes**

a) National collaboration

b) International collaboration:

- DRR
- ICRISAT
- IICT
- Hetero Drugs
- GVK Bio
- IIL
- GVK Bio
- NATCO Pharma
- Hemarus
- ICRISAT
- DRR
- ICRISAT
- IICT
- JCERDC, USA

1 9 Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received

- Total Amount (Rs. Lakhs) – 348.01 Lakhs
- Women Scientist (01) -- 16.72 Lakhs

2 0 Research facility / centre with **Nil**

State recognition

National recognition

International recognition

2 1 Special research laboratories sponsored by / created by industry or corporate bodies

None

2 2 Publications

- **165 publications in National /International:**

Prof. M. LAXMI NARSU

INTERNATIONAL JOURNALS

1. Mamatha Nakka, Murtuja Seikh Begum, B. F. Mathews Varaprasad, A Lingam Venkata Reddy, Abir Bhattacharya, Madeleine Helliwell, Alok Kumar Mukherjee, Syed



- Sultan Beevi, Lakshmi Narasu Mangamoori, Khagga Mukkanti and Sarbani Pal (2010) Naproxen and ibuprofen based acyl hydrazone derivatives: Synthesis, structure analysis and cytotoxicity studies. *Chem. Pharm. Res.* 2(6):393-409
2. Soma Roy, Archana Giri, Chodiseti Bhuvaneswari., M Lakshmi Narasu, Charu C. Giri (2010). High frequency plant Regeneration via Direct Organogenesis in *Andrographis Paniculata*. *Medicinal and Aromatic plants sciences and biotechnology*, 3 (1) 94-96.
 3. Madhurima Bhatnagar, Kalyani Prasad, Pooja Bhatnagar-Mathur, **M. Lakshmi Narasu**, Farid Waliyar and Kiran K. Sharma (2010) An efficient method for the production of marker-free transgenic plants of peanut (*Arachis hypogaea* L.) *Plant Cell Rep* 29:495–502 (C.I.-33) (IF2.936)
 4. Lingam Venkata Reddy, Alishetty Suman, Syed Sultan Beevi, **Lakshmi Narasu Mangamoori**, Khagga Mukkanti, Sarbani Pal. (2010). Design and synthesis of 1-aryloyl-2-ylidene hydrazines under conventional and microwave irradiation conditions and their cytotoxic activities. *J. Braz. Chem. Soc.* 21 (1). (C.I.-10)
 5. Y. Ram Babu, K. Rama Krishna, M. Lakshmi Narasu, Hari Narayana A, M. Taraka Raj (2010). Docking studies of carbohydrate ligands against native and mutant surfactant protein-D from lung Alveolar type II cells. *Der PharmaChemica.* 2(2). 27-36.
 6. S. Suryanarayana Raju, Bezawada Manikumar and **M. Lakshmi Narasu** (2010). Biodegradation of phenolic compounds by *Halobacterium cutirubrum*. *Asian Jr. of Microbiol. Biotech. Env. Sc.* Vol- 12(1). Pp-63-70.
 7. R. Kiranmayee, Ch, Bhuvaneswari, Suryakala Gandi, **M. Lakshmi Narasu** and Archana Giri (2011) Direct and Indirect organogenesis of *Alpinia galangal* and the phytochemical analysis. *Appl Biochem Biotechnol* DOI10. 1007/s 12010-011-9353-5. (C.I.-5)
 8. E. Sirisha, N. Rajasekar, and M. Lakshmi Narasu (2010), Isolation and Optimization of Lipase Producing Bacteria from Oil Contaminated Soils, *Advances in Biological Research*, 4 (5): 249-252. (C.I.-26)
 9. Reddy, I.N.B.L. Reddy, D.S. and Narasu, M.L. and Sivaramakrishnan, S. (2011) Characterization of disease resistance gene homologues isolated from finger millet (*Eleusine coracana* L. Gaertn). *Molecular Breeding*, 27 (3). pp. 315-328. (C.I.-15)
 10. Radha Madhavi Kanumuri, Ravikanth Reddy Kosana, Veerasubba Reddy Nandhimandalam, Lakshmi Narasu Mangamoori, and Sripad Gunwar (2011). Novel expression system for the large scale Production of Recombinant Human B-type natriuretic peptide (BNP) for therapeutic purpose, *International Journal of Biological Technology* (2011) 2(1):26-33.
 11. Gajula, Chandrasekhar, Chandel, Anuj Kumar, Konakalla, Radhika, Rudravaram, Ravinder, Pogaku Ravindra, Mangamoori Lakshmi Narasu (2011). Fermentation of Groundnut Shell Enzymatic Hydrolysate for Fuel Ethanol Production by Free and Sorghum Stalks Immobilized Cells of *Pichia stipitis* NCIM 3498 *International Journal of Chemical Reactor Engineering.* 9, 1, 1542-6580.
 12. Sugumar Parthasarathy, and Chandran Dev, Rani, Gudavalli Sudha, Shahana Pallichera Vijayan, Maske Dasarath Keshavrao, Pundi Narasimhan Rangarajan, and Mangamoori Lakshmi Narasu and Srinivasan Villuppanoor Alwar (2011). *Recombinant*



- mid gut antigen (Bm95) as a vaccine against Indian Rhipicephalus haemaphysaloides in Bos indicus cattle: Research in Veterinary Science, 90 (2). pp. 262-268. (C.I.-5)IF: 1.544
13. LingamVenkata Reddy, Suresh Babu Nallapati, Syed Sultan Beevi, Lakshmi Narasu Mangamoori, Khagga Mukkanti and Sarbani Pal (2011) A “Green” Synthesis of N-(Quinoline-3-ylmethylene)benzohydrazide Derivatives and their Cytotoxicity Activities J. Braz. Chem. Soc., Vol. 22, No. 9, 1742-1749, (C.I.-5)
 14. Kameswara Rao Kottapalli, **M. Lakshmi Narasu** and K. K. Jena “Effective strategy for pyramiding three bacterial blight resistance genes into fine grain rice cultivar, Samba Mahsuri, using sequence tagged site markers” Biotechnol. Lett. 2010 Jul; 32(7):989-96. (C.I.-16) (IF 1. 636)
 15. P. Ajay Babu, **Mangamoori L Narasu** and Srinivas Kolli. (2010). Discovery of novel anti-proliferative compounds against A549 cells by virtual screening. Chem- Bio Informatics Journal. Vo-10, pp. 46-60. (C.I.-2)
 16. S.I. Ahmed, **M.L. Narasu**, S.J. Mohan and Y.M. Rao (2010) Formulation Study and Evaluation of Matrix and Three-Layer Matrix Tablets Oral Controlled Drug Delivery System Based on Xanthan Gum and Locust Bean Gum, International Journal of Pharmaceutical Sciences and Nanotechnology Volume 3 Issue 2 July
 17. Chandrasekhar Gajula, Radhika Konakalla, Chandel Anuj Kumar, Ravinder Rudravarm and **Lakshmi Narasu Mangamoori** (2011) Fermentation of enzymatically saccharified groundnut shell for fuel ethanol production by Pichia stipitis NCIM 3498, Current Trends in Microbiology and Pharmacy Vol 4(5), 982-992.
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 19. Siva K. Chamarthi, Hari C. Sharma Hari C. Sharma, Santosh P. Deshpande, C. T. Hash, V. Rajaram, P. Ramu, and **M. Lakshmi Narasu** (2012) Genomic diversity among sorghum genotypes with resistance to sorghum shoot fly, Atherigona soccata J. Plant Biochem. Biotechnol.21(2):242–251 (DOI 10.1007/s13562-011-0100-3) (IF 0.83)
 20. S. Prashant, M. Sri Lakshmi Sunita, V. L. Sirisha, V. Vijaya Bhaskar, A Maruthi Rao, **M. Lakshmi Narasu** and P. B. Kavi Kishor (2012) Isolation of cinnamoyl CoA reductase and cinnamyl alcohol dehydrogenase gene promoters from Leucaena leucocephala, a leguminous tree species, and characterization of tissue-specific activity in transgenic tobacco Plant Cell Tiss. Organ Cult. (2012) 108:421–436 DOI 10.1007/s11240-011-0053-1 (C.I.-6) (IF 2.612)
 21. Jaya Bhavani Vutla, Dev Chandran, Maroudam Veerasami, Parthasarathy Sugumar, Pallichera Vijayan Shahana, Dipankar Das, **Mangamoori Lakshmi Narasu**, Villuppanoor Alwar Srinivasan (2011) Cloning, expression and purification of ESAT-6 and CFP-10 and their use in the detection of IFN- γ responses in tuberculosis infected cattle , Biotechnol. Bioinf. Bioeng. 2011, 1(2):255-264(C.I.-2)



22. Parthasarathy Sugumar, Gudavalli Sudha Rani, Pallichera Vijayan Shahana, Dasarath Keshavrao Maske, Pundi Narasimhan Rangarajan, Lakshmi Narasu Mangamoori, Villuppanoor Alwar Srinivasan (2011) Recombinant mid gut antigen (Bm95) as a vaccine against Indian Rhiphicephalus haemaphysaloides in Bos indicus cattle. Research in Veterinary Science Volume 90, Issue 2, 262–268(C.I.-5)
23. C. Siva Kumar, H. C. Sharma, Peter M. Vijay and Lakshmi Narasu Leaf surface chemicals of sorghum seedlings influence the genotypic resistance to shoot fly, Atherigona soccata (2011) Journal of Plant Biochemistry and Biotechnology (2011) <http://dx.doi.org/10.1007/s13562-011-0048-3> (IF 0.81)
24. K. Sathish, R. Sriraman, B. Mohana Subramanian, N. Hanumantha Rao, K. Balaji, M. Lakshmi Narasu, V.A. Srinivasan (2011) Plant expressed EtMIC2 is an effective immunogen in conferring protection against chicken coccidiosis. [doi.org/10.1016/j.Vaccine.2011.09.117](http://dx.doi.org/10.1016/j.Vaccine.2011.09.117) (C.I.-12) (IF 3.485)
25. Boje Gowda Bandi, Mangamoori Lakshmi Narasu, Bonala Kalyana Chakravarthy, Narendra Kumar Savala (2011) optimization of production conditions for intracellular galactosidase from Enterobacter dissolvens. Int. J. Biol. Sci. Vol. II (2nd Issue), pp. 155-161 (IF 4.372)
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 31. Santanu Hati, Sanjay M. Madurkar, Chandramohan Bathula, Chiranjeevi Thulluri, Rahul Agarwal, Faiza Amber Siddiqui, Poonam Dangi, **Uma Addepally**, Ashutosh Singh, Shailja Singh, Subhabrata Sen (2015). Design, synthesis and biological evaluation of small molecules as potent α -glycosidase inhibitors. *European journal of medicinal chemistry (EJMC)* 100: 188-196, doi:10.1016/j.ejmech.2015.04.059.
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35. **Uma Addepally**, Chiranjeevi Thulluri, Ravi Dhanavath, Konakalla Radhika. Kinetic parameter evaluation of ethanol production from sweet sorghum juice. *Journal of Industrial microbiology* (Under Review).
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Dr. SAIDA NAIK:

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3. P. Gouthami, M. Sahana, L. Saida Naik, K. Venkateswar Reddy, “Effect of Paper Industry Effluents on Soil Protease and Urease Activity”, *International Journal of Innovative Research in Science, Engineering and Technology*, Vol. 3, Issue 10, October 2014
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5. Korra Ashwani, Lavudi Saida and K. Venkateswar Reddy, “Isolation, Screening and Characterization of Cellulolytic bacteria from forest soil sample” *Int.J. Curr. Microbiol. App.Sci* (2014) 3(10) 679-685
6. Pattlola Aishwarya, Lavudi Saida, K.Venkateswar Reddy and P. Ranjit, “Impact of Brewery industry Effluents on soil enzyme activities” *Int.J.Curr.Microbiol.App.Sci* (2014) 3(10) 686-692.
7. Sahana M, Gouthami P, Saida Naik L, Venkateswar Reddy K and P Ranjit, “Influence Of Cotton Ginning Mill Effluents On Soil Protease And Urease Activity”, *International Journal of Bioassays* ISSN: 2278-778X.
8. Lavudi Saida, Sandeep singh Dhaliwal, H.S.Oberoi and M. Laxmi Narasu, Optimization of Alkali Pre-treatment Process Parameters for Sweet Sorghum Bagasse by Enzyme Hydrolysis Using Response Surface Methodology, August-October, 2012, Vol. 2, No. 4, 1849-1861, e- ISSN: 2249 –1929 *Journal of Chemical, Biological and Physical Sciences, An International Peer Review E-3 Journal of Sciences Section B: Biological Science*.
9. Lavudi Saida, M. Lakshmi Narasu, Satya Parameshwar Konda, Sandeep Singh Dhaliwal and H. S. Oberoi, “Effect of optimization of Alkali concentration on substrate sweet sorghum Baggasse by Response Surface Methodology during Pre-treatment studies for the Enzyme Hydrolysis and Estimation of Sugars by HPLC”, Chaitanya



Bharathi Institute of Technology, Neozion Redefining Evolution Feb 28th - 29th 2012
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10. Lavudi Saida, M. Lakshmi Narasu, Sandeep singh Dhaliwal, Satya Parameshwar Kondand H. S. Oberoi “Use of Response Surface Methodology for Optimization of Parameters to Enhance the Production of Cellulolytic Enzymes from Sweet Sorghum Bagasse by *Aspergillus niger* Cultures” National Conference conducted by VIPER, Hyderabad (2012).
11. Lavudi Saida, Harinder Singh Oberoi, Ethanol Production from Banana Peels using Statistically Optimized Simultaneous Saccharification and fermentation process , AP Science Congress and Annual Convention of Andhra Pradesh Akademi of Sciences under the aegis of the JNT University, Hyderabad and Andhra Pradesh Akademi of sciences Focal Theme Science, Technology, Education for Prosperity” (STEP) 18-20 Nov, 2010.

Details of the International Conference Publications:

1. D.Sandhya Rani.Tamvada, B.Venkanna, P.Praveenya, **Uma.A.** Antimicrobial activity of ‘*Nyctanthes arbortristis*’ against selected strains of MRSA. National Conference on Plant Biotechnology towards Nutrition&Nutraceutical potential, September 30th to October 1st, 2010.
2. P. Ajay Babu, **M. Lakshmi Narasu** and K. Srinivas “Targeting CDK2 in Cancer: Approach towards drug design based on computer aided techniques and experimental procedures” Horizons in Cancer Research Vol 41, pp 1-63, Edited by Edward P. Morison, Nova Publications New York, USA.(2010)
3. D.Sandhya Rani.Tamvada, B.Venkanna, P.Praveenya, **Uma.A.** Antibacterial bacterial activity of *N.arbortristis* in combination with certain antibiotics against multidrug resistant pathogen-MRSA. International conference on Biotechnology-Aglobal senario, November 2nd, 3rd, 4th , 2010.
4. R.S. Prakasham, **A. Uma**, G.Baby Rani, K.Radhika,T.Chiranjeevi. Optimization of Pretreatment methods for agri-industrial materials, INDO-CANADA work shop held at IICT in Jan 2011
5. N. kumudini, S. M. Naushad, S. Narendra Kumar, **A. Uma**, K.Vijay Kumar. Insilico evidence for the association of Catechol-O-Methyl transferase V158M polymorphism with increased susceptibility to Parkinson’s disease and breast cancer. National conference on “Biomarkers for diseases-prospects and Challenges”, Feb, 24-25th, 2012.
6. Sujatha T, Kodati V, JayaShankar E, Ahuja YR, **Uma A**, Anuradha K, Q Hasan (2013). Anthropometric and Biochemical Characteristics of PCOS Patents in South Indian Women. ISHG, International symposium on developmental and complex disorders & 38th Annual conference of the Indian society of Human Genetics: Genomics and Community Health. December 9-11, 2012.
7. **Lakshmi Mangamoori**, Razif Haroon, Ravichandra potumarthi, Parcha lakshmi and Michael k Danquah, Recent Advances in algal biofuels in ENERGY Modern Energy



Storage, Conversion and Transmission in the 21st Century pp 243-262, Edited by Lars Rose, Nova Publishers, New York, USA (2013)

8. A.Uma, T.Chiranjeevi, K. Satyalakshmi, Amal Pradeep, RS. Prakasham, Application of Solid state fermentation for cellulases production by *Cladosporium cladosporioides* and *Trichoderma reesei* MTCC 1168. Indo-US conference on advanced lignocellulosic biofuels, held in IICT on 10-11th, Nov, 2014.
9. Lavudi Saida, Harinder Singh Oberoi, Ethanol Production from Banana Peels using Statistically Optimized Simultaneous Saccharification and fermentation process , AP Science Congress and Annual Convention of Andhra Pradesh Akademi of Sciences under the aegis of the JNT University, Hyderabad and Andhra Pradesh Akademi of sciences Focal Theme Science, Technology, Education for Prosperity” (STEP), Page No: 134,18-20 Nov, 2010.
10. Lavudi Saida, H. S. Oberoi, M. Laxmi Narasu, Studies on Cellulase Production by Solid State Fermentation using Sweet Sorghum Bagasse, DNA 2012, 4th International Conference on Innovations in the Changing World”, Paper ID: DH4512, 15th & 16th December, 2012.

* Monographs	: Nil
* Chapters in Books	: Nil
* Edited Books	: Nil

Books Authored by faculty

Dr. A. Uma:

1. The recent progress in genetically engineered xylanases: Production and industrial Applications. Studium Press. 2013. *Biotechnology*, (Gene and Protein engineering) Vol. 5, Ch 0509 (Accepted-In Press).
2. Sorghum biomass: A novel renewable carbon source for industrial bioproducts. *Biofuels*. 2013 (Accepted-In Press).
3. Uma Addepally and Chiranjeevi Thulluri, The recent progress in genetically engineered xylanases: Production and industrial applications. Studium Press. 2013. *Biotechnology*, (Gene and Protein engineering) Vol. 5, Ch 0509.
4. A Uma, T Chiranjeevi, K Radhika, RS Prakasham, P Srinivasarao, AV Umakanth. Lignin: A bio renewable resource for the valorisation as fuel energy and valuable chemicals. Pan Stanford Publishing 2014, *Hand Book of Sustainable Polymers: Processing and Applications*. (In Press).
5. Vinutha KS, Srinivas Rao P, Anil Kumar GS, T. Chiranjeevi, A. Uma, RS Prakasham, HP Singh, Surinder Chopra and Shibu Jose 2015. Sorghum-a multi-purpose bioenergy crop. American Society of Agronomy. (Accepted In-Press).

Dr. Archana Giri:

1. C. C. Giri, Archana Giri, 2007, “ Plant Biotechnology : Practical Manual”, IK International Publishing House Pvt. Ltd.,



- * Books with ISBN with details of publishers

 - * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : Nil
 - * Citation Index – range / average : Nil
 - * SNIP : Nil
 - * SJR : Nil
 - * Impact Factor – range / average : Nil
 - * h-index : Nil
23. Details of patents and income generated **None**
24. Areas of consultancy and income generated **None**
25. Faculty selected nationally / internationally to visit other laboratories / institutions industries in India and abroad
- Dr. M. Lakshmi Narasu:**
- Attended a one week DST sponsored training Programme on “ Managing Change in Government Organizations” between 27th Feb. 2012 and 2nd March 2012 at Institute of Management Training and Research, Goa.
 - Successfully conducted AP Science Congress in 2010 and also conducted an International Conference on Advances in Biohydrogen Production and Applications in December 2012.
- Dr. Archana Giri:**
- Presented in AP Science Congress 18-20th November 2010, JNTUH, Hyderabad.
 - Participated in “International Conference on Recent Advances in Drug Discovery”, October 22nd to 24th, 2010, organized by Dept. of pharmaceutical Sciences, Kakatiya University, Warangal.
 - Participated in "International conference on Biotechnology: A global Scenario", November 2nd to 4th, organized by Dept. of Biotechnology, Kakatiya University, Warangal.
 - Participated in a conference on Disaster management from 12th - 13th December 2011 at Taj Krishna, Hyderabad India.
 - Participated in a Workshop on “Enzyme Engineering and process Optimization Principles” Organised by CIR & CBT, IST, JNTU during 16th and 17th March 2012.



- Participated in Andhra Pradesh Science Congress-2012. Acharya Nagarjuna University, Nagarjunanagar – Guntur November 14-16. (Oral presentation).
- Attended 1st International Conference on Bioenergy, Environment, and Sustainable Technologies (BEST2013) January 27-30, 2013, Arunai Engineering College, Tiruvannamalai, Tamilnadu, India. (Accepted as Oral Presentation).
- World Conference on Applied Sciences and Engineering Technology (*WCSET 2012*). 17-19 August. Vijayawada. Andhra Pradesh, India. (Oral presentation).
- International conference on Nano Bio and Material Sciences (ICONBM-2014). Osmania University, Hyderabad, 8-10 January (Oral presentation).
- Participated in a special seminar on Protein Engineering on 27th January 2014 at JNTUH, Hyderabad.
- Participated in a three day workshop on “Biostatistics, Research Methodology and Manuscript preparation from 24th -26th July 2014 at JNTUH, Hyderabad.
- Participated in a two day national workshop on bio-fuels from waste on 5th and 6th August 2014 at JNTUH, Hyderabad.
- Participated in an international conference on sustainability of digital libraries on 25th -27th September 2014 at JNTUH, Hyderabad.
- Attended a two day National Conference on new frontiers in medicinal plants research 26-27 February 2015 at Osmania University, Hyderabad.

Dr. A. Uma:

- Attended INDO-CANADA work shop held at IICT in Jan 2011.
- National conference on “Biomarkers for diseases-prospects and Challenges”, Feb, 24-25th, 2012.
- Attended International symposium on developmental and complex disorders & 38th Annual conference of the Indian society of Human Genetics: Genomics and Community Health. December 9-11, 2012.
- Attended Indo-US conference on advanced lignocellulosic biofuels, held in IICT on 10-11th, Nov, 2014.

Dr. L. Saida Naik:

- Training in Academic Leadership Programme for TEQIP Institutions, IIM, Kozhikode. (23-28 Nov, 2015)
- Participated in Continuing Education Program on “Summer Workshop on Problem Solving Skills in Bioprocess Engineering 2015”, IIT Madras.
- Participated in the “Workshop of Internal Quality Assurance Mechanisms”, IIT Madras (28th to 30th Oct, 2014)
- Chaired in “International Conference on Environment & Energy”, Technical Session, JNTUH, Hyderabad. (15-17 Dec, 2014)
- Participated in AICTE Organized (TEQIP-II) Pedagogical Training (Module-I), NITTT & Research, Chandigarh.
- Participated in National Workshop on Modeling, Simulation & Optimization of Bioprocess, NIT, Warangal.

26. Faculty serving in



a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Dr. M. Lakshmi Narasu:

- Director, Institute of Science and Technology, JNTUH from Sept. 2008 till December 2011.
- Chairperson, Board of Studies in Biotechnology for JNTUH, Hyderabad from September 2003 to September 2012.
- Governing council member of IST and also a couple of colleges affiliated to JNTUH.
- Life Member, Indian Society for Analytical Chemists.
- Life Member, Society for Biological Chemists, India.
- Life Member, Indian Science Congress Association.
- Life Member, Association of Microbiologists, India.
- Served as a Member (for two years) of the interview committee for selection of students for award of fellowships under Kishore Vaigyanik Prosthahan Yojana (KVPY). This is funded by DST and managed by IISc, Bangalore.
- Ethical committee member for research being conducted at Maternal Health Research Trust and also a Member of the Institutional Bio safety committee for Nagarjuna research foundation, Hetero and BioViz Laboratories
- Member, Board of Studies of Biotechnology of JNTU Hyderabad and its affiliated colleges.
- External Member, Board of Studies of Biotechnology of JNTU Kakinada, JNTU Anantapur and Sri Padmavathi Mahila Viswa Vidyalayam.
- Reviewer for Pedagogy project under MHRD for the course Down Stream Processing in Biotechnology involving the development of online course content.
- External expert for recruitment of teaching posts for Osmania University
- Guest Editor for the special section on “International Conference on Advances in Biohydrogen Production and Applications” for the International Journal on Hydrogen Energy Volume 39 issue 14 May 2014.
- Appointed as Australia Awards Ambassador by Australian High Commission in January 2015.

Dr. Archana Giri:

- Member Natco Pharma
- Institutional Biosafety Committee Member
- Editor for the Journal of Phytomedicine
- Reviewer for Frontiers in Plant Biotechnology, Plant Growth Regulation

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

- Participated in a Workshop on “Enzyme Engineering and process Optimization Principles” Organised by CIR & CBT, IST, JNTU during 16th and 17th March 2012. (Dr. Archana Giri)
- Participated in a three day workshop on “Biostatistics, Research Methodology and Manuscript preparation from 24th -26th July 2014 at JNTUH, Hyderabad. (Dr. Archana Giri)
- Participated in a two day national workshop on bio-fuels from waste on 5th and 6th



August 2014 at JNTUH, Hyderabad. (Dr .Archana Giri)

28. Student projects

percentage of students who have done in-house projects including inter-departmental projects : **20%**

percentage of students doing projects in collaboration with other universities industry / institute : **80%**

29. Awards / recognitions received at the national and international level by (Last four years)

Dr. M. Lakshmi Narasu:

- Meritorious Teachers Award by Govt. of Andhra Pradesh 2011
- Endeavour Executive Award by Australian Government in 2010
- Elected Fellow of A.P. Academy of Sciences in November 2010
- Awarded certificate of Excellence for research guidance by R&D cell of JNTUH
- Elected Fellow of National Environmentalists Association
- Elected Fellow of Association of Biotechnology and Pharmacy

Doctoral Fellow:

- **Mr. Anjaneyulu Musini:** -Canadian Commonwealth Fellowship award.
- **Mr. Venkanna Banothu:** -Rajiv Gandhi National Fellowship award.

30. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any None

Conferences / Seminars / Symposium / Workshops	Duration	Conduct at (Venue)	Source of funding	Coordinator
National conference on bio industry interactions	28th August 2010	IST,JNTUH	DBT	Prof. M Lakshmi Narasu
Workshop On Next Generation Sequencing and Drug Design	11th & 12th February 2012	IST,JNTUH	CBT & CIR	Dr. A Uma
Workshop on enzyme engineering and process optimization principles	16th & 17th march 2012	IST,JNTUH	CIR	Dr. A Uma
International conference on advances in biological hydrogen production and applications	14th & 15th December 2012	J N T U H Auditorium	MNRE	Prof. M Lakshmi Narasu



National workshop on Biofuels from waste	August 5th 6th 2014	IST,JNTUH	TEQIP-II	Prof. M L a k s h m i Narasu
National Work shop on Biostatistics, RM and Manuscript preparation.	2 4 - 2 6 t h July, 2014	IST,JNTUH	CBT	Dr. A. Uma

31. Code of ethics for research followed by the departments

- Extending facilities to individual faculty members
- Complete administrative support at the Centre level.
- Non interference and transparency.
- Cooperation among the faculty members in usage of laboratories.
- Research scholars are encouraged motivated to interact with scientist. Experts nationally and internationally.

32. Student profile programme-wise

Name of the Programme (refer to question no. 4)	Application s received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Tech (Biotechnology) year 2012	23	09	14	100%	--
M.Tech (Biochemical Engg) year 2012	18	7	11	95%	--
M.Tech (Biotechnology) year 2013	25	09	16	95%	--
M.Tech (Biochemical Engg) year 2013	18	10	8	90%	--
M.Tech (Biotechnology) year 2014	18	05	13	70%	--
M.Tech (Biochemical Engg) year 2014	17	10	07	90%	--
M.Tech (Biotechnology) year 2015	17	03	14	--	--
M.Tech (Biochemical Engg) year 2015	04	01	03	--	--

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the	% of students from other countries



			State	
2015-2016	--	100%	--	--
2014-2015	--	100%	--	--
2013-2014	--	100%	--	--
2012-2013	--	90%	--	10%

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

- GATE: 19
- SLET/NET: 03

35. Student progression

Student progression	Percentage against enrolled
UG to PG	--
PG to M.Phil.	--
PG to Ph.D.	30%
Ph.D. to Post-Doctoral	--
Employed	
Campus selection	10%
Other than campus recruitment	60%
Entrepreneurs	10%



36. **Diversity of staff**

Percentage of faculty who are graduates	
of the same university	50%
from other universities within the State	40%
from universities from other States	10%
from universities outside the country	--

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period **2 (Adhoc Lecturer)**

38. Present details of departmental infrastructural facilities with regard to

- a) Library **271**
- b) Internet facilities for staff and students **Available**
- c) Total number of class rooms **05**
- d) Class rooms with ICT facility **All class rooms have ICT facility**
- e) Students' laboratories
 - Genetic Engineering lab
 - Plant biotechnology lab
 - Animal cell culture lab
 - Bioprocess engineering lab
 - Process Engineering principle lab
 - Bioinformatics Lab
 - Walking Cold room
 - Microbiology and Biochemistry lab
- f) Research laboratories **05**

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university **Nil**

Name of the Research Personnel	Nature:(JRF/SRF/RA PDF/any other)
TH. Rama Devi	Inspire Fellowship
P. Srinivas Kumar	CSIR



G. Alekhya	Inspire Fellowship
P. Arunima	Inspire Fellowship
B. Venkanna	RGNF
B. Ravi	RGNF
M.S. Swathi	RGNF
Ch. Sathvika	TEQUIP
Madhavi	TEQUIP
Kalyani CH	JNTUH
Anjaneyulu M	JNTUH
Suresh B	JNTUH
Ranjith P	JNTUH
Dr. Sunitha	Post doctoral
Dr. Prashanth Kumar	Post doctoral

b) from other institutions/universities **Nil**

40. Number of post graduate students getting financial assistance from the university.

- 2013-2014 year - 9 students
- 2014-2015 year -10 students

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. **Nil**

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

- To enhance the teaching learning process through quality circle meeting by taking proper feedback of the corresponding theory and Lab courses.

b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

- The feedback from the students is used to improve the learning process innovative and effective.
- To improve the quality of teaching learning process, both quantitative and qualitative measure is applied.
- To enhance the teaching learning process through quality circle meeting by taking proper feedback of the corresponding theory and Lab courses.

c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

- The feedback from alumni is used to improve the curriculum in order to



make it effective to the demand of the Industry.

- With the help of alumni association the students are provided with proper technical and other necessary training and placement benefits.

43. List the distinguished alumni of the department (maximum 10)

- Dr. Srinivasulu: Asst. Professor Centre for Biotechnology NIT, Warangal
- Dr. Srinivasulu Reddy: Research scientist ICRISAT, Hyd.
- Dr. Sudhakar Scientist B, CCMB, Hyd
- Dr. Satyanarayana, Asst. Professor, Dept. of Biotechnology, GITAM University, Vizag
- Dr. Laxmi P: Sr. Lecturer, CBT, IST, JNTUH, Hyderabad
- Dr. Sirisha: Sr. Lecturer, CBT, IST, JNTUH, Hyderabad
- Mrs. Kalyani Ch.: Lecturer, CBT, IST, JNTUH, Hyderabad
- Mr. Suresh P: Lecturer, CBT, IST, JNTUH, Hyderabad
- Mr. Ranjith P: Lecturer, CBT, IST, JNTUH, Hyderabad
- Mr. M Anjaneyulu: Lecturer, CBT, IST, JNTUH, Hyderabad

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts

- Mr. M Anjaneyulu, Devika (Research scholar) Presented paper in national conference on recent trends in science and technology, 25-26 Feb 2015, organized by JNTUH college of Engineering, Karimnagar India.
- Mr. M Anjaneyulu (Research scholar) Presented poster in national symposium “SIPRA innovative Pharma research awards-2015” organized by Sipra labs limited Hyderabad India, held on July 2015.
- Miss. Devika Presented paper in national conference on recent trends in science and technology, 25-26 Feb 2015, organized by JNTUH college of Engineering, Karimnagar India.
- Mr. Sharath Presented paper in national conference on recent trends in science and technology, 25-26 Feb 2015, organized by JNTUH college of Engineering, Karimnagar India.
- Mr. Hyder Presented poster in national symposium “SIPRA innovative Pharma research awards-2015” organized by Sipra labs limited Hyderabad India, held on July 2015.
- Mr. K Venkateswar Reddy has participated in the seminar on Recent Advances in Environmental Sciences, 24th December 2013, organized by University College, Palamuru University, Mahabubnagar, India.
- Mr. K Venkateswar Reddy has participated in two day workshop on Next Generation Sequencing & Drug design, 11th & 12th February 2012, organized by Centre for Biotechnology and Centre for Innovative Research, IST, JNTUH, Hyderabad, India.
- Miss. Suryakala presented a paper in AP Science Congress and annual convention of



APAS, 18-20 November 2010, Organized by JNTUH, Hyderabad, India.

- Mr. K Venkateswar Reddy has participated in three day workshop on Biostatistics, Research methodology & Manuscript preparation, 24th - 26th July 2014, organized by Centre for Innovative Research, IST, JNTUH, Hyderabad, India.
 - Mr. T. Chiranjeevi has given an Oral Presentation on Production of Holocellulolytic Enzymes by *Cladosporium cladosporioides* under Submerged and Solid State conditions using Vegetable Waste as Carbon Source, 16-17 November 2013, Organized by Dept. of Chemical Engineering, National Institute of Technology, Warangal, India.
 - Mr. K Venkateswar Reddy has participated in Two day National workshop on Bio-fuels from Waste, 5th & 6th August 2014, organized by Centre for Biotechnology, IST, JNTUH, Hyderabad, India.
 - Mr. K Venkateswar Reddy has participated in One day workshop on River Sand Mining Management and Environmental Impact Assessment, 22nd February 2013, organized by Centre for Environment, IST, JNTUH, Hyderabad, India.
 - Mr. K Venkateswar Reddy has participated in oral Presentation in Recent Trends in Emerging Infectious Diseases and Environmental Pollution, 31st January & 1st February 2013, organized by Department of Zoology D.B.F. Dayanand college of Arts and Science, Maharashtra, India.
 - Mr. K Venkateswar Reddy has participated in two day National Conference on Renewable and Sustainable Energy, 27th & 28th June 2014, organized by Institute of Science and Technology, JNTUH, Hyderabad, India.
45. List the teaching methods adopted by the faculty for different programmes.
- Conducting few surveys like VARK surveys for assessing learning capabilities of the students
 - Seminars, expert lectures, visual aids.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- Through meetings and random checks by Dean, HOD and established committees.
 - By interacting with students and faculty frequently to check the progress.
47. Highlight the participation of students and faculty in extension activities.
- The faculty and students actively participate in various seminars and workshops organized by the institute and others institutes.
- The students also participated in blood donation camps organized by NSS and “Swachh Bharath” Programs.
 - Students & Faculty involved in Plantation Programmes



48. Give details of “beyond syllabus scholarly activities” of the department.
- Students/Research scholars/and faculty are being involved in the organization number of conferences /training programmers/ workshops. This enables the students/faculties/Research scholars to enrich their knowledge in subject domain.
 - The faculty introduce value addition contents for the corresponding theory and lab courses.
 - The monitoring committee under the chairmanship of HOD monitors and access the value addition activities.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. **No**
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- Technology Information, Forecasting and Assessment Council(TIFAC),
 - Technical Education Quality Improvement Program (TEQIPII).
 - Through research and development activities.
 - Introducing value addition courses.
 - Conducting In-house and industrial training activities.
51. Detail five major Strengths, Weaknesses, Opportunities, and Challenges (SWOC) of the department.

Strengths	Weaknesses	Opportunities	Challenges
Good networking with National and International organisation, Expertise Faculty	Lack of Required number of Permanent Faculty	Interaction with industry	Infrastructure funds

52. Future plans of the department.
1. To promote Research and Development activities by developing various multi-disciplinary research groups.
 2. To provide wider access to people for pursuing professional programmes to inculcate entrepreneurial skills.
 3. To further strengthen an Industry Institute Interaction Cell (IIC) to improve the Campus placement.
 4. To organise workshops, symposiums, seminars, faculty development programs and conferences in the department to promote spatial information technology based interdisciplinary research.
 5. To establish incubation centre for developing entrepreneurship and promoting start-up with innovative ideas.



6. To increase the R&D Projects for developing the interest to students towards Research and Innovations.



Centre for Nano Science& Technology

1. Name of the Department Centre for Nano Science & Technology,
Institute of Science and Technology
(IST), JNTUH.
2. Year of establishment June 2007
3. Is the Department part of a School/Faculty of the university? The Department is part of a Faculty of the university
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

S. No.	Program	Name of the Course	Duration
1	PG	M. Tech. Nano Technology	2 Yrs
2	PG	M. Tech. Nano Electronics & Photonics	2 Yrs

5. Interdisciplinary programmes and departments involved: **None**
6. Courses in collaboration with other universities, industries, foreign institutions, etc.

Universities	R&D and Industries	Foreign Institutions
<ol style="list-style-type: none"> 1. School of Engineering Sciences & Technology, University of Hyderabad, Hyderabad. 2. Department of Physics, Sri Venkateswara University, Tirupati. 3. Andhra Loyola College, Vijayawada. 4. JNTUK, Kakinada 5. JNTUA, Ananthapur 6. SVU, Tirupati 7. ANGRAU, Hyderabad 	<ol style="list-style-type: none"> 1. International Advance Research Centre for Powder Metallurgy and New Materials(ARCI), Hyderabad 2. Indian Institute of Chemical Technology (IICT), Hyderabad. 3. Central Institute of Tool Design, Research Centre Imarath, DRDO, Hyderabad. 4. Advance System Laboratory, DRDO , Hyderabad 5. Defence Research & Development Laboratory, DRDO, Hyderabad 6. Defence Metallurgical Research Laboratory, DRDO, Hyderabad. 7. Lucid Laboratory, Hyderabad. 8. NED Energy Ltd, 	<ol style="list-style-type: none"> 1. Dr. A. Rambabu, Research Scientist, National Research Centre for the Working Environment, Svenska Aerogel AB, Lersø Parkallé 105 , DK-2100 Copenhagen. 2. M.ClaraGoncalves, Professor of Chemical Engineering, Instituto SuperiorTecnico,IST Lisbon, Portugal 3. S r i d h a r N i m m a g a d d a , Associate Professor of Radiology, Medicine and



	Hyderabad.	Oncology, Johns Hopkins University
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7. Details of programmes discontinued, if any, with reasons

Name of the Programme	Name of the Course Discontinued	Reason	Duration
PG Programme (M. Sc)	Nano Science & Technology	Lack of Eligible Candidate	2 Yrs

8. Examination System: Annual/Semester/ Trimester/Choice Based Credit System **Semester**

9. Participation of the department in the courses offered by other departments **Nil**

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Cadre	Sanctioned	Filled	Actual (including CAS & MPS)
Professors	--	--	--
Associate Professors	1	1	1
Assistant Professors	2	2	2
Others	--	--	--

11. Faculty profile with name, qualification, designation, area of specialization and experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years exp.	No. of Ph.D/ M. Phil Students
Dr. K. Venkateswara Rao	M.Sc., M.Tech., Ph.D.	Associate Professor	Nano Magnetic materials, Synthesis and Characterization of Nanomaterials, Thin films, Solar and Battery applications	17	8
Ms.Ch. Shilpa Chakra	B.Tech M.Tech., (Ph.D)	Assistant Professor	Nanomaterial synthesis, Characterization of Nanostructured material, Synthesis of Nanomagnetic materials, Green	5	--



			Nanotechnology, Drug Delivery, Nanobiotechnology		
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12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Senior Visiting Faculty

- Dr. V.V.S.S Srikanth, M.Sc., Ph.D., Asst Prof of Nanotechnology, Hyderabad Central University, Hyderabad.
- Dr. K. U. Bhaskar Rao, Director, DMSRDE, DRDO on nanotechnology and its applications
- Dr. Malkondaiah, Director, DMRL on synthesis of nanostructures
- Dr. Mukopadhya, DMSREE, DRDO, synthesis and characterization of nanomaterials
- Dr. N. Sridhar, Assoc. Professor, Georgia tech University on biomedical applications
- Dr. Palani balaiah, Assoc Professor, Singapore national university on solar cell applications
- Prof. M. Clara Goncalves, Professor of Chemical Engineering, Instituto SuperiorTecnico, IST Lisbon, Portugal on Design and Production of Silica and ORMOSIL nanoparticles for gene delivery.
- Dr. G. Murali Krishna, Assistant Professor at Delft University of Technology, Netherlands on Nano electro mechanical systems (NEMS).
- Dr. Vivek Dhand, Kyunghsee University, South Korea, Research Scientist on Current Scenario of Nanotechnology.
- Dr. M. Venkaiah, Asst. prof. at KCU, Karnataka on Properties of Nanostructure Materials.
- Dr. R. Jayvel, Professor and director, Centre for Nano Science and Technology, Anna University, Chennai on “Nanocrystalline Thin Film”
- Prof. V. R.K. Murthy, Physics Dept, IIT Madras on Microwave sintering of Nano Materials and Bulk Materials
- Dr.. K. Venugopal Reddy, Associate Professor, Physics Dept, NIT, Warangal on Sprintronic Application For Metal Oxide Semiconducting Materials
- Dr. A. Rambabu, Research Scientist, National Research Centre for the Working Environment, Svenska Aerogel AB, Lersø Parkallé 105 , DK-2100 Copenhagen on “Nanoporous silica's and their applications”
- Dr. B. Sreedhar, Principal Scientist, Inorganic and physical Chemistry Division, IICT, Hyderabad on “Tem & XPS Material Characterization”.
- Dr. P. K. Jain, Scientist, “F” & Team Leader, Centre for Carbon Materials, (ARCI), Hyderabad on “Carbon Nanotubes and its Application”.

13. Percentage of classes taken by temporary faculty – programme-wise information

S. No.	Name of the program	Percentage
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1	M.Tech (Nano Technology)	79%
2	M.Tech (Nano Electronics & Photonics)	86%

14. Programme-wise Student Teacher Ratio **15:1**

S. No.	Name of the program	Student Teacher Ratio
1	M.Tech (Nano Technology)	12:1
2	M.Tech (Nano Electronics & Photonics)	12:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Staff	Sanctioned	Filled	Actual
Technical	5 For hiring Temporary staff	--	5 (Hired)
Administrative staff	1	--	1

16. Research thrust areas as recognized by major funding agencies

Funding Agency	Thrust Area
University Fund	Synthesis and characterization of various Nanostructures including CNT's and Graphene
UGC	Humidity Sensors applications using Nano materials
DST	Gas Sensors
TEQIP-II	Nano instrumentation, Bio, Solar and Battery applications

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. (Last four years)

Project Title	National/ International	Funded By	Total Grants Received	Duration
Synthesis of Nanostructured metal oxides by microwave assisted room temperature ionic liquids and their applications	National	UGC	8.6 Lakhs	3 Yrs
Biology-Nanomaterials-Green Nanotechnology	National	UGC	11.7 Lacks	3 Yrs
Development of gas sensors by using microbial biofilms with ferrite nanoparticles	National	DST-SERB	37.4 Lacks	3 Yrs



18. Inter-institutional collaborative projects and associated grants received : Nil

- a) National collaboration
- b) International collaboration

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

Ongoing Projects	National	Funded By	Total Grants Received	Year of Approval	Duration
DST- Nano Mission	National	DST	2.6 Crores	2010	5 Yrs

20. Research facility / centre with :

State recognition

- First centre established in the state with the state of art technology instruments

National recognition

- Unique establishment involving research in multidisciplinary research areas such as enhanced solar conversion efficiency which is the active research area which Govt of India stresses to pursue.

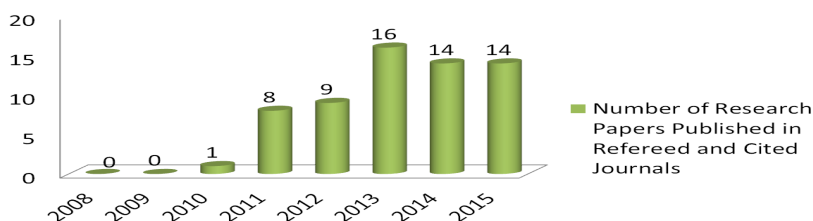
International recognition

- Yet to establish and discussions are under process on energy conversions with Okayama University, Japan.

21. Special research laboratories sponsored by / created by industry or corporate bodies:

- Under Progress with NED Energy Ltd, Hyderabad.

22. Publications: 86





* Monographs : Nil

* Chapters in Books : Nil

* Edited Books : Nil

* Books with ISBN with details of publishers

1. Combustion & Chemical Bath Deposition of Nanopowders and Thin Films with ISBN No. 978-3-659-35939-2, Lambert Publications, Germany, published in 2013.
2. Magnetic Nanoparticles: Synthesis and Characterization with ISBN No. 978-3-659-35864-7, Lambert Publications, Germany, published in 2013.
3. Solution Combustion Synthesis of Nanocrystalline Bismuth Ferrite with ISBN No. 978-3-659-34512-8, Lambert Publications, Germany, published in 2013.
4. CdS Nanoparticles and Thin films for Solar Cell Application with ISBN No. 978-3-659-37024-3, Lambert Publications, Germany, published in 2013.
5. Tribological Properties of Epoxy/ Al_2O_3 Nano Composites with ISBN No. 978-3-659-39289-4, Lambert Publications, Germany, published in 2013.
6. Novel Synthesis of Fe doped Zinc Oxide Nanoparticles Properties with ISBN No. 978-3-659-35372-7, Lambert Publications, Germany, published in 2013.
7. Nano Crystalline Lanthanum Ferrite: Synthesis and Characterization with ISBN No. 978-3-659-37615-3, Lambert Publications, Germany, published in 2013.
8. Seed Germination Activity - ZnO Nanoparticles with ISBN No. 978-3-659-37806-5, Lambert Publications, Germany, published in 2013.
9. Carbon Nanomaterial: Graphene Oxide and Graphene Oxide Film with ISBN No. 978-3-659-37639-9, Lambert Publications, Germany, published in 2013.
10. Modern Ayurvedic Method: Iron Oxide Nanoparticles with ISBN No.



978-3-659-37779-2, Lambert Publications, Germany, published in 2013.

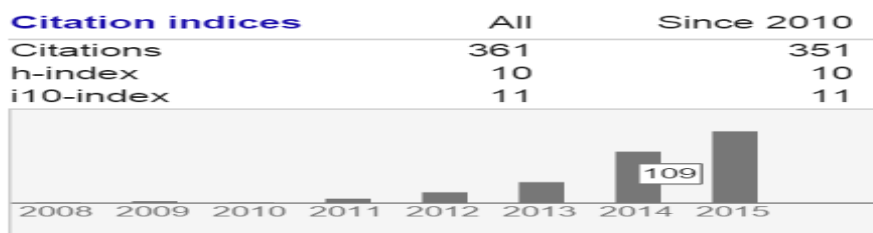
11. Silver Nanoparticles-Bio Synthesis by Ocimum Species with ISBN No. 978-3-659-36385-6, Lambert Publications, Germany, published in 2013

* Number listed in International Database (For e.g. Web of Science, Scopus,

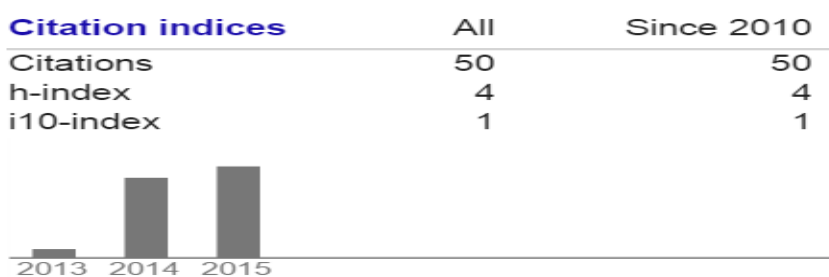
Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : Nil

* Citation Index – range / average

I. Dr. K. Venkateswara Rao
Citations:



II. Ms. CH. Shilpa Chakra
Citations:

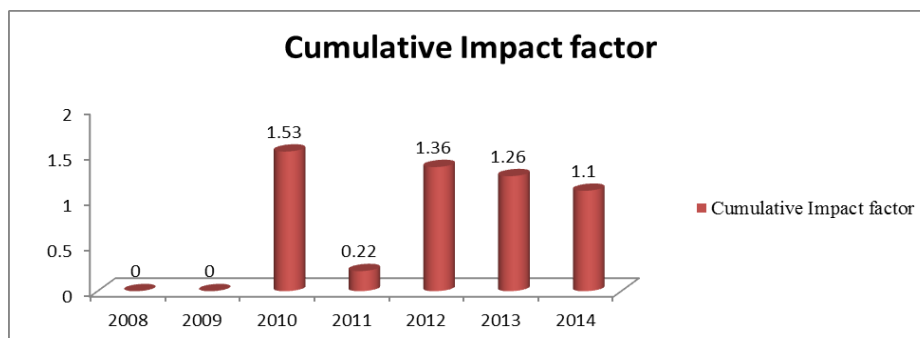


* SNIP : Nil



* SJR : Nil

* Impact Factor – range / average



* h-index : Nil

23. Details of patents and income generated : Nil

24. Areas of consultancy and income generated **Characterization facility like XRD, PSA, AFM and TG/DTA etc.,**

25. Faculty selected nationally / internationally to visit other laboratories / institutions industries in India and abroad:

Name of the faculty	Qualification	Designation	Visiting other Laboratories	
			National	International
Dr. K. Venkateswara Rao	M.Sc., M.Tech., Ph.D.	Assoc. Prof	VIT, PEC University, IITB, JNTUK, SVU, ANU, Swamy Ramananda Thirtha etc	John Hopkins University, USA.
Ms.Ch. Shilpa Chakra	B.Tech M.Tech., (Ph.D)	Asst. Prof	IISc, JNTUK, University of Jammu, MG University	Arizona State University, USA



26. Faculty serving in:

a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Faculty	Committee
Dr. K. Venkateswara Rao	BoS Chairperson for Nano Technology, IST, JNTUH.
	BoS Member for Physics, JNTUCEH.
	BoS Member for Physics, JNTUK.
	BoS Member for Nano Technology, JNTUK.
Ms. Ch. Shilpa Chakra	BoS Member for Nano Technology, JNTUH.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs): **NIL**

Name of the Course / Summer School	Place	Duration	Sponsoring Agency
Dr. K. Venkateswara Rao:			
Orientation course	U G C - A S C JNTU	4 weeks	UGC , New Delhi
Mobile Computing	U G C - A S C JNTU	3 weeks	UGC , New Delhi
Special Information and Technology	CSIT, JNTU	4 weeks	UGC , New Delhi
Remote Sensing GIS and GPS	U G C - A S C JNTU	3 weeks	UGC , New Delhi
Communication & Presentation Skills	IMTR- Goa	1 week	DST, New Delhi
Quality Initiative in Technical & Higher Educational Institutions	E I C S , Hyderabad	1 week	EICS, Hyderabad
Biomedical waste management – handling and safe disposal options	E I C S , Hyderabad	1 week	EICS, Hyderabad
Environmental issues in mining sector – legal and statutory requirements	E I C S , Hyderabad	1 week	EICS, Hyderabad
Ms. CH. Shilpa Chakra			
Refresher course	U G C - A S C JNTU	4 weeks	UGC, New Delhi
Orientation Course	U G C - A S C , JNTU	4 weeks	UGC, New Delhi

28. Student projects

percentage of students who have done in-house projects including inter-departmental projects: **70%**



percentage of students doing projects in collaboration with other universities industry / institute: **30%**

29. Awards / recognitions received at the national and international level by (Last four years):

Awards Received At The National And International Level

Student Name	Award Name	Received by
Tambur Pavani	Best Poster Award	International Conference on Environment and Energy- at JNTU Hyderabad in 2014.
K. Ganapathi Rao	Best Oral Award	National conference on ATOM 2014, Govt College, Rajahmundry
CH. Ashok	Best Oral Award	Best oral presentation in ICMSET-2014 International conference at MLRIT, Hyderabad

30. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any: **NIL**

	No. of Workshops	No. of Seminars	No. of Conferences	
			National	International
Organized	01	07	01	01
Funded By	UDF	UDF	UDF	TEQIP-II
Outstanding Participants	Dr. T. N Rao, Dr. B. Sreedhar, Dr. Munirathnam	Dr. P.J Jain, Dr. Pammu	Prof. C. S Sunandana Dr. VVSS Srikanth, Dr. Bharathi Mohan	Dr. Rama Mohan, Dr. Palani Balahia Dr. Clara Goncalves Dr. Selvaraj

31. Code of ethics for research followed by the departments: **NA**

32. Student profile programme-wise

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Tech (Nano Technology)	18	14	04	85%	100 %
M. Tech (Nano Electronics & Photonics)	13	08	05	87%	100%

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same	% of students from other universities	% of students from	% of students from other countries



	university	within the State	universities outside the State	
Nano Technology	80%	20%	NIL	Nano Technology
Nano Electronics and Photonics	90%	10%	NIL	Nano Electronics and Photonics

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. :

No. of Students Cleared Competitive Examinations	
National	State
20	01

35. Student progression

Student progression	Percentage against enrolled
UG to PG	100%
PG to M.Phil.	10%
PG to Ph.D.	30%
Ph.D. to Post-Doctoral	100%
Employed	
Campus selection	10%
Other than campus recruitment	60%
Entrepreneurs	30%

36. **Diversity of staff**

Percentage of faculty who are graduates	
of the same university	60%
from other universities within the State	20%
from universities from other States	20%
from universities outside the country	NIL

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period **NIL**

38.

Present details of departmental infrastructural facilities with regard to	
a) Library	Available
b) Internet facilities for staff and students	Available
c) Total number of class rooms	Available
d) Class rooms with ICT facility	Available
e) Students' laboratories	Available
f) Research laboratories	Available



Infrastructural Details				
Library	Internet facilities		Class Rooms	Students & Research Laboratories
	Staff	Students		
01	20	20	02	06

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university		5
S. No	Name of the Research Scholars	
1	V. Rajendar	
2	CH. Ashok	
3	B.Satish	
4	S. Gautham	
5	T. Dayakar	
b) from other institutions/universities		Nil

40. Number of post graduate students getting financial assistance from the university. : **NIL**

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. : **NO**

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

- **Feedback is obtained from the faculty regarding curriculum as well as teaching-learning-evaluation. Faculty suggestions regarding curriculum changes and additional structural facilities required for enhancing the teaching learning process are generated from the faculty feedback. An assessment is made whether these are essential and the time frames. Accordingly these are discussed with senior faculty and higher-ups and final decision is taken**

b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

- **The dept analyses the feedback data taking into account the strength and weaknesses of the students corresponding to their feedback. An average performance appraisal of the faculty will be made. Corresponding to this appraisal the faculty will be involved in discussions with the head of the dept to change their course of teaching to circumvent the drawbacks and make course correction.**

c) Alumni and employers on the programmes offered and how does the department



utilize the feedback?

- **Broadly the suggestions are obtained from these two in general terms regarding state of art existing at that instant. This is done occasionally after assessing the viability of implementing their suggestions, required modifications will be made for subsequent academic years.**

43. List the distinguished alumni of the department (maximum 10) : NIL

S. No	Name	Passed out Year	Present Designation
1.	CH. Shilpa Chakra	2009	Asst Prof & HEAD, CNST,IST,JNTUH
2.	R. Sugunakar Reddy	2009	PDF, Singapore
3.	Venkat Ramana	2009	PhD, HCU
4.	R. Naresh	2009	PhD, HCU
5.	Hari Priya	2011	Scientist D, ISRO
6.	M. Srikanth	2011	PhD, Australia
7.	K. Manikanta	2011	PhD, Korea
8.	Nitesh Sharma	2012	Team Lead, TCS
9	CH. Ashok	2012	PhD, JNTUH
10	B. Satish	2012	PhD, JNTUH

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Name of the Expert	Date of conducted	Name of the Seminar Topic
Dr. Murali Krishna from USA.	07.01.2011	“Real-time Biosensing with Nanomechanical Microcantilever”
Dr. Sridhar Nimmagadda from USA	24.01.2011	“Introduction to molecular imaging & CXCR4 Based imaging agents for metastatic disease of advanced”
Dr. Mukesh Kumar Sinha from Kanpur	06.08.2011	“Nuclear Biological Chemical (NBC) protection and related issues”
Dr. LK Sharma from Uttar Pradesh	29.08.2011	“scope of nanotechnology”
Dr. V.S Chandrasekhar Pammi, from Allahabad	07.02.2012	“Introduction cognitive Science and its Application in Nano Engineering”
Srinivas Tadigadapa Professor from USA	05.06.2012	“Applications of Engineered Nanoscale interfaces”



Dr. Naidu .V Seetal Professor from USA	17.06.2012	“Synthesis, thermal / Radiation of FePt/FeRh nano particles” and “Characterization and application of Nano Magnetic Particles for Magnetic storage”
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45. List the teaching methods adopted by the faculty for different programmes:
- **Seminars & Tutorials**
 - **Group Discussions**
 - **Computer Based Teaching & Debriefing**
 - **Field Visit**
 - **Flipped Classrooms**
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? **Analyzing the student’s exam results**
- **The program educational objectives determined and evaluated through a regular consultation and examination process that involves four core constituents: student input is obtained through student feedback, interaction with students senate, exit interviews with graduating students, student evaluation forms and individual alumni input is obtained through regular meetings with alumni representatives, surveys with CNST department alumni and exit surveys with post graduating students, faculty input is obtained through departmental committees, regular faculty meetings and departmental retreats.**
47. Highlight the participation of students and faculty in extension activities:
- **Faculty and students are participating in workshops, seminars, national and international conferences**
 - **Students are participating in NSS and Swatch Bharat programs**
48. Give details of “beyond syllabus scholarly activities” of the department
- **The student seminars are conducted with each student studying a latest topics related to nanotechnology and applications and present in the seminar.**
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: **NO**
50. Briefly highlight the contributions of the department in generating new knowledge, basic



or applied: NIL

- The department is assigning to students projects related to new sensor technology new methods of synthesis like green synthesis apart from advance quantum computing techniques .The various sensors are based on used of nanostructure with or without doping. Some of the projects also based on use of nano structure for enhancing the solar energy conversion efficiency and these include use of nano particles of TiO₂ doped grapheme and other nano composites. The data generated from the above are comparable with a similar data generated elsewhere.

51. Detail five major Strengths, Weaknesses, Opportunities, and Challenges (SWOC) of the department.

Strengths:

- a. Physical Resources
- b. Learning Resources
- c. Research Resources

Weaknesses:

- a. Shortage of permanent faculty.
- b. Insufficient recreation facilities for faculty.
- c. Limitation of opening job oriented and skill development. .courses for the students.
- d. Non implementation of quality control program.
- e. Lack of proper campus recruitment facilities.

Opportunities:

- a. To introduce job oriented and skill development self- employment subjects.

Challenges:

- a. To provide job opportunities and funding Scientists pool.

52. Future plans of the department.

- Conducting job oriented and skill development lectures.



Centre for Pharmaceutical Sciences

1. Name of the Department Centre For Pharmaceutical Sciences,
Institute of Science and Technology
(IST), JNTUH.
2. Year of establishment 2007
3. Is the Department part of a School/Faculty of the university? Faculty of the University
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

S. No.	Program	Name of the Course	Specialization
1.	PG Programme (M.Pharm)	Pharmaceutics	2 Yrs
2	PG Programme (M.Pharm)	Pharmaceutical analysis and Quality assurance	2 Yrs
3	PG Programme (M.Pharm)	Pharmacognosy	2 Yrs
4	PG Programme (M.Pharm)	Pharmaceutical chemistry	2 Yrs

5. Interdisciplinary programmes and departments involved
 - CENTRE FOR BIOTECHNOLOGY
 - CENTRE FOR NANO TECHNOLOGY AND SCIENCE
6. Courses in collaboration with other universities, industries, foreign institutions, etc. PROJECTS
7. Details of programmes discontinued, if any, with reasons NIL
8. Examination System: Annual/Semester/ Trimester/Choice Based Credit System Semester
9. Participation of the department in the courses offered by other departments NIL
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Cadre	Sanctioned	Filled	Actual (including CAS & MPS)
Professors	1	1	1
Associate Professors	1	1	1



Assistant Professors	2	2	2
Others	--	--	--

11. Faculty profile with name, qualification, designation, area of specialization and experience and research under guidance: **Regular faculty recruitment is not being done. However eight faculty members are recruited on adhoc basis.**

S. No	Name	Qualification	Designation	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
1	Dr. M. Sunitha Reddy	M.Pharm, Ph.D	Assistant Professor & Head of the Dept	23 yrs	--
2	Dr. Gottumukkala Krishna Mohan	M.Pharm, Ph.D	Professor & BOS Chairman	28 yrs	8
3	Dr. M. Ajitha	M.Pharm, Ph.D	Associate Professor	16 yrs	2
4	Dr. S. Shobharani	M.Pharm, Ph.D	Assistant Professor and Additional Controller of Examinations - I	13 yrs	1

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: NIL

13. Percentage of classes taken by temporary faculty – programme-wise information: **95%**

Name of the Programme	Name of the Course	Duration	Percentage Of Lectures Delivered	Percentage Of Practical Classes Handled
PG Programme (M.Pharm)	Pharmaceutics	2 Yrs	50%	50%
PG Programme (M.Pharm)	Pharmaceutical analysis and Quality assurance	2 Yrs	50%	50%
PG Programme (M.Pharm)	Pharmacognosy	2 Yrs	50%	50%
PG Programme (M.Pharm)	Pharmaceutical chemistry	2 Yrs	50%	50%

14. Programme-wise Student Teacher Ratio: **12:1**



15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

Support staff (Technical): Filled through outsourcing agency

S. No.	Designation	No. of Outsourcing Posts Sanctioned	No. of Vacancies if any
1	DPO	01	--
2	Technical assistant	03	--
3	Attenders	03	--

16. Research thrust areas as recognized by major funding agencies
- **Pharmaceutics, Pharmacognosy,**
 - **Pharmaceutical analysis**
 - **Pharmaceutical chemistry**
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. (Last four years)

Name of the faculty	Funding Agency	Project Title	Grant received
Dr. G. Krishna Mohan	1.AICTE-RPS	Development and Standardization of Herbal Formulation for anti-HIV activity	15,00,000
	2.AICTE-MO DROBS	Centre for Ethno pharmacological studies	13,50,000
	3.DST-FIST	Fund for Improvement of S & T Infrastructure in Universities and Higher Educational Institutions	55,00,000
	4. DST-SERB	Synthesis, characterisation and pharmacological evaluation of some herbal mediated silver nano particles for anti diabetic activity	39,90,000
Dr M. Sunitha Reddy	A I C T E - MODROB	NDDS/SEDDS	20,00,000
Dr. M. Ajitha	1.UGC	Eco-design of Isatin derivatization under solvent free condition and evaluation for anticancer and antimetabolic activity	11,47,000
	2. AITCE	Development of solvent free and economically viable process for novel isatin derivatization and cytotoxic evaluation	6,50,000
Dr. S. Shobhani	1. UGC	Design, Microwave synthesis of novel Angiogenesis Inhibitors As Potential DNA Intercalators	14,35,800



	2.AICTE	Design and Novel Microwave Assisted Green synthesis of TRKS(Receptor Tyrosine Kinases)	24,60,000
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18. Inter-institutional collaborative projects and associated grants received: **NIL**

a) National collaboration

b) International collaboration

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

- **DST-FIST=55 lakhs,**
- **AICTE-MODROB=20L,**
- **UGC=25,82,800/-,**
- **AICTE=31,10,000/-**

20. Research facility / centre with :

State recognition	Yes
National recognition	Yes
International recognition	No

21. Special research laboratories sponsored by / created by industry or corporate bodies: **NIL**

22. Publications: (National and International) **146**

Sl. No.	Authors	Title	Journal Name	Impact factor
1.	R. Vani, B. Vijaya kumar, G. Krishna Mohan	Analytical method development and validation for the determination of lafutidine using RP-HPLC method in bulk and tablet dosage form	Scholars Research Library	1
2.	R. Vani, B. Vijaya kumar, G. Krishna Mohan	Development and validation of RP-HPLC method for simultaneous estimation of metformin and telmisartan in bulk and its tablets.	Indo-American Journal Of Pharmaceutical Research	2
3.	R. Vani, B. Vijaya kumar, G. Krishna Mohan	Analytical method development and validation for the determination of allupurinol and alphalipoic acid using RP-HPLC method in bulk and tablet dosage form	Research Journal Of Pharmacy And Technology	0.5
4.	P.Sailaja rao, G.Krishna Mohan.	Beneficial effects of different extracts of Momordica Dioica seed on lipid profile status in streptozotocin induced diabetic rats	International Journal of Pharma and bio Sciences	1.5



5.	P. Nagaveni, G Krishna mohan, Switi b Gaikwad.	Anticancer activity of Maytenus emarginata leaves and stems: a comparative study	Research journal of Pharmacognosy and phytochemistry	0.7
6.	E. Swapna, G. Krishna Mohan, P. Nagaveni, Kalakotla Shanker	Evaluation of Antioxidant activity of marketed Ayurvedic formulations- Balarishta	Research journal of Pharma-cognosy and phytochemistry	1.5
7.	Kalakotla Shanker and Gottumukkala Krishna Mohan	Green Synthesis and Characterization of Herbal Mediated Silver Nano Particles Using <i>Gymnema sylvestre</i> (Linn.),	Journal of nanobiotechnology Elsevier	1.5
8.	Lakshmi Pravallika.P, G. Krishna Mohan, K. Venkateswara Rao, K. Shanker,	Magnetic Nanoparticle Drug Delivery System-A Theranostic Agent For Alzheimer's Disease	International Journal Of Innovative Pharmaceutical Sciences and Research	0.5
9.	Lakshmi Pravallika.P, G. Krishna Mohan, K. Venkateswara Rao	Green synthesis & characterization of iron oxide magnetic nanoparticles using <i>Centella asiatica</i> plant-a theranostic agent	International Journal Of Engineering Research	1.5
10.	Shanker Kalakotla*, Krishna Mohan Gottumukkala, Sandhya Rani M, Pravallika PL	Herbal Drugs and Herbal Mediated Silver Nano Particles as Anti Diabetics: A New Horizon	International Journal of Pharmaceutical Sciences Review and Research	0.5
11.	William M Carey, Jeevan Mani Babu.D , Venkat Rao N, Krishna Mohan G,	Anti-inflammatory activity of the fruit of <i>Kigelia pinnata</i> DC	Pharmacologyon line	1.5
12.	Jyothi.G, William M Carey, Ravi Kumar B and Krishna Mohan G	Antinociceptive and Antiinflammatory Activity of Methanolic Extract of Leaves of <i>Shorea Robusta</i> .	Pharmacologyon line	1.5
13.	William M Carey, Venkat Rao N, Ravi Kumar B and Krishna Mohan G,	Anti-nociceptive and Anti-inflammatory activity of methanolic extract of <i>Kigelia pinnata</i> DC fruits	Phcog Mag	0.5
14.	Thirupathi, K. Krishna. D.R, RaviKumar. B, Krishna Mohan.G	Evaluation of antimicrobial activities of <i>Cleistanthus collinus</i> (RXB). Benth. & Hook. F	Journal of Pharmacy and chemistry	1.7



15.	William M Carey, Jeevan Mani babu D, Venkat rao N, Krishna Mohan G	Study of Anti inflammatory activity of Antigonon Leptopus Hook.et Arn root	Journal of Pharmacy and chemistry	1.5
16.	Baburao Bhukya ^{1*} , Rama Narsimha Reddy AnReddy ² and Krishna Mohan Gottumukkala ¹	Analgesic and anti-inflammatory activities of leaf extract of Hiptage benghalensis (L) Kurz.	Biomedical and Pharmacology Journal	1.5
17.	Baburao Bhukya ¹ , Rama Narsimha Reddy AnReddy ² , Carey M. William ¹ and Krishna Mohan	Analgesic and anti-inflammatory activities of leaf extract of Kydia calycina Roxb	Bangladesh journal of pharmacology	2.1
18.	Kiran Gangarapu ² , Narsimha Reddy Yellu ¹ , Krishna Mohan Gottumukkala ^{1*}	Antioxidant, Analgesic and anti-inflammatory activities of Leucas cephalotes (Roxb ex Roth) spreng	Brazilian journal of Pharmaceutical Sciences	2
19.	Switi B. Gaikwad, Dr. G. Krishna Mohan	Immunomodulatory activity of methanolic extract of Thespesia populnea leaves in Wistar albino rats	Asian Journal of Pharmaceutical and Clinical Research	1.5
20.	Switi B. Gaikwad, Dr. G. Krishna Mohan, Kavitha Reddy	Proximate analysis and phytochemical standardization of leaves of Two Malvaceous plants	Research Journal of Pharmacognosy and Phytochemistry	1.2
21.	Switi B. Gaikwad, Dr. G. Krishna Mohan, Sneha J	Antimitotic Activity and Brine Shrimp Lethality Test of Tectona grandis Linn. Bark linn	Research Journal of Pharmaceutical, Biological and Chemical Sciences	1.2
22.	Switi B. Gaikwad, Dr. G. Krishna Mohan, Reddy KJ	Moringa olifera leaves: immunomodulation in wistar albino rats.		0.7
23.	Switi B. Gaikwad, Dr. G. Krishna Mohan	Atibala: An Overview	Journal of Pharmacy and Health Research	0.8
24.	Kavitha Jayapala Reddy, Krishna Mohan G	Preliminary Phytochemical Standardization of Tree Exudates from India: Gum Kondagogu and Gum Ghatti	International journal of pharmacy and pharmaceutical	1.9



			sciences	
25.	Swaroop Rani Vanapatla, G. Krishna Mohan,	Effect of Root extract fractions of <i>Kyllinga triceps</i> Rottb on Streptozotocin Induced Diabetic Rats	Stamford Journal of Pharmaceutical Sciences	2
26.	Saleemulla Khan, G. Ramu, G. Krishna Mohan,	Tablet disintegration activities of new starch from immature pepino fruits,	Journal of Scientific and Industrial Research	1
27.	P.Goverdhan1, B. Diwakar, K.Thirupathi1 G. Krishna Mohan ..	Antinociceptive and anti-inflammatory, effects of <i>Cleome chelidonn</i> iLinn. roots in experimental animals	Ph.cog.Mag	0.9
28.	K. Thirupathi, S. Sathesh Kumar, P. Govardhan., Raju, B. Ravikumar, D. R. Krishna and G.Krishna Mohan.	A Review of Medicinal Plants of the Genus <i>Cordia</i> : Their Chemistry and Pharmacological Uses.	Journal of Natural remedies	0.5
29.	Pavan. P, Sathesh Kumar S, Thirupathi K, Ravi Kumar B and Krishna Mohan G	Protective effect of <i>Sphaeranthus indicus</i> on Carbon tetrachloride induced acute liver damage in rats	Biomed	1.5
30.	William Carey. M, Venkata Rao.N, Ravi Kumar. B, Krishna Mohan.G	Preliminary studies of analgesic and antiinflammatory properties of <i>Antigonon leptopus</i> Hook roots in experimental models	Journal of Health Sciences	1.2
31.	Venkat Rao N, Ravi Kumar B and Krishna Mohan G	Anti- nociceptive and Anti-inflammatory activity of methanolic extract of <i>Kigelia pinnata</i> DC fruits	Phcog Mag	1.5
32.	Thirupathi, K. Krishna. D.R, RaviKumar. B, Krishna Mohan. G	Evaluation of antimicrobial activities of <i>Cleistanthus collinus</i> (RXB). Benth. & Hook. F	Journal of Pharmacy and chemistry	1.3
33.	William M Carey, Jeevan Mani babu D, Venkat rao N, Krishna Mohan G.	Study of Anti inflammatory activity of <i>Antigonon Leptopus</i> Hook.et Arn roots	Journal of Pharmacy and chemistry	1.5
34.	Baburao Bhukya ^{1*} , Rama Narsimha Reddy AnReddy ² and Krishna Mohan Gottumukkala ¹	Analgesic and anti-inflammatory activities of leaf extract of <i>Hiptage benghalensis</i> (L) Kurz	Biomedical and Pharmacology Journal	1.6



35.	Baburao Bhukya ¹ , Rama Narsimha Reddy AnReddy ² , Carey M. William ¹ and Krishna Mohan Gottumukkala ¹	Analgesic and anti-inflammatory activities of leaf extract of <i>Kydia calycina</i> Roxb	Bangladesh journal of pharmacology	1.8
36.	M. Sandhya Rani, Rao.S. Pippalla, G. Krishna Mohan, -,	<i>Dodonaea viscosa</i> Linn-An overview	Journal of Pharmaceutical research and health care	
37.	Swaroopaa Rani. V*, Sujatha. S, Krishna mohan. G and Ravi kumar. B,	Antidiabetic effect of <i>Antigonon leptopus</i> Hook & Arn leaf on streptozotocin - induced diabetic rats,	Pharmacologyon line	1.9
38.	Kavitha Reddy, G Krishna Mohan. /	Natural polysachharides: Versatile excipients for controlled drug delivery systems. Natural Polysaccharides	Asian Journal of Pharmaceutical sciences	0.7
39.	B.Mohammed ishaq, DR.K.Vanitha Prakash, Dr.G.Krishna Mohan.,	Analytical method development & validation of prasurgel in bulk & its pharmaceutical formulation using the RP-HPLC method	Pharmaceutical Methods,	0.9
40.	Kavitha Jayapala Reddy, Krishna Mohan G.	Preliminary Phytochemical Standardization of Tree Exudates from India: Gum Kondagogu and Gum Ghatti.	Research Journal of Pharmaceutical, Biological and Chemical Sciences.	1.5
41.	M. Sandhya Rani, Rao .S. Pippalla and G. Krishna Mohan,	Anti-diabetic activity of methanolic and ethyl acetate extract of <i>Wrightia tinctoria</i> R.Br. Fruit,	International Journal of Pharmaceutical Sciences and Research	1.7
42.	M. Sandhya Rani, Rao .S. Pippalla and G. Krishna Mohan	Invitro study of Methanolic extracts of <i>Dodonaea</i> <i>viscosa</i> .Linn and <i>Wrightia</i> <i>tinctoria</i> R.BR on glucose uptake by isolated rat hemi-diaphragm	Int.J.Chem.Sci	1.8
43.	B.Mohammed ishaq, dr.k.vanitha Prakash,	RP-HPLC Method for simultaneous estimation of metformin & vildagliptin in	Journal Of Global Trends In Pharmaceutical	1.2



	Dr.G.Krishna Mohan.	bulk & its tablet formulation,	Sciences	
44.	Raghavendra v.kulakarni , rashmi boppana, Dr.G.Krishna Mohan, srinivas muthalik.	Ph-responsive interpenetrating network hydrogel beads of poly(acrylamide)-g-carrageenan & sodium alginate for intestinal targeted drug delivery: synthesis, invitro & in vivo evaluation	Journal of Colloid & Interface Science	1.5
45.	Iffath Rizwana1, K. Vanitha Prakash2*, G. Krishna Mohan	, Analytical Method Development And Validation For The Estimation Of Faropenem In Bulk And Pharmaceutical Formulation Using The Rp-Hplc Method,	International Research Journal Of Pharmacy	1
46.	Iffath Rizwana1, Dr. K. Vanitha Prakash, Dr. G. Krishna Mohan,	Rp-Hplc Method For Determination Of Tapentadol In Bulk And Its Pharmaceutical Formulation,	Journal of Global Trends in Pharmaceutical Sciences	0.9
47.	Kavitha Jayapala Reddy, Gottumukkala Krishna Mohan..	Comparitive Antidiabetic activity of Marketed Glicazide formulation with Gliclazide loaded pellets containing Gum Kondagogo as a drug retadring materal in rats	Asian Journal of Pharmaceutical and Chemical research	1.5
48.	Shanker K, Krishna Mohan G, Sakunthala Madhavendra, ,	Light and scanning electron microscopic (SEM) characterization and energy dispersive x-ray analysis (EDAX) of the medicinal plant Saraca indica Linn.	International Journal of Pharma Sciences	0.7
49.	Swaroop Rani V, Praneetha P, Krishna Mohan G, Ravi Kumar B, 2013.	Anti-hyperglycemic activity of Trichuriella monsoniae Bennet in streptozotocin induced diabetic rats.	International Journal of Advances in Pharmaceutical Research	1.5
50.	Hari kumar ch, Ramesh allure, Krishna mohan G.,	hepatoprotective effect of ethanolic extract of gosipium herbacium on paracetamol-induced liver damage in albino rats	Journal of global trends in pharmaceutical sciences	0.5
51.	Dr. M. Ajitha	L i q u i d chromatography-tandem Mass spectrometric assay for the non-nucleoside reverse transcriptase inhibitor rilpivirin in human plasma	B i o m e d i c a l chromatography, 2011	1.7



52.	Dr. M. Ajitha	Quantification of Bergenin from Mallotus philippinensis by HPTLC-MS and Study on Different Extraction Methods	Journal of Planar Chromatography 445-449	0.67
53.	Dr. M. Ajitha	Simultaneous determination of sitagliptin and simvastatin in human plasma by LC-MS/MS and its application to a human pharmacokinetic study	Biomedical Chromatography, 2012	1.7
54.	Dr. M. Ajitha	Simultaneous Determination of Ritonavir and Atazanavir in Human Plasma by LC-MS/MS and Its Pharmacokinetic Application	American journal of pharmatech research; 2012: 2,59-71	0.98
55.	Dr. M. Ajitha	Analytical method development and validation of Valsartan in bulk by RP-HPLC method	International Journal of Pharmaceutical Sciences Review and Research; 2012: 16(1), 88-90	2.1
56.	Dr. M. Ajitha	Analytical method development and validation of capecitabine in bulk by RP-HPLC method	International Research Journal of Pharmacy; 2012: 3(3), 178-180	0.43
57.	Dr. M. Ajitha	A sensitive and specific bioanalytical method development and validation of fenofebic acid in human plasma using liquid chromatography tandem mass spectrometry	American journal of pharmatech research, 2011: 4, 66-80	0.98
58.	Dr. M. Ajitha	A rapid and rugged bioanalytical method development and validation of clopidogrel in human plasma using liquid tandem mass spectrometry	American journal of pharmatech research, 2011: 1, 297-310	0.98
59.	Dr. M. Ajitha	Comparative antioxidant potential of some fruits and vegetables using DPPH	International Journal of Pharmacy and Technology,	0.35



		method	2 0 1 1 : 3(1),1957-1962	
60.	Dr. M. Ajitha	Pharmacological Screening of New Isatin-3-[N ₂ -Hetaryl-2-thioacetyl] hydrazones	International Journal of Pharmacy and Technology, 2011,3(1):1447-1453	0.35
61.	Dr. M. Ajitha	Paracetamol disposition following acute and sub-chronic treatment of fried onions	International Journal of Pharmacy and Technology, 2010, 2(4): 1291-1298.	--
62.	Dr. M. Ajitha	Synthesis and evaluation of New 3-substituted [3,4-dihydropyrimidinones] indolin 2-ones for Antioxidant activity	Asian journal of chemistry, 2009, 21 (6): 4635-4642	0.56
63.	Dr. M. Ajitha	Synthesis of new 2-substituted-[1,3,4]-oxadiazin o-[5,6-b]-indoles with H ₁ - anti histaminic , antimuscaranic and antimicrobial activity	D i e Pharmazie,2002: 57 (12): 796-799	1.3
64.	Dr. M. Ajitha	Synthesis and evaluation of New 3- substituted-[3, 4-dihydro pyrimidinones]-Indolin-2-ones for In vitro cytotoxic activity	International Journal of Pharmacy and Pharmaceutical sciences, 2011, 3(4)	0.32
65.	Dr. M. Ajitha	Synthesis and evaluation of New 3- substituted-[3,4-dihydro pyrimidinones]-Indolin-2-ones for Analgesic activity	International Research Journal of Pharmacy, 2011, 2(7): 80-84	--
66.	Dr. M. Ajitha	Synthesis and evaluation of New 3- substituted-[3,4-dihydro p y r i m i d i n o n e s]-Indolin-2-ones for Anti inflammatory activity	International Journal of Pharma and Biosciences, 2011: 2(4)	--



67.	Dr. M. Ajitha	Antidiabetic, antihyperlipidemic and free radical scavenging activities of an Ayurvedic medicine	Indian drugs, 2000, 37(3): 130-132	0.96
68.	Dr. M. Ajitha	Headache: Anupdate	Indian drugs, 2001, 38 (9): 447-457	0.96
69.	Dr. M. Ajitha	Role of Oxygen free radicals in human disease	Indian drugs, 2001, 38(11) :545-554	0.96
70.	Dr. M. Ajitha	Pregnancy: The role of drugs	Indian journal of clinical pharmacology and therapeutics, 2000, 20(3):72-77	1.22
71.	Dr. M. Ajitha	Cefpodoxime Proxetil: A New Stability Indicating RP-HPLC Method.	ISRN Chromatography, 2013:1-8	0.34
72.	Dr. M. Ajitha	RP-UPLC method development and validation for the simultaneous estimation of proguanil and atovaquone in pharmaceutical dosage form	Journal of Chemical and Pharmaceutical Research, 2013, 5 (12):1222-1229	0.45
73.	Dr. M. Ajitha	Rapid simultaneous determination of naproxen and esomeprozole magnesium in combined tablets by validated ultra performance liquid chromatographic method	Journal of Chemical and Pharmaceutical Research, 2013, 5 (12):1230-1236	0.45
74.	Dr. M. Ajitha	Liquid chromatography–tandem mass spectrometric assay for eltrombopag in 50µL of human plasma: A pharmacokinetic study	Journal of Pharmaceutical and Biomedical Analysis, 2014, 98:68–73	2.9
75.	Dr. M. Ajitha	Quantitative estimation of (-) - hinokinin, a trypanosomicidal marker in Piper cubeba, and some of its commercial formulations using HPLC-PDA	Journal of Pharmaceutical Analysis, 2014.	0.36



76.	Dr. M. Ajitha	A Green Analytical Method for the Simultaneous Estimation of Levofloxacin Hemihydrate and Ambroxol Hydrochloride Using Hydrotropy and First Derivative UV Spectroscopy	Oriental Journal Of Chemistry, 2014, 30 (3): 1385-1389	0.578
77.	Dr. M. Ajitha	Development and Validation of a Stability Indicating RP-HPLC Method for Balofloxacin	Oriental Journal Of Chemistry, 2014, 30 (4): 1919-1923	0.578
78.	Dr. M. Ajitha	Design And Synthesis of Novel Quinoline 3-Carbohydrazone Derivatives for their Antimicrobial and Antioxidant activity	International Journal of Pharmacy and Pharmaceutical Sciences, 2014, 6(6):254-258	1.6
79.	Dr. M. Ajitha	Synthesis of isatin–quinoline conjugates as possible biologically active agents	Toxicological & Environmental Chemistry, 2014, 98 (1):1-11	0.892
80.	Dr. M. Ajitha	Design and synthesis of new N'-substituted-2-methylquinoline-3-carbohydrazides with antioxidant and antimicrobial activity	Indian Journal of Chemistry, 2015, 54B (7), 930-935.	0.54
81.	Dr. M. Ajitha	An economical stability indicating rp hplc method for the simultaneous analysis of ofloxacin and tinidazole	Indo-American journal of pharmaceutical research, 2015, 5(8), 2803-2813	0.32
82.	Dr. M. Ajitha	A green analytical method for the simultaneous analysis of cefixime trihydrate and ambroxol HCl based on ultraviolet derivative spectroscopy	D r u g development and discovery, 2015, 6 (2),74-78	0.72
83.	Dr. M. Ajitha	Rapid, Selective, and Rugged Method Development and Validation of Atorvastatin and its Active Metabolites, o-Hydroxy Atorvastatin and p-Hydroxy Atorvastatin, in	Journal of Liquid Chromatography & Related Technologies, 2015, 38, 1585–1592.	1.4



		Stabilized Plasma Using Liquid Chromatography Coupled with Tandem Mass Spectrometry		
84.	Dr. M. Ajitha	Development and validation of forced degradation studies of atazanavir using RP-HPLC and characterization of degradants by LC-MS/MS	International Journal of Pharmaceutical Sciences Review and Research: 33(2),2015,11-15.	2.1
85.	Dr. M. Ajitha	Development and VALIDATION of forced degradation studies of lopinavir using RP-HPLC and characterization of degradants by LC-MS/MS	International Journal of Chemical Sciences: 13(1), 2015, 551-562.	0.13
86.	Dr. M. Ajitha	Development and validation of forced degradation studies of raltegravir using RP-HPLC and characterization of degradants by LC-MS/MS	Journal of Pharmaceutical Sciences and Research: 7(9), 2015, 685-689.	0.43
87.	Dr. M. Ajitha	Development and validation of forced degradation studies of Rasagiline mesylate using RP-HPLC and characterization of degradants by LC-MS/MS	International Journal of Pharma Research and Development.	--
88.	Dr. M. Ajitha	A Validated Bioanalytical Method for Quantification of Ziprasidone in Rabbit Plasma by LC-MS/MS: Application to a Pharmacokinetic Study	British Journal of Pharmaceutical Research: 6(5), 2015, 322-332	--
89.	Dr. M. Ajitha	Quantification of Etravirine in Rat Plasma by LC-MS/MS and Application to a Pharmacokinetic Study	Journal of Scientific Research & Reports: 8(4), 2015, 1-10.	--
90.	Dr. M. Ajitha	Formulation and Evaluation of Floating Mini Matrix Tablets of Thiamine Mononitrate	World Journal of Pharmaceutical Research Formulation 4(5), 2015, 2718-2736.	--



91.	Dr. M. Ajitha	Formulation and Evaluation of Floating Matrix Tablets of Dipyridamole	American journal of pharmaceutical research 5(4), 2015,1-15	0.98
92.	Dr. M. Ajitha	A novel and rapid LC-MS/MS assay for the determination of mycophenolate and mycophenolic acid in human plasma	Journal of Young Pharmacists, 2015 (Accepted for publication)	--
93.	Dr. M. Ajitha	Design, Synthesis and Docking Study of Some Novel Isatin-Quinoline Hybrids as Potential Antitubercular Agents	Anti-infective agents,14(1),2015	0.65
94.	M. Sunitha Reddy	Approaches to Gastro Retentive Drug Delivery Systems: An Overview	International Journal of Review in Life Sciences;	indexed
95.	M. Sunitha Reddy	Review on self micro emulsifying drug delivery systems	International Journal of Research in Pharmaceutical Sciences;	IC 5.44
96.	M. Sunitha Reddy	Micro needle drug delivery system-Overview	International Journal of Research in Pharmaceutical Sciences	IC 5.44
97.	M. Sunitha Reddy	Review on Needle free drug delivery systems	International Journal of Review in Life Sciences	IC 5.44
98.	M. Sunitha Reddy	Fast Dissolving Drug Delivery System - A Review	Research journal of pharma and tech	Indexed
99.	M. Sunitha Reddy	Solubility Enhancement of Candesartan Cilexetil Self Emulsifying Drug Delivery Systems	International journal of Pharmaceutical sciences and Research	1.89
100.	M. Sunitha Reddy	Chronopharmaceutical Drug Delivery Systems: Present Scenario	Journal of pharmacy research	2.5
101.	M. Sunitha Reddy	Drug Delivery through Osmotic Micropump – A	Research journal of pharmacy and	indexed



		Review;	technology;	
102.	M. Sunitha Reddy	A Review on Transbuccal Drug Delivery Systems and it Commercially Available Products	Research journal of pharmacy and technology	indexed
103.	M. Sunitha Reddy	Novel Approaches for Delivery of Proteins and Peptides – A Review;	Research journal of pharma dosage forms and tech	indexed
104.	M. Sunitha Reddy	Formulation and Evaluation of Zidovudine Matrix tablets using Dikamali	International Journal of Pharma and Bio Sciences	0.65
105.	M. Sunitha Reddy	Formulation and evaluation of sustained release matrix tablets of metformin by using the combination of natural and synthetic polymers:	World journal of pharmacy and pharmaceutical sciences	1.048
106.	M. Sunitha Reddy	Formulation and In-Vitro evaluation of gastro retentive In-situ floating gels of Repaglinide cubosomes	Journal of pharmacy research	2.5
107.	M. Sunitha Reddy	Formulation and evaluation of tenofovir orodispersible tablets by using different superdisintegrants	World journal of pharmacy and pharmaceutical sciences	1.048
108.	M. Sunitha Reddy	Formulation and Evaluation of Albendazole Sustained Release Matrix Tablets Using Okra Gum	International Journal of Research in Pharmaceutical and Biomedical Sciences	Indexed
109.	M. Sunitha Reddy	Review on Microrobot	International Journal of Research in Pharmaceutical Sciences	IC 5.44
110.	M. Sunitha Reddy	Enhancing the solubility of Candesartan cilexetil-Inclusion Complexation using β -CD. International Journal of Drug Delivery,	International Journal of Drug Delivery	1.02
111.	M. Sunitha Reddy	Formulation and Evaluation of Novel Lipid Based Solid Self Nano Emulsifying Drug	. International Journal of Pharmacy and	0.91



		Delivery Systems of Repaglinide	Pharmaceutical Sciences	
112.	M. Sunitha Reddy	Solubility Enhancement of Poorly Water Soluble Drug Efavirenz by Solid Self Emulsifying Drug Delivery Systems	International Journal of Pharma Research and Review	3.6
113.	M. Sunitha Reddy	Formulation and evaluation of Nevarapine Sustained Release Matrix Tablets Using Mucilage of Ambelmoschus Esculentus as Release Modifier	International journal of Pharmacy and Pharmaceutical Sciences	2.819
114.	M. Sunitha Reddy	Solubility Enhancement of Poorly Water Soluble Drug Efavirenz by Solid Self Emulsifying Drug Delivery Systems	International Journal of Pharma Research & Review	
115.	M. Sunitha Reddy	Fixed Dose Combination Products of Anti-Hypertensive's and Anti-Diabetics, – Regulatory Issues and Perspectives – an Indian perspective against USA and EU	International journal of Pharmacy and Pharmaceutical Sciences	2.274
116.	M. Sunitha Reddy	Formulation and evaluation of fast disintegrating tablets of Lamivudine using Ocimum basilicum seed mucilage as superdisintegrant	World Journal of Pharmaceutical Research	--
117.	M. Sunitha Reddy	Extraction and Characterization (Both Physico-Chemical and Analytical) of pectin obtained from Dillenia indica and Abelmoschus esculentus and compatibility study with glipizide for application in Novel drug delivery systems	Nanobio Pharmaceutical Technology (ELSEVIER)	0.678
118.	M. Sunitha Reddy	Formulation and in-vitro characterization of solid self nanoemulsifying drug delivery system (s.SNEDDS)of Simuvastatin	Journal of Pharmaceutical Sciences and Research	2.819
119.	M. Sunitha Reddy	Formulation, Evaluation and Optimization of Sustained Release Microcapsules of	International Journal of Chemical	2.0157



		Lornoxicam Prepared with gum Dikamali and pectin extracted from Dillenia Indica	Sciences	
120.	M. Sunitha Reddy	Formulation and Evaluation of Stavudine Sustain release Matrix Tablets Using Purified Neem Gum as Release Retardant	American Journal of Pharmacy and Health research	4.278
121.	M. Sunitha Reddy	Formulation and In-Vitro Evaluation of sustained release Matrix Tablets of Simvastatin using Tamarind seed Polysaccharide as Release Retardant	World Journal of Pharmaceutical Research	2.819
122.	M. Sunitha Reddy	Extraction and Characterization of Tamarind seed Polysaccharide as Pharmaceutical Excipient	International Journal of Innovative Pharmaceutical Sciences and Research	2.37
123.	M. Sunitha Reddy	Formulation and evaluation of Ranitidine Floating Matrix Tablets using Tamarind seed Polysaccharide as Release Retardant	International Journal of Pharmaceutical Research and Bio-Science	2.37
124.	M. Sunitha Reddy	Formulation and evaluation of Zidovudine Sustained Release Matrix Tablets using Manilkara Zapota Gum as a Release Retarding Polymer	World Journal of Pharmaceutical Research	indexed
125.	M. Sunitha Reddy	Formulation and Evaluation of Solid Self Emulsifying Drug Delivery System(S-SNEDDS)of Ritonavir Drug	Indo American Journal of Pharmaceutical Research	indexed
126.	M. Sunitha Reddy	Formulation and Evaluation of Solid Self Emulsifying Drug Delivery System(S-SNEDDS) of Lopinavir Drug	Indo American Journal of Pharmaceutical Research	IC 5.44
127.	S. Shobha rani	Novel alkynyl substituted 3,4-dihydropyrimidin-2(1H)-one derivatives as potential inhibitors of chorismate mutase	Bioorganic Chemistry 51 (2013) 48–53	2.152
128.	S. Shobha rani	Liquid Chromatography–Electrospray Ionization-Tandem Mass	International Journal of Pharmaceutical	0.72



		Spectrometric Method for the Simultaneous Quantitation of Escitalopram and Etizolam in Human.	Analysis	
129.	S. Shobha rani	Formulation of Viburnum erubescens root asava and its physico-chemical standardization.	Pelagia Research Library Der Pharmacia Sinica, 2015, 6(10): 8-15	1
130.	S. Shobha rani	LC-MS/MS assay for the determination of lurasidone and its active metabolite, ID-14283 in human plasma and its application to a clinical pharmacokinetic study.	Biomedical Chromatography 2015 (Accepted for publication).	1.72.
131.	S. Shobha rani	LC-MS/MS method development and validation of Montelukast in human plasma and its clinical application.	American Journal of Pharmatech Research. 2015; 5(3) 646-657.	0.9832
132.	S. Shobha rani	LC-MS/MS assay for irbesartan in human plasma using solid phase extraction technique: a pharmacokinetic study.	International Journal of Pharmacy and Pharmaceutical Sciences 2015; 7 (9) 335-340.	0.68.
133.	S. Shobha rani	In silico model simulation docking of tyrosine kinase inhibiting leukemia quinazolines.	Online Journal of Bioinformatics Volume 16 (2): 144-155, 2015	1.80
134.	S. Shobha rani	“Preparation And Physico-Chemical Standardization Of Viburnum Punctatum Arista	International journal of pharmacy and pharmaceutical analysis (2015, vol 02(03)	0.55
135.	S. Shobha rani	Review On Quinazoline Derivatives.	Journal of Global Trends in Pharmaceutical Sciences 2510 – 2527.	1.35
136.	S. Shobha rani	Synthesis, Charecterisation And Anti Microbial Activity Of 1-[2-Substituted Hydrazine Carbothioamido] - 4-Benzyl Piperazines.	Journal of Chemical and Pharmaceutical Sciences ISSN: 0974-2115.	0.684



137.	S. Shobha rani	Synthesis and pharmacological evaluation of novel imidazole derivatives.	International journal of pharmacy and analytical research, volume-3, issue -3	3.08
138.	S. Shobha rani	A new stability indicating quantitative rp-hplc method for blonanserin-a novel antipsychotic agent.	Indo-American journal of pharmaceutical research	2.37
139.	S. Shobha rani	Novel stability indicating validated RP_HPLC method for simultaneous qualification of artemethor and lumefantrine in bulk and tablet.	current pharmaceutical analysis	0.719
140.	S. Shobha rani	A new stability indicating validated method for the determination of aripiproazole in bulk and tablet dosage form using Rp-Hplc.	International journal of pharmaceutical sciences	1.79
141.	S. Shobha rani	Evaluation of analgesic and anti-inflammatory activities of momordiac chairantia.	international journal of pharmacy	2.864
142.	S. Shobha rani	Antidiabetic activity of rephanus sativus l, leaves extracts on alloxan induced diabetic rats.	journal of chemical and pharmaceutical research	0.32
143.	S. Shobha rani	Anatomical exploration of leucas aspera (wild) links a medicinal herb and its pharmacognostic relevance.	journal of pharmacy research	2.89
144.	S. Shobha rani	Natural polysaccharides: versatile excipients for controlled drug delivery systems.	Natural polysaccharides/ Asian journal of pharmaceutical sciences	0.484
145.	S. Shobha rani	Synthesis, analgesic and anti-inflammatory activities of new bisisatin malonohydrazides.	International journal of pharmacy and technology.	1.21
146.	S. Shobha rani	Antibacterial and cytotoxic activity of 2,2 ¹ -(5,5'-methylene bis (1,3,4-oxadiazole-5,2- diyl) bis (sulfanediyl)	International journal of chemical sciences.	1.191.



		bis(n'-(2-oxoindolin-3-ylidene) acetohydrazides.		
147.	S. Shobha rani	Antioxidant and DNA binding study of 2,2 ¹ -(5,5'-methylene bis (1,3,4-oxadiazole-5,2-diyl)bis(sulfanediyl) bis(n'-(2-oxoindolin-3-ylidene) acetohydrazides.	International journal of chemical sciences	1.191.
148.	S. Shobha rani	Antibacterial and anticancer activity of new bisisatin malonohydrazides.	International journal of chemical sciences	1.191.
149.	S. Shobha rani	Antioxidant and dna binding study 3,3'-(5,5'-methylene bis (3-mercapto -4 <i>h</i> -1,2,4-triazole-5,4-diyl)bis(azan-1-yl-1-ylidene) diindolin-2-ones.	International journal of pharmacy and technology	1.21
150.	S. Shobha rani	Antibacterial and cytotoxic activity of 3, 3'-(5,5'-methylene bis(3-mercapto-4 <i>h</i> -1,2,4-triazole-5,4-diyl)bis(azan-1-yl-1-ylidene)diindolin-2- ones.	JCHPS	0.684
151.	S. Shobha rani	Synthesis, characterization and in vitro cytotoxic activity of n-alkyl derivatives of isatin . <i>pharmacie globale</i> .	International Journal of Comprehensive Pharmacy	3.408
152.	S. Shobha rani	A new validated simultaneous RP-HPLC method for estimation of escitalopram and etizolam in bulk and tablet dosage form.	Scholars library	1.279
153.	S. Shobha rani	A new stability indicating quantitative RP-HPLC method for blonanserin-a novel antipsychotic agent.	Indo American journal of pharmaceutical research	2.37
154.	S. Shobha rani	Liquid chromatography-tandem massspectrometric assay for aliskiren, a novel rennin inhibitor in microvolumes of human plasma: a pharmacokinetic application in healthy south indian male subjects.	Biomedical chromatography	1.723
155.	S. Shobha rani	Micro chemical (elemental) analysis of leucas aspera(wild)	International journal of	0.533



		link employingsem-edax.	pharmaceutical sciences and drug research	
156.	S. Shobha rani	Microscopic and microchemical evaluation (elemental analysis) of the medicinal herb lippia nodiflora(linn.) Rich (phyla nodiflora linn.green).	Asian pacific journal of tropical disease	0.72
157.	S. Shobha rani	Hepatoprotective and antioxidant activities of areal parts (except fruits) of cicer arietinum against carbon tetrachloride induced hepatotoxicity in rats”.	International journal of pharmacy	1.21
158.	S. Shobha rani	Evaluation of analgesic and anti-inflammatory activity of momordica charantia.	international journal of pharmacy	1.21
159.	S. Shobha rani	Acute oral toxicity studies of ethanol leaf extracts of derris scandens and pulicaria wightiana in albino rats.	International journal of pharmacological research	2.92
160.	S. Shobha rani	Morus Albal., a new perspective:scanning electron microscopic, microchemical, GC-MS & UPLC-MS characterization.	International journal of research in pharmacy and chemistry.	0.510
161.	S. Shobha rani	Novel alkyl substituted 3,4-dihydropyrimidin-2(1H)- one derivatives as potential inhibitors of chorismate mutase.	Bioorganic chemistry.	2.152
162.	S. Shobha rani	A validation RP-HPLC method for Determination of mesoindigo in Bulk form.	Inventi rapid: Pharma analysis &Quality Assurance.	0.4
163.	S. Shobha rani	Stability indicating RP HPLC method for the estimation of Armodafinil in tablet dosage form.	International journal of pharmacy and pharmaceutical sciences	0.55
164.	S. Shobha rani	A validated RP-HPLC method for simultaneous estimation of aspirin and prasugrel in tablet dosage form	International of pharmaceutical sciences and research.	2.92
165.	S. Shobha rani	A simple RP-HPLC method for simultaneous estimation of	IOSR Journal of pharmacy and	1.519



		paracetamol and metoclopramide.HCL in tablet dosage form.	biological sciences.	
166.	S. Shobha rani	Targetting efficiency evaluation of fluoro uracil in plgamicosperes conjugated with human monoclonal antibodies.	Scientific abstracts –pharmacology and toxicology. 64 th Indian pharmaceutical congress	--
167.	S. Shobha rani	Microscopic and micro chemical evaluation of the medicinal herb, lippie nodiflora (Linn) rich (phylanodiflora linn.green)	Asian Pacific Journal of Tropical Disease	2

- * Monographs : Nil
- * Chapters in Books : Nil
- * Edited Books : Nil
- * Books with ISBN with details of publishers : Nil
- * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : Nil
- * Citation Index – range / average : Nil
- * SNIP : Nil
- * SJR : Nil
- * Impact Factor – range / average : Nil
- * h-index : Nil
- 23. Details of patents and income generated: : NIL
- 24. Areas of consultancy and income generated: : NIL
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions industries in India and abroad: : 2
- 26. Faculty serving in: : 2 for Editorial board
 - a) National committees b) International committees c) Editorial Boards d) any other (please specify)
- 27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs) : NIL
 - Refreshing Programs : 11
 - Workshops : 2
- 28. Student projects
 - percentage of students who have done in-house projects including inter-departmental projects: **60%**



percentage of students doing projects in collaboration with other universities industry / institute: **40%**

29. Awards / recognitions received at the national and international level by (Last four years):

Awards / Recognitions Received By

Faculty	Students
1	2



30. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any: **NIL**

Seminar/Conference Name	Date	Funding Agency	Number of Participants
Current Research Trends in Pharmaceutical Sciences	July 22 nd and 23 rd 2011	APSCHE	400
Pharmacy Education for Industry and Research Needs	17 th march 2012	APPCB, ZONAL OFFICE, HYD	350
Reforms and Innovations in Pharmacy Education towards Global Standards	17-18 th August 2012	AICTE	1500
Indo-American Pharmaceutical Regulatory Symposium	18 th . 19 th & 20 th October 2012	North-eastern University, Boston, USA	1300
Current status and future prospectus in pharmacy education and research-Towards industry application	29-30 th November 2013	AICTE & JNTUH	300
Reforms and Innovations in Pharmacy Education towards Global Standards	13-14 th March 2015	APTI	1600

31. Code of ethics for research followed by the departments:

- Extending facilities to individual faculty members
- Complete administrative support at the Centre level.
- Non interference and transparency.
- Cooperation among the faculty members in usage of laboratories.
- Research scholars are encouraged motivated to interact with scientist. Experts nationally and internationally.

32. Student profile programme-wise

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
Pharmaceutical analysis and Quality assurance	63	23	40	81	99
Pharmaceutics	66	20	46	92	99
Pharmacognosy	51	13	38	90	90
Pharmaceutical chemistry	8	3	5	NA	NA



33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Pharmaceutics	70	30	NIL	NIL
Pharmaceutical analysis and Quality assurance	80	20	NIL	NIL
Pharmacognosy	74	26	NIL	NIL
Pharmaceutical chemistry	83	17	NIL	NIL

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. :

GPAT	PGE CET
28	30

35. Student progression

Student progression	Percentage against enrolled
UG to PG	--
PG to M.Phil.	--
PG to Ph.D.	5
Ph.D. to Post-Doctoral	--
Employed	
Campus selection	Yes
Other than campus recruitment	Yes
Entrepreneurs	--

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	37%
from other universities within the State	63%
from universities from other States	NIL
from universities outside the country	NIL
37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period	2



38.	Present details of departmental infrastructural facilities with regard to	
	a) Library	Available
	b) Internet facilities for staff and students	Available
	c) Total number of class rooms	4
	d) Class rooms with ICT facility	Available
	e) Students' laboratories	Available
	f) Research laboratories	Available
39.	List of doctoral, post-doctoral students and Research Associates	
	a) from the host institution/university	--
	b) from other institutions/universities	Chelamalla Radhika
40.	Number of post graduate students getting financial assistance from the university.	--
41.	Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.	
42.	Does the department obtain feedback from	
	a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?	
	<ul style="list-style-type: none"> • Informing the faculty about the feedback and given suggestions to improve teaching – learning 	
	b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?	
	<ul style="list-style-type: none"> • Encouraging particular faculty to attend refreshing , orientation and workshops 	
	c) Alumni and employers on the programmes offered and how does the department utilize the feedback?	
	<ul style="list-style-type: none"> • Revision of syllabus and Laboratories are modified • Industry and academic visits are incorporated time to time • Guest lectures / invited lectures are arranged to give specific talk 	
43.	List the distinguished alumni of the department (maximum 10): NIL	
	STUDENT NAME	PLACE OF WORKING
	Chenna Rao	Aurbindo Pharma ltd
	Ashok	Dr. Reddy's
	Avinash	Drug Inspector



Naresh	Mylan
Ramya rudra	Drug controller board
Sneha	Drug controller board
Pranay	Gvk Bio
Kiranmai	Gvk Bio
Sandeep	Technical Assistant - JNTU
Harish	Daewoong
Shalini	Gvk Bio

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Conferences	Speakers Name & Designation	Topic
RIPE-2015 13th & 14th March 2015	Dr. C. K. Kokate, Vice Chancellor, KLE University (Session-I 13/03/2015)	Reforms and innovation in Pharmacy Education towards Global Standards
	Dr. C. Muthulingam, Principal Scientist, R&D Aurobindo Pharma, Hyderabad (Session-II 13/03/2015)	Recent trends in Generic Drug Development
	Dr. Vishwanadham, Retd. Professor, Osmania University, Hyderabad (Session-III 13/03/2015)	How to be a best student
	Dr. P. Reddanna, Dean, Life Sciences ,Hyderabad central University (Session-I 14/03/2015)	Innovation and Entrepreneurship challenges and opportunities
	Dr. Gayathri , Manipal Educational Society (Session-II 14/03/2015)	Innovation in Pharmacy Education
World Pharmacist's Day 25th September 2014	Dr. K. Subbi Reddy, Regional Director Pharmexcil, Retd Joint Director Drug Control and Administration.(Session-I)	Design and layout of Pharma Manufacturing Firm
	Dr. Rambau, Retd. Prof. K.U, Director, Technical, Pulse Pharmaceuticals Pvt Ltd (Session-II)	Role of Pharmacist in Society
	Dr. Indira , Medical Officer, JNTUH (Session-III)	Skin and Hair care
	Dr. Raghu Ram, MS,FRCS(Eng),FRCS (Edin), FRCS(Glasg), FRCE(Irel) (Session-IV)	Breast cancer – Prevention and Treatment
World Pharmacist's Day 25th September 2015	Dr. V. Venkateswarlu , Managing Director, Neuheit Pharma Technologies Pvt. Ltd, Hyd (Session-I)	Role of Pharmacist in Health Care - Generic Drug Development
	Dr. Satyanarayana Sr. General Manager, Natco Hyd (Session-II)	R&D Development of Cross linked Dextrins



Guest Lecture 14th August 2015	Dr. Shanker Lanke, Findlay University, USA	Pop Model Development to Determine the Dosage Regimen of Vancomycin in Adolescent patients
Guest Lecture 19th &20th December 2014	Dr. Raj Birudaraj. R. Ph.D, Technical Development leader, PTDM, Genentech, South sanfranciso USA	US and EU Technical Regulatory Considerations(19th) Pharmaceutical Industry US and India and CMC Project Management (20th)
CPER -2013 (Current status and Future Prospects in Pharmacy Education and Research –Towards Industry Application) 29th &30th November 2013	Dr. Rao V.V.S. Vadlamudi (Session-I 29th)	Career Prospects for Pharmacy professional in industry
	Dr. P. L. K. M. Rao, General Manager(QA) Enal drug Pvt (Session-II 29th)	The importance of positive attitude for Success
	Dr. G. Purushotam Reddy, Assistant Director international program, North-eastern University(Session-III 29th)	Application to Pharmacy
	Dr. M. N. A. Rao , General Manager, R&D, Divis lab (Session-I 30th)	Current status in Pharmacy Education towards industrial Applications
	Dr. Rami Reddy , Manager, Aurobinda (Session -30th)	Excipients co-processing technologies
Indo-American Pharmaceutical Regulatory Symposium 18th ,19th &20th OCTOBER-2012	Dr. P. V. Appaji, Director general, Pharmexcil, Govt. of India, New Delhi	Drug Regulatory Requirements-Pharma Exports to US
	Dr. Padmaja,CEO, IPROPAT, Intellectual property solutions ,Hyd	Importance of intellectual property Rights in Pharma Packing
	Dr. Rambhau, Adviser, NATCO Pharma, Hyderabad	Nano Drug delivery systems-quality control &Regulatory Aspects
	Dr. A. K. S. Bhujanga RAo, President NATCO Research Centre, Hyderabad	Tacking Contemporary Challenges in Pharmaceutical Process industry
	Mr. A. Karunakar, Drug Regulatory , Dr. Reddys Lab, Hyderabad	Regulations for better tomorrow-National and International perspective
	Dr. Vadlamudi V.RAo, Director, St. Peter's Inst. of Pharmacy, Warangal.	Selection of Disease specific targets for drug Discovery
	Dr. Ranjani.N, President , Pharmantra consulting services	Science and Regulatory affairs-do they intersect?



	Mr. G. Purushotam Reddy, Assistant Director international programs and Adjunct faculty Regulatory affairs north eastern University ,USA	Drug development: A regulatory and data management perspective
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45. List the teaching methods adopted by the faculty for different programmes:
- **AUDIO VISUAL, LCD PROJECTORS, OVER HEAD PROJECTOR**
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? Analyzing the student's exam results
- **YES, By meetings**
47. Highlight the participation of students and faculty in extension activities:
- **100%**
48. Give details of "beyond syllabus scholarly activities" of the department
- **Dance, singing, elocution, Swachh Bharath, plantation, Health camp, Women day celebration, NSS activity**
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: **NO**
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: **NIL**
- Technology Information, Forecasting and Assessment Council(TIFAC)
 - CENTRE in Environmental Geomatics
 - Capacity building and strengthening, in Geospatial Science and Technology.
51. Detail five major Strengths, Weaknesses, Opportunities, and Challenges (SWOC) of the department.

Major Strengths

- Major equipments
- Hands on training for projects and labs
- Direct contact teaching and learning
- Frequent interaction with visiting professor with industries & academia
- Frequent campus interviews for students

Weaknesses

- Lack of funding for the maintenance of equipments.



52 Future plans of the department.

- **Want to make a best research and teaching institute in the state**



Centre for Water Resources, IST, JNTUH

1. Name of the Department Centre for Water Resources, Institute of Science and Technology (IST), JNTUH.
2. Year of establishment 1984
3. Is the Department part of a School/Faculty of the university? Faculty of the University
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) PG, Ph.D.
5. Interdisciplinary programmes and departments involved
 - Remote Sensing
 - Spatial Technology
 - Geophysics
 - Agricultural Engineering
6. Courses in collaboration with other universities, industries, foreign institutions, etc. None
7. Details of programmes discontinued, if any, with reasons Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System Semester
9. Participation of the department in the courses offered by other departments

Programme	Level of Study	Cut-off Marks at entry, in %	Student strength
M.Tech(Water and Environmental Technology)	PG	Through PGCET	25
Ph.D(Water Resources)	Ph.D	Through JNTU Entrance Examination	4-5 per discipline

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Cadre	Sanctioned	Filled	Actual (including CAS & MPS)
Professors	0	0	3
Associate Professors	1	1	0



Assistant Professors	3	3	1
Others	--	--	--

11. Faculty profile with name, qualification, designation, area of specialization and experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. B. Venkateswara Rao	M.Sc, Ph.D	Professor	Water Resources	30 Years	01
Dr. K. Ramamohana Reddy	MS, Ph.D.	Professor	Water Resources	30 Years	02
Dr. C. Sarala	M.Tech, Ph.D.	Professor	Water Resources	17 Years	--
Dr. M. V. S. S. Giridhar	M.Tech, Ph.D.	Assistant Professor	Water Resources	10 Years	01

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

7

- Dr. Achi Reddy
- Dr. G. K. Viswanadh
- Dr. G. Jagmohan Das
- Dr. B.H. Briz Kishore
- Dr. N. Sriramulu
- Dr. P. Venugopala Rao
- Dr. P.L. Laxminarayana

13. Percentage of classes taken by temporary faculty – programme-wise information

Nil

14. Programme-wise Student Teacher Ratio

4:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Name of the designation	Sanctioned	Filled	Actual
Technical staff	1	0	--
Administrative staff	3	3	--



16. Research thrust areas as recognized by major funding agencies
- Ground Water Exploration and Management
 - Water Quality Monitoring
 - Integrated Watershed Management
 - Remote Sensing and GIS applications in Water Resources
 - Ground Water Modeling
 - Water and waste water treatment technologies
 - Rainfall-runoff modeling
 - Evapotranspiration studies
 - Microwave remote sensing
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. (Last four years)

Project Title	Funding agency	Duration	Grant Amount in lakhs	Name of the Principal Investigator
Rooftop rainwater harvesting, use and artificial recharge in urban scenario using Geomatics	AICTE, RPS, New Delhi	2 years	14.5	M. V. S. S. Girdhar
Hyperspectral remote sensing based crop inventory	UGC, New Delhi	3 years	12	M. V. S. S. Girdhar
Validation of hyper-spectral remote sensing based drought assessment through water balance and geomatic approach	AICTE, RPS, New Delhi	3 years	10.91	M. V. S. S. Girdhar
Application of Resistivity Imaging for the delineation of kaolinised zones to contain water well failures in the khondalitic terrain	DST	3 years	19.93	Dr. B. Venkateswara Rao
Urban Lake water quality Monitoring-A people's participation approach	Earth Watch International N G O , International Funding	3 Years	7	M. V. S. S. Girdhar

18. Inter-institutional collaborative projects and associated grants received **Yes**

Urban Lake water quality Monitoring-A people's participation approach Funding Agency:	Earth Watch International NGO, International Funding	3 Years	7 Lakhs	Dr. M. V. S. S. Girdhar
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19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received

- INSPIRE Fellows Ms. Shobha Rani and Ms. Roopa– 02 No’s from DST, Government of India.
- SRF – 01 No, Sri. Y. Shiva Prasad, DST Sponsored Project,
- SRF - 01 No, Smt. P. Sowmya, UGC Sponsored Project,
- TEQIP PHASE-I - 50 lakhs
- TEQIP PHASE-II - 1.50 Crores

Project Title	Funding agency	Duration	Grant Amount in rupees	Name of the faculty
Ultra micro level water shed management using Geomatics	AICTE, RPS, New Delhi	3 years	9.5 lakhs	M.V.S.S. Giridhar
Demonstrative rainwater harvesting structures in JNTUH campus Phase-I	CGWB, MoWR, New Delhi	2 years	27.93 lakhs	M.V.S.S. Giridhar
Demonstrative rainwater harvesting structures in JNTUH campus Phase-II	CGWB, MoWR, New Delhi	2 years	12.00 lakhs	M.V.S.S. Giridhar
Development of Hybrid Power Generation Model using Rain water, Solar and Wind	Institute of Engineers (I n d i a) , Kolkata	3 Years	0.6 lakhs	M.V.S.S Giridhar
Application of Multi geophysical techniques to delineate ground water potential zones and artificial recharge sites	AICTE	2009 to 2012	6.9	Dr. B. Venkateswara Rao
UGC Innovative programme for the M.Sc (satellite meteorology & weather informatics)	UGC	2011 to 2016	53.3	Dr. B. Venkateswara Rao
Application of Resistivity Imaging for the delineation of kaolinised zones to contain water well failures in the khondalitic terrain	DST	2013 to 2016	19.93	Dr. B. Venkateswara Rao

20. Research facility / centre with

State recognition

National recognition

International recognition



- The centre is having excellent research facilities for Ground water exploration, RS & GIS applications to water resources, Water Resource modelling and water quality investigations.
- The centre is already recognized by Central Public Health and Environmental Engineering Organizations as one of the centre of excellence for sponsoring the in-service personal from public health engineering departments of central government to the M.Tech programme at this centre. This is the first centre in the country from a state university after the IIT's. Similarly the centre is first of its kind in Deccan plateau to deal with comprehensively integrative Water Resources management.
- At a state level the centre was well recognized and only centre for Water Resources for the state of Telangana. It has carried out several research and training programmes sponsored by the state government.
- At international level the centre has attracted funds from IWMI Srilanka, 3rd World Academy of Sciences, and International Hydrology projects etc.

21. Special research laboratories sponsored by / created by industry or corporate bodies

None

22. Publications

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13. Patode R.S., Nagdeva, M.B., Ramamohan Reddy K., (2012) " Effect of Continuous contour trenches on Groundwater recharge for small catchment in Vidarbha Region Maharashtra" Association of Agrometeorologists, AP Chapter, CRIDA, Hyderabad January 22-23, 2013.
14. Ramamohan Reddy. K. R. Srirama Murthy and Rajesh S. Patode, 2013 "Thematic Integration Approach for Watershed and Land Management" – Indian Journal of Science & Technology Volume 6(10), P.No. 5380-5385.
15. Ramamohan Reddy, K., Jayarami Reddy, P. and Srinivasulu, P., (2013) "Urban case study of Hyderabad: Global Journal of Engineering, Design & Technology, Vol. 2 (4), pp 63-66.

Dr. M.V. S.S. Giridhar

1. Proceedings of 2nd International conference on HYDROLOGY AND WATERSHED MANAGEMENT with a focal theme on Improving Water Productivity in the Agriculture, December 2006.
2. Proceedings of WMEC'07 National Conference on Watershed Management and Impact of Environmental Changes on Water Resources, February, 2007.
3. Proceedings of 3rd International conference on HYDROLOGY AND WATERSHED MANAGEMENT with a focal theme on Improving Water Productivity in the Agriculture, February, 2010.
4. Proceedings of (ICRAMAV-2012) International conference on recent advances in



- design, development and operation of micro air vehicle, 10-12, December, 2012.
5. Online Book on Impact of Artificial Recharge of Roof Top Rain Water on ground water.
 6. Online Book on Resistivity well logging to delineate lithology in hard rock.
 7. Online Book on Semi Distributed Conceptual Rainfall-Runoff model
 8. Proceedings of Proceedings of Two day National conference on Water, Environment and Society organized by CWR, JNTUH on June 30th – July 1st 2014 Published by BS Publications
 9. Proceedings of 2nd Two day National conference on Water, Environment and Society organized by CWR,IST,JNTUH on 30th – 31st July 2015 Published by BS Publications

Dr. B. Venkateswara Rao

1. Venkateswara Rao, B. (Ed. In-Chief), Ram Mohan Reddy, K., Sarala, C. and Raju, K., 2002. Edited two volumes of the proceedings of the International Conference on “Hydrology and Watershed Management” held during December 2002 at JNT University and published by BS Publications, Hyderabad, 1487 p.
2. Venkateswara Rao, B., 2004. “Neeru Pranaadharam – Vrudha Cheyakandi” was written in Telugu for the purpose of farmers and general public as a popular science booklet, published by Centre for Water Resources, JNT University Hyderabad, 16 p.
3. Venkateswara Rao, B. (Ed. In-Chief), Jagmohan Das, G., Sarala, C. and Giridhar, M.V.S.S., 2006. Edited two volumes of the proceedings of the Second International Conference on “Hydrology and Watershed Management” held during December, 2006 at JNT University and published by BS Publications, Hyderabad, 1586 p.
4. Venkateswara Rao, B. 2009. “Technical Report on Indira Meghamadhanamu (Cloud seeding) Programme-2008”, submitted to Rain shadow area development department Govt. of A.P. 225 p.
5. Sarala, C., (Ed. In-Chief), Venkateswara Rao, B., Giridhar, M.V.S.S., Varalakshmi, V., 2010. Edited two volumes of the proceedings of the Third International Conference on “Hydrology and Watershed Management” held during Feb., 2010 at JNT University and published by BS Publications, Hyderabad, 1453 p.
6. Venkateswara Rao, B., 2010. Technical Report on Indira Meghamadhanamu (Cloud seeding) Programme-2009, submitted to Rain shadow area development department Govt. of A.P., 330 p.
7. Venkateswara Rao, B. and Varalakshmi, V., 2012 “Hydrodynamics of an Urban river – Case Study of Musi river, Hyderabad, India” In: “Natural Resources: Technology, Economics and Policy”, Ed. by U. Ashwathanarayana and published by CRC Press/ Balkema – Taylor & Francis Group, pp. 177-197.
8. Varalakshmi, V. and Venkateswara Rao, B., 2013. “Study on Impacts of Rainfall Variability and Urbanisation on Cropping Area” In: “Geospatial Technologies for Natural Resources Management” Ed S.K. Soam et al., New India Publishing



Agency, New Delhi, pp-131-148.

9. Ramamohan, Reddy. (Ed. In-Chief), Venkateswara Rao, B., Sarala, C., 2014. Edited two volumes of the proceedings of the 4th International Conference on “Hydrology and Watershed Management” held at JNT University and published by Allied Publishers, Hyderabad, 1265p.

Dr. C. Sarala

1. Edited two volumes of the proceedings of the International Conference on “Hydrology and Watershed Management” with a focal theme on water quality and conservation for sustainable development held during December, 2002 at JNT University and published by BS Publications, Hyderabad.
2. Edited two volumes of the proceedings of the Second International Conference on “Hydrology and Watershed Management” With a focal theme on “Improving water productivity in the Agriculture” held during December, 2006 at JNT University and published by BS Publications, Hyderabad.
3. Edited two volumes of the proceedings of the Third International Conference on “Hydrology and Watershed Management” With a focal theme on “Climate Change – Water, Food and Environmental Security” held during February, 2010 at JNT University and published by BS Publications, Hyderabad.

* Books with ISBN with details of publishers

1. Proceedings of 2nd International conference on HYDROLOGY AND WATERSHED MANAGEMENT with a focal theme on Improving Water Productivity in the Agriculture, December 2006. *Authors: B. Venkateswra Rao, G. Jagmohan Das, C. Sarala and M.V.S.S. Giridhar* ISBN: 81-7800-138-1(Two volumes)
2. Proceedings of WMEC’07 National Conference on Watershed Management and Impact of Environmental Changes on Water Resources, February, 2007.
Authors: G. K. Viswanadh and M.V.S.S. Giridhar ISBN: 81-7800-143-8
3. Proceedings of 3rd International conference on HYDROLOGY AND WATERSHED MANAGEMENT with a focal theme on Improving Water Productivity in the Agriculture, February, 2010.
Authors: C. Sarala B. Venkateswra Rao, M.V.S.S. Giridhar and V.Varalakshmi ISBN: 978-81-7800-224-8(Two volumes)
4. Proceedings of (ICRAMAV-2012) International conference on recent advances in design, development and operation of micro air vehicle, 10-12, December, 2012, *Authors: G. K. Viswanadh and M.V.S.S. Giridhar,* ISBN: 978-81-7800-281-1.
5. Online Book on Impact of Artificial Recharge of Roof Top Rain Water on ground water, ISBN: 978-3-659-43328-3, Lambard Publications **Authors: M.V.S.S. Giridhar and K.Naresh**
6. Online Book on Resistivity well logging to delineate lithology in hard rock,



ISBN: 978-3-659-45633-6, Lambard Publications Authors: M.V.S.S. Giridhar and V. Narasaiah

7. Online Book on Semi Distributed Conceptual Rainfall-Runoff model **Authors: M.V.S.S. Giridhar**, Lambard Publications
8. Proceedings of Proceedings of Two day National conference on Water, Environment and Society organized by CWR, JNTUH on June 30th – July 1st 2014 Published by BS Publications **Authors: M.V.S.S. Giridhar**, *ISBN: 978-93-83635-13-9*
9. Proceedings of 2nd Two day National conference on Water, Environment and Society organized by CWR,IST,JNTUH on 30th – 31st July 2015 Published by BS Publications **Authors: M.V.S.S. Giridhar**, *ISBN: 978-93-83635-87-0*

* Number listed in International Database (For e.g. Web of Science, Scopus,

Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : Nil

- * Citation Index – range / average : Nil
- * SNIP : Nil
- * SJR : Nil
- * Impact Factor – range / average : Nil
- * h-index : Nil

23. Details of patents and income generated

1. Proceedings of 2nd International conference on HYDROLOGY AND WATERSHED MANAGEMENT with a focal theme on Improving Water Productivity in the Agriculture, December 2006. *Authors: B. Venkateswra Rao, G. Jagmohan Das, C. Sarala and M.V.S.S. Giridhar ISBN: 81-7800-138-1(Two volumes)*
2. Proceedings of WMEC'07 National Conference on Watershed Management and Impact of Environmental Changes on Water Resources, February, 2007.
3. Authors: G. K. Viswanadh and M.V.S.S. Giridhar ISBN: 81-7800-143-8
4. Proceedings of 3rd International conference on HYDROLOGY AND WATERSHED MANAGEMENT with a focal theme on Improving Water Productivity in the Agriculture, February, 2010.
5. Authors: C. Sarala B. Venkateswra Rao, M.V.S.S. Giridhar and V. Varalakshmi ISBN: 978-81-7800-224-8(Two volumes)
6. Proceedings of (ICRAMAV-2012) International conference on recent advances in design, development and operation of micro air vehicle, 10-12, December, 2012,



Authors: G. K. Viswanadh and M.V.S.S. Giridhar, ISBN: 978-81-7800-281-1.

7. Online Book on Impact of Artificial Recharge of Roof Top Rain Water on ground water, ISBN: 978-3-659-43328-3, Lambard Publications Authors: M.V.S.S. Giridhar and K.Naresh
 8. Online Book on Resistivity well logging to delineate lithology in hard rock, ISBN: 978-3-659-45633-6, Lambard Publications Authors: M.V.S.S. Giridhar and V. Narasaiah
 9. Online Book on Semi Distributed Conceptual Rainfall-Runoff model Authors: M.V.S.S. Giridhar, Lambard Publications
 10. Proceedings of Proceedings of Two day National conference on Water, Environment and Society organized by CWR, JNTUH on June 30th – July 1st 2014 Published by BS Publications Authors: M.V.S.S. Giridhar, ISBN: 978-93-83635-13-9
 11. Proceedings of 2nd Two day National conference on Water, Environment and Society organized by CWR,IST,JNTUH on 30th – 31st July 2015 Published by BS Publications Authors: M.V.S.S. Giridhar, ISBN: 978-93-83635-87-0
24. Areas of consultancy and income generated

Dr. B. Venkateswara Rao

1. Hydrology of Kajipally Cheruvu Sponsored by APPCB through Centre for Environment, IST, JNTU in the year 1998.
2. Hydrology of Gandigudem Lake Sponsored by APPCB through Centre for Environment, IST, JNTU in the year 1999.
3. EIA of Surface and Groundwater Quality on Downstream side of MUSI River Sponsored by Patancheru Effluent Treatment Plant in the year 2000.
4. Ground Water Exploration for individual farmers in Shamshabad in Rangareddy District, A.P in the year 2001.
5. Estimation of Hydraulic conductivity in Lime Stone mine near Damacherla, Nalagonda District, A.P. in the year 2002
6. Identification of Ground water flow direction at Jiaguda, Hyderabad in the year 2003.
7. Geophysical investigations for studying suitability of site for health resorts, GVK estates Gandipet, Hyderabad in the year 2004.
8. Seismic investigations for studying suitability of site for desalination plant at Ennore, Chennai for IVRCL Infrastructures and Projects Limited in the year 2005.
9. Seismic investigations for basement studies to construct the second phase of NTPC thermal power plant at Parawada, Visakhapatnam in the year 2007.
10. Hydrologic design of storm generating at TCS campus, Hyderabad. The work given by Eddifice Architects Pvt. Ltd. Mumbai in the year 2008.
11. Identification of well points using Resistivity Imaging near police academy, Hyderabad, the work given by Jain Constructions Pvt.Ltd 2009.



12. Identification of well points using Resistivity Imaging in Nizamabad District, for farmers 2010.
 13. Ground Water Investigations at Thummalapalli Uranium Mining site 2011.
 14. Identification of Water well points using Resistivity Imaging in the field of Himabindu, Nizamabad District.
 15. Identification of Recharge Structures at Thummalapalli Uranium Mining site 2012.
 16. Identification of Water well points using Resistivity Imaging in the formers land near ballari 2013.
 17. Identification of Water well points using Resistivity Imaging in the BHEL Township, 2013.
 18. Identification of Water well points using Resistivity Imaging in the Shilparamam campus, Hitech City, Hyderabad. 2014.
25. Faculty selected nationally / internationally to visit other laboratories / institutions industries in India and abroad
- Dr. B. Venkateswara Rao - for presenting Research papers in International Conferences
- Switzerland in 1990.
 - Sweden in 1995, 1999, 2006 and 2010.
 - Italy in 2004 and 2015.
 - Mexico in 2007.
 - Oslo in 2008.
 - Singapore in 2009.
 - Egypt in 2013.
 - USA in 2014.

Visiting Professor

Department of Earth and Environmental Sciences, Rutgers State University, New Jersey, USA, 2007, and 2014.

26. Faculty serving in
- a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Dr. B. Venkateswara Rao

- Member Assessment Committee for Scientist Promotions at NGRI and CRIDA.
- Expert Member for Evaluation of DST projects.
- Expert Member for Evaluation of CSIR projects.
- Governing Body Member of several engineering colleges in A.P.
- Member Expert panel to review R&D projects of Indian National Committee on Ground Water under Ministry of Water Resources Govt. of India.
- Member board of Research committee of EPTRI.
- Member, State Level Technical Committee of APSDMS.



- Member, State Level Technical Committee for Evaluation of Reports of CGWB.
- Executive committee Member, Association of Hydrologists India.

Dr. K. Ramamohana Reddy

- Member, Board of Studies, Civil Engineering, Jawaharlal Nehru Technological University Ananthapur.
- Chief Editor of International Journal of Science and Technology, New Delhi.
- Principal Investigator of two Research Projects, AICTE, New Delhi.
- Expert panel member of Technical Board.
- Resource person for M.Tech(Integrated Water Resources Management) Program for Capacity Building in South Asian Region, TERI University, New Delhi.
- Panel Member of draft Committee on “Innovations and Best Practices in Autonomous Colleges” formulated by “National University Educational Planning and Administration (NUEPA)” New Delhi.

Membership in Professional Bodies

- Life Member of Indian Society for Technical Education.
- Member of Institution of Engineering (India).
- Member of Indian Association of Hydrologists.

Dr. M. V. S. S. Giridhar

Membership of Professional Societies

1. Life member of International Association of Hydrologic Society No: 7864
2. Life member of Institution of Engineers (India) No: M127113-4
3. Life member of Indian Society of Remote Sensing No: L 2592
4. Life member of Indian Water Resource Society No: LM 2002-5175
5. Life member of Journal of Hydrology No: 76
6. Life member of Indian Society of Technical Education No: LM 43779
7. Life member of JNTU forum for Science & Society Receipt No 232
8. Life member of Journal of Current Sciences No: 90/2007.
9. Life member of Association of Hydrologists of India. AHI-LM-341-634
10. Life member of Indian society for hydraulics No. LM-750
11. Member, BOS, Agricultural Engineering, JNT University Hyderabad.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).



Trainings Programs Attended

Dr. M.V.S.S. Giridhar

1. A refresher course on **“WATER MANAGEMENT”** conducted by the J.N.T. University, Hyderabad and sponsored by U.G.C. during 02-02-2004 to 22-02-2004
2. Training on **“ERDAS IMAGE PROFESSIONAL, VECTOR & VIRTUAL GIS”** organized by ERDAS India Private Limited during 22 to 26 March 2005.
3. A refresher course on **“REMOTE SENSING, GIS AND GPS”** conducted by the J.N.T. University, Hyderabad and sponsored by U.G.C. during 16-05-2005 to 4-6-2005
4. A training program on **“INSTRUCTIONAL DESIGN AND DELIVERY”** conducted by National Institute of Technical Teachers Training & Research (NITTTR), Chennai, from 15th to 20th July 2005 at CMR College of Engineering and Technology, Hyderabad.
5. A training program on **“ARC GIS 9.1”** conducted by NIIT TCL, Hyderabad from 13th to 14th July 2005.
6. Pre conference tutorials on **“GIS, GPS & Hyper spectral remote sensing”** Organized by R & D Cell, JNTU, Hyderabad during 2th-4th June, 2006.
7. Training Programme on **“Orientation Course”** conducted by the J.N.T. University, Hyderabad and sponsored by U.G.C., in the month of 2nd May to 2nd June 2007.
8. Faculty Development Course on **“Introduction to GIS and its Applications”** conducted by National Remote Sensing Agency, Department of Space, Government of India, from October 1, 2007 to October 26, 2007.
9. A refresher course on **“WATER MANAGEMENT”** conducted by the J.N.T. University, Hyderabad and sponsored by U.G.C.
10. Training on **“ERDAS IMAGE PROFESSIONAL, VECTOR & VIRTUAL GIS”** organized by ERDAS India Private Limited during 22 to 26 March 2005.
11. A refresher course on **“REMOTE SENSING, GIS AND GPS”** conducted by the J.N.T. University, Hyderabad and sponsored by U.G.C.
12. A training program on **“INSTRUCTIONAL DESIGN AND DELIVERY”** conducted by National Institute of Technical Teachers Training & Research (NITTTR), Chennai, from 15th to 20th July 2005 at CMR College of Engineering and Technology, Hyderabad.
13. A training program on **“ARC GIS 9.1”** conducted by NIIT TCL, Hyderabad from 13th to 14th July 2005.
14. Pre-conference tutorials on **“GIS, GPS & Hyper Spectral Remote Sensing”** Organized by R & D Cell, JNTU, Hyderabad during 2th-4th June, 2006.
15. Training Programme on **“11th Orientation Course”** conducted by the J.N.T. University, Hyderabad and sponsored by U.G.C., in the month of 7th May to 2nd June 2007.



16. Training programme on “Introduction to GIS and its applications” organized by the National Remote Sensing Agency (NRSA), Hyderabad, India from 1st October 2007 to 26th October 2007.
17. Professional development programme on “Latest trends in environmental impact assessment (EIA) – Process & Procedures as per MoEF Guidelines” during 10th -12th September 2007, at Engineering Staff College of India, Hyderabad.
18. International Workshop on Weather Modification Technologies (Cloud Seeding) (IWWMT) organized during 18-20 January 2007, at ASC-Auditorium Kukatpally, Hyderabad.
19. Two day workshop on “Solar Pumps in Rural Water Supply” organized during 10 -11 July 2014, at Engineering Staff college of India, Autonomous Organs of the Institute of Engineers, Hyderabad.
20. Two day workshop on “Flood Assessment, Monitoring and Management using SAR data” on 17-18 November 2014, at NASA – ISRO Synthetic Aperture Radar (NISAR), organized by SAC, Ahmadabad.
21. Two day Workshop on “Hydrological Modelling with SWAT and Ground Water Modelling with Modflow” on 26-27 December, 2014 at Department of Civil Engineering, IIT, Hyderabad.
22. A training program on “Managerial Effectiveness Enhancement Programme (MEEP)” organized by Department of Science and Technology, Institute of Management Training and Research (IMTR), GOA, from 19-23 January, 2015.
23. Two day workshop on “Stepping into Advanced Flow Reactors” on 25-26 February, 2015 was organized by Centre for Chemical Sciences and Technology (CCST), Institute of Science and Technology (IST), Jawaharlal Nehru Technological University, Kukatpally, Hyderabad
24. International Conference on Hydrology and Watershed Management, with a focal theme on water quality and conservation for sustainable development Centre for Water Resources, JNT University Hyderabad December 16-18, 2002
25. Workshop on “Water Resources Management Education Training and Employment opportunities in the State of Andhra Pradesh in Centre for Water Resources, JNTU on 9th November, 2004.
26. Second International Conference on Hydrology and Watershed Management, Centre for Water Resources, JNTU, Hyderabad. December 5-8 2006
27. One-day workshop on “Coping with Water Scarcity” organized on the occasion of World Water Day in Centre for Water Resources, JNTU on 22, March 2007.
28. One-day workshop on Isotope Tracer Techniques for Water Resources Development and Management in Centre for Water Resources, JNTU on 12th February, 2008.
29. Third International Conference on Hydrology and Watershed Management, Centre for Water Resources, JNTU, Hyderabad. February 3-6 2010.
28. Student projects

a percentage of students who have done in-house projects including



inter-departmental projects : --

- b percentage of students doing projects in collaboration with other universities
industry / institute : --

1. Dr. B. Venkateswara Rao

List of Ph.Ds. Completed

S. No	Name	Title of the Thesis	Year of Registration	Year of Completion
1	M. V. Padmanabhan	Evaluation of role of In – Situ Soil and Water Conservation Practices through Epic Simulation Model	1997	2003
2	C. R. Thyagaraju	Interactive Influence of tillage time, method and rainfall on soil moisture Retention with Relevant Expert System	1997	2005
3	A. T. Jaya Seelan	Development of Real time Drought Management Strategies Through Remote Sensing at District Level	1992	2005
4	N. Srinivasa Rao	Hydrogeochemical Investigations and Solute Transport Modeling of a Polluted Coastal Aquifer Near Nellore India	2002	2009
5	C. Sarala	Studies on Changes in Rainfall Runoff Relationship due to changes in land use – A regional case study on Krishna Basin	2002	2009
6	V. Varalakshmi	Catchment Hydrology and Ground water modeling of the Osmansagar and Himayatsagar Reservoirs.	2006	2010

List of M. Tech Theses Guided

S. No	Name	Title of the Thesis	Year of Registration	Year of Completion
1	R. Venkatapathi Raju	Comparative Studies of Seepage Losses in Nagarjunasagar Left Canal	1990	1992
2	Y. Yadaiah	Assessment of Ground Water Contamination Levels and Prognostics of Pollutant Dispersion by Finite Element Method in Saroornagar Micro Basin.	-do -	1992
3	N. Suresh	Correlation of Hydrogeological and Geoelectrical Characteristics of an	-do -	1992



		Hard Rock Aquifer		
4	Ch. Chandra Mohan	Delineation of Ground Water Potential Zones in Various Geomorphic Units of Khandivalasa River Sub-Basin through Remote Sensing Techniques	1991	1993
5	A. Subba Rao	Exploration of Ground Water by using Electromagnetic (Very Low Frequency) Techniques	-do -	1993
6	A. Srinivasa Rao	Aquifer Modeling Based on Finite Difference Method- Kanchanpally Watershed (A.P.)	1992	1995
7	B. Sudhakara Babu	Hydrogeochemical and Geoelectrical Investigations for Ground Water Pollution Studies.	-do -	1995
8	Asra Asmeen	Assessment of Groundwater Quality in some Industrial belts around Hyderabad.	-do -	1995
9	L. Prabhakara Reddy	Morphometric Analysis of Representative Hard Rock Regions of Peninsular India.	1993	1995
10	D. Ramesh	Ground Water Investigations by using Very Low Frequency Electromagnetic Method	-do -	1995
11	C. Rajesh Babu	Identification of Soil Conservation sites in Sidda River Micro Watershed through Remote Sensing and Conventional Techniques	1994	1996
12	Ameera Zaben	Application of Remote Sensing and Conventional Techniques for the Evaluation of sediment yield and Treatment programme of Sudda Vagu Watershed.	-do -	1996
13	N. Srinivasa Rao	Analysis of Rainfall and Inflows in the Catchment Areas of Osmandsagar and Himayatsagar Reservoirs	1993	1997
14	Y. Sashi Kumar	Soil Conservation Measures in Parts of Sriramsagar Catchment area Through Remote Sensing & Conventional techniques	1994	1997
15	M. Ratna Kumar	Examination of Drinking Water consumed by the Public in the Twin Cities of Hyderabad and Secunderabad	1995	1997
16	Sara Naaz	Application of Geographic	-do -	1997



		Information System for the identification of soil conservation sites in the Suddavagu Watershed		
17	P. Kareem Khan	Development of Software Package for Evaluation of Ground Water Potential in Hard Rock Areas.	-do -	1998
18	T.A. Prasad	A Methodology for Identification of Ground Water Potential Zones In a Typical Basaltic Terrain	-do -	1998
19	P. Parvathi	Hydrogeophysical and Hydrogeochemical Investigations in Mallavaram Basin.	1996	1998
20	K. Radhika	Ground Water Flow Model of Mallavaram Basin, East Godavari Dist. A.P. using Finite Difference Method.	-do -	1998
21	K. Venkateswarlu (Part time)	Water Hammer Analysis for design of pumping Main in the rural water supply scheme	-do -	1998
22	K. Ravi Sekhar	Evaluation of Sediment Yield by using Remote sensing & GIS – A case Study of Phulangvaga Watershed	-do -	1999
23	Ch. Jyothi Ram Prasad	Identification of Soil Conservation Sites in Sidda River Macro Watershed using Geographic Information System	-do -	1999
24	S. Ashok Kumar	Delineation of Low Fluoride Zones in the parts of Nalgonda District Using Geographic Information System	1998	2000
25	B. Narasimhulu	Study on the effect of cover measures for Soil and Water Conservation using Hydraulic Tilting Flume	1998	2000
26	R. Bhavani	Groundwater Variability in Ananthapur District (A.P)	1999	2001
27	Ch. Prem Chand	Hydrogeophysical Investigations in Parts of Musi Catchment to Define Groundwater Pollution Potential	-do -	2001
28	K. Srinivasa Reddy	Geoelectrical Investigations for Groundwater Potential zones in Ramoji Film City	1998	2001
29	Ch. Venkateswara	Groundwater Flow Model of Maheshwaram Watershed, R.R.	1999	2001



	Rao	District, Andhra Pradesh		
30	Barkat Ali Khan	Groundwater Flow Modeling of Vattigudipadu Watershed, Krishna District, Andhra Pradesh	1998	2001
31	G. Raj Kumar	Analysis of Rainfall and Estimation of Runoff Using SCS-CN Method and GIS Techniques in the Shashlervagu Watershed, Nalgonda Dist.	1999	2001
32	Md. Anwar	Evaluation of Groundwater Pollution Potential of Musi River Basin using DRASTIC Index Model	-do -	2002
33	B.Venkateswarlu (Part time)	Rainfall Runoff relation of Maneru basin	-do -	2003
34	Ravi Kumar	Preparation of Action Plan for Land and Water Resources of Shamshabad Watershed Using Remote Sensing and GIS	1997	2003
35	B. P. Venkateswarlu	Preparation of Action Plan for Land and Water Resources of Watershed Using Remote Sensing and GIS	2000	2003
36	Qumer Sultana	Development of Stochastic Model for the forecasting of Reservoir inflows and integrated optimal reservoir operation	2001	2003
37	PVRS Surendra (Part time)	Conservation and Restoration of the lake Meralam Tank, Hyderabad	1999	2003
38	S. Vijaya Kumar	Development of GIUH and Estimation of Runoff for Halia Basin using GIS	2001	2004
39	S. Kavitha	Hydrogeochemical Studies of Shamshabad Watershed for Irrigation Water Quality Assessment	2002	2004
40	B. Uma Shankar	Evaluation of Groundwater Potential Zones in Hard Rock Areas Using Surface Electrical Methods – A Case Study	2002	2005
41	K.V.N. Rajani	Remote Sensing and GIS Based Study For Sustainable Management of Kurmapalli Watershed, Nalgonda District, A.P.	2003	2005
42	G. Naga	Hydrogeochemical Investigations of	-do -	2005



	Praveena	Musi River Basin		
43	D. Praveena	Variation of Hydrometeorological Parameters In and Around Krishna Basin in Andhra Pradesh	-do -	2005
44	T. Vijaya Sarada	Analysis of Groundwater Levels in the Upper Musi Catchment	-do -	2005
45	K. Veena	Impact assessment of check dams on ground water level and ground water quality in Namakkal District, Tamilnadu	2006	2009
46	K. Praneeth	Development of hollow fibre membranes for treatment of surface water	2007	2009
47.	Ch. Kavitha	“Investigation of Heavy Metal Contamination and Assessment of Ground Water Quality in Nacharam Industrial Area, Hyderabad, India”	2007	2009
48.	Y. Siva Prasad	Resistivity 2D Imaging in Granites and Basalts of Andhra Pradesh	2007	2010
49.	Nagabhushanam	Comparison of Moisture measurements between alluvial and alfisols	2007	2010
50	M.Tejaswi	Steady state ground water flow modeling for the catchments of Osmansagar and Himayatsagar Reservoirs.	2008	2010
51	M. Chamundeswari	Rainfall-runoff relationships for the area between Nagargunasagar and Srisailam dams of lower Krishna basin		2011
52	P. Pushpalatha	Evaluation of Aquifer Geometry and Ground Water Quality Analysis of Dharmasagar Sub-basin, Warangal District, Andhra Pradesh, India	2009	2011
53	Ch. Padmalatha	Assessment of drinking water quality supplied by rural water supply (RWS) department in the polluted areas of Patancheru.	2010	2011
54	A.Mallesham	Effluent treatment in Multiple effect evaporator system in smilax laboratories Jeedimetla, Hyderabad, India	2009	2013
55	B.N. Satish Babu	Design of Sewage treatment plant of 20 mld for Hindupur Municipal Corporation.	2010	2013



56	Y. Naveen Kumar	Remote sensing and GIS based approach for the study of environmental parameters affecting ocean productivity – a case study of Maharashtra.	2010	2013
57	D.Bhavya Kavitha	Evaluation study of Global Soil Moisture Products Derived from Space Borne Microwave Radiometer	2011	2014
58	A. Adilakshmi	Assessment of Groundwater Quality in Deshmukhi Village, Nalgonda District, Telangana	2012	2015
59.	S. Sagar	Resistivity 2D Imaging in a Typical Khondalitic Terrain of Vizayanagaram District, Andhra Pradesh.	2012	2015
60.	K. Chiranjeevi	Groundwater Quality Studies in the Khondalitic Terrain, Vizayanagaram District, Andhra Pradesh.	2012	2015

List of M. Sc Theses Guided

S. No	<i>Name</i>	Title of the Thesis	Year of Registration	Year of Completion
01	D. Sowmya	“Purification of water used for injections in Pharmaceutical operations. A case study of Biological E. Ltd located at Shameerpet, Rangareddy District. A.P.”	2011	2011
02	Ch. Tejswi	“Assessment of working status of common effluent treatment plant, Patancheru”.	2011	2011
03	L. Harikrishna	“Estimation of Runoff at Rallapadu and Mopadu catchment Areas using Soil Conservation service curve number method in Prakasham and Nellore districts, Andhra Pradesh”.	2011	2011
04	B. Sujeevan Reddy	“Studies on performance evaluation of sedimentation tanks of HMWS & SB at Asif Nagar Water Treatment Plant”.	2011	2011
05	P. Sowmya	“Sewage Treatment Process at Buddha Poornima Project and Sample Analysis”.	2011	2011



06	R. Vanaja	“Remote sensing and GIS based Morphometric Analysis of Watersheds in upland area of west Godavari district, Andhra Pradesh, India.	2011	2011
07	Bindhu	“Remote sensing based in the Soil conservation studies - - watershed in Karnataka”.	2011	2011
08	S. Abdul Imran Khan	Aerobic degradation of Pharmaceutical waste water by using activated sludge process.	2013	2013
09	S. Sailaja	Integrated Action plan development for sustainable land and water resource management in dommaleru watershed using Remote Sensing and GIS	2013	2013
11	K.V.R.N. Sri Divya	Use of Low Quality Water for Irrigation Treatments and Quality	2013	2013
10	M. Neelima	Rainfall variation in Yerrakalava River basin of west Godavari District, Andhra Pradesh.	2013	2014
12	Sd. Shoyab Ahmed	Rainfall and Inflow Analysis of Yerrakalava Reservoir Catchment, West Godavari, Andhra Pradesh, India	2013	2014
13	Bindu	Assessment of Drinking Water Quality of Osman Sagar	2013	2014
14	A. Satish	Soil Resource Inventory of Bio Diversity Park at Rajendranagar, Hyderabad	2013	2015

S. No	Course	Roll number	Student name	Title of the dissertation	Supervisor
1	M.Tech (WET)	12031D5910	Padmaja Gollapudi	Physic-chemical Analysis of drinking Ground water (Part of Nuzividu region) in Krishna District	Dr. K. Rammohan Reddy
2	M.Tech (WET)	12031D5912	Rahul Waghmare	Solid waste management using geospatial technologies & MIS- A case study of hyd city Assessment of ground	Dr. K. Rammohan Reddy



				water Quality in the rural Areas of bellampally mandal. Adilabad District.	
3	M.Tech (WET)	11031D5904	Kanaka prasadGolagani	Optimization of Hazardous waste Utilization in cement industry through co-processing.	Dr. K. Rammohan Reddy
4	M.Tech (WET)	10032D5930	Sundrarajan Suresh	Evaluation of Pharmaceutical grade waste System – A case study of Dr. Reddy's laboratories limited, Hyderabad	Dr. K. Rammohan Reddy
5	M.Tech (WET)	09032D5924	Shyamala Purushotham	Flood Routing by Muskingum method for perur-koida reach and koida- polaveram reach of Godavari Basin	Dr. C. Sarala
6	M.Tech (WET)	10031D5925	Khajaraissuddin	EIA Study for the proposed ramagundam OC-III (extension) project , Ramagundam Karimnagar District, AP.	Dr. K. Rammohan Reddy
7	M.Tech (WET)	10031G2401	S. Abdul Imran Khan	Aerobic Degradation of pharmaceutical waste water by using Activated sludge process.	Dr. K. Rammohan Reddy
8	M.Tech (WET)	12031D5906	K. Chiranjeevi	Ground water Quality studies in the khondalitic terrain, Vizianagaram District, AP	Dr. B. Venkateswara Rao
9	M.Tech (WET)	12031D5917	S. Sagar Kumar	Restivity 2D imaging in a typical khondalla terrain of Vizayanagaram District AP.	Dr. B. Venkateswara Rao
10	M.Tech (WET)	M.Sc(WES)	A. Satish	Soil Resources inventory of biodiversity Park at Rajendranagar, Hyderabad	Dr. B. Venkateswara Rao
11	M.Tech (WET)	10032D5911	Varsha Jagtap	Planning and Design of water supply sewerage & sanitation systems for Chenchu colony Village, Parigi Mandal, RR Dist, Telangana state.	Dr. K. Rammohan Reddy
12	M.Tech (WET)	10032D5907	V. L. Praveen	Non-revenue water (NRW) Mgt strategy, A	Dr. K. Rammohan



			Kumar	case study for Hyderabad supply sewerage board, Hyderabad Telangana state.	Reddy
13	M.Tech (WET)	12031 D 5914	Shaik. Haseena	Assessment of Ground Water and surface Water resources in the Godavari River Basin.	Dr. M. V. S. S. Giridhar
14	M.Tech (WET)	13031D590 6	K. Divya Chowdary	Performance Analysis of rain Water Harvesting Scheme in JNTU Hyderabad	Dr. M. V. S. S. Giridhar



29. Awards / recognitions received at the national and international level by

* **Faculty**

Dr. B. Venkateswara Rao

1. National Geoscience Award – 2011 in the field of Groundwater Exploration by Government of India.
2. Andhra Pradesh Scientist Award 2006 in the field of New and Emerging Sciences by Government of Andhra Pradesh.
3. Honorary Research Fellow during 2005 by Birmingham University (UK)
4. Elected as a Fellow of Andhra Pradesh Akademi of Sciences (APAS) in 2014.
5. Elected as a Fellow of Indian Geophysical Union (IGU) in 2013
6. Best Teacher Award-2015 by Govt. of Telangana.

* **Doctoral / post doctoral fellows : --**

* **Students** : --

30. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any.

Details of Seminars, Conferences, Workshops, Training Programs and Symposia Organized

Dr. M.V.S.S. Giridhar

- Organized a two day National workshop on Watershed Management and Environmental Changes (WMEC-2006) during 20th-21st September, 2006 as **Coordinator**.
- Acted as a **member of organizing committee** for 2nd International conference on HYDROLOGY AND WATERSHED MANAGEMENT with a focal theme on Improving Water Productivity in the Agriculture, December 2007.
- Organized a two day National conference on Watershed Management and Impact of Environmental Changes on Water Resources (WMEC-2007), during 22nd – 23rd Feb 2007 as **Coordinator**.
- Associated in “**World Water Day**” celebrations organized by centre for water resources, IST, JNTU, Hyderabad, on 22nd March 2007.
- Organized A 3-Day Awareness cum Training Programme on “**Rainwater Harvesting and Water Conservation Methodologies**” held during 29th -31st March 2007 at Centre for Water Resources, IST, JNTU, Hyderabad as coordinator.
- Organized a three day International conference on Recent Advances in Design, Development and Operation of Micro Air Vehicles (ICRAMAV 2012) during 10-12 December, 2012 as **Coordinator**.



- Organized a 2nd Two day National conference on Water, Environment and Society (NCWES-2015) during 30th – 31st July 2015 as **Convener**.
- Organized National level 3-day skill development programme on Soil & Water Assessment Tool (SWAT) modeling held during 06th – 08th July, 2015 at Centre for Water Resources, IST, JNTU, Hyderabad as **coordinator**.

Dr. B. Venkateswara Rao

- A National workshop on “well Failures” Causes and Strategies for Effective Countering” was conducted during 6th to 7th December, 1990
- Seminar on “Water and Environment” was conducted to celebrate the Water Resources Day of 1992
- Expert lectures on “Alamatti Dam & Environmental Implications” arranged at JNT University on 1st October, 1996.
- One day Seminar on “Geophysical Electrical Resistivity Imaging for use in Ground Water, Geotechnical and Environmental Implications” is conducted on 21st November, 1996. The Seminar is presented by the Mas Lagmanson, Advanced Geo Sciences INC, Austin, U.S.A. Sponsored by Electrotek international, Inc, Madras, India.
- National Conference on “Engineering Trends in the Development of Sustainable Ground Water Sources” during 27th to 28th August, 1997.
- Workshop on “Watershed Management – Problems and Prospects” in 1998 during 31st August, 1998.
- A panel discussion on strategy paper prepared by Government of Andhra Pradesh on “Strategy Paper on Irrigation Development ” during 18th May, 2001.
- An International Conference on “Hydrology and Watershed Management” with a focal theme on Water Quality and Conservation for Sustainable Development was conducted during 18th to 20th December, 2002.
- Workshop on “Water Resources Management, Education, Training and Employment Opportunities in the State of A.P” on 9th November, 2004.
- International workshop on “weather modification and cloud seeding technologies for rain water enhancement-2005” on 27th to 28th January, 2005.
- 2nd International Conference on “Hydrology and Watershed Management” with a focal theme on “Water Productivity in the Agriculture” was conducted during 5th to 8th December 2006.



- One-day workshop on “Coping With Water Scarcity” on the occasion of World Water Day on 22nd March, 2007.
- Three day workshop on “Rainwater Harvesting and Recharge Methodologies” was conducted during 29th to 31st March, 2007.
- Workshop on “Isotope Tracer Techniques for Water Resources Development and Management” was conducted on 12th February, 2008.
- International workshop and Brainstorming session on cloud seeding operations in A.P. was conducted during 15th -17th December, 2008
- One day workshop on “Water and Environment” was conducted on 20th March, 2009.
- All party Rythu Sangham seminar on “Indira Meghamadhanamu” on 17th June. 2009
- 3rd International Conference on “Hydrology and Watershed Management” with a focal theme on “Climate Change-Water Food and Environmental Security” was conducted during 3 – 5th Feb., 2010.
- Organised a Technical Session on Cloud Aerosol Interaction and Weather Modification Experiments in Asia and Oceania during 5th – 9th July 2010 in the VII Annual Meeting of AOGS held at Hyderabad.
- Acted as a Sectional Secretary on “Earth, Ocean and Atmospheric Sciences” in the A.P Science Congress and Annual Convention of Andhra Pradesh Akademi of Sciences during 18 – 20th November 2010.
- Organised One Day Work Shop on “Open Source Satellite Data and Analysis of Ocean and Atmosphere” on 7th April 2011
- Conducted “Earth Day Celebrations – 2011” on 23rd April 2011 at CEA&WMT, IST, JNTUH
- Organised an Expert Lecture on “A Nutrients Time Bomb in the Bay of Bengal” by Ghosh Babba off environment Canada on 13th March, 2013.
- Organised 4th International Conference on “Hydrology and Watershed Management” with a focal theme on Ecosystem Resilience – Rural and Urban Water Requirements during 29th October – 1st November, 2014

Short – term Courses and Training Programmes Organized

- Short-term course on “Geostatistics and Stochastic Approaches” in hydrogeology was conducted during 10th to 15th July, 1992.



- A Refresher Course on ‘Water Management’ was conducted to the faculty of various Engineering colleges during 11th to 30th March, 2002.
- A Refresher course on “Natural Resources Management, Environmental & Employment” was conducted to Earth science teachers during 3rd to 15th November 2003.
- A Refresher course on “Water Management” was conducted during 2nd to 22nd February, 2004.
- An in house faculty training programme on “Ground Water Modelling” was conducted during 2nd to 9th January, 2006
- A Farmers training programme on “Water and Soil Conservation Technologies for Improving Agricultural Productivity” conducted during 27th to 29th March, 2006.
- A farmers training programme on “Soil and Water Conservation for Improving Agricultural Productivity” conducted during 25th to 27th September, 2006.
- Colony residents Training Programme on “Rainwater Harvesting & Water Conservation Methodologies ”is conducted during 29-31 March, 2007.
- One week faculty training programme on “Resistivity Imaging Equipment” during 22nd to 26th July 2008.
- Three –Week Refresher Course on “RS and GIS applications to Water and Environmental Technologies” during 25th August to 16th September, 2008.
- Three –Week Refresher Course on “*Satellite Data Applications in Weather and Climate Change*” during 18.03.2013 to 10.04.2013.
- One – Week short term Course on “Satellite data Applications in Earth and Atmospheric Sciences” during 06.01.2014 to 11.01.2014.
- Four day training programme on “3D Resistivity Imaging for Groundwater Exploration” during 24th and 27th March, 2014.
- Five day training programme on “Groundwater Modelling” during March 16-20, 2015

Dr. C. Sarala

1. International Conference on Hydrology and Watershed Management, with a focal theme on water quality and conservation for sustainable development Centre for Water Resources, JNT University Hyderabad December 16-18, 2002



2. Workshop on “Water Resources Management Education Training and Employment opportunities in the State of Andhra Pradesh in Centre for Water Resources, JNTU on 9th November, 2004.
 3. Second International Conference on Hydrology and Watershed Management, Centre for Water Resources, JNTU, Hyderabad. December 5-8 2006
 4. One-day workshop on “Coping with Water Scarcity” organized on the occasion of World Water Day in Centre for Water Resources, JNTU on 22, March 2007.
 5. One-day workshop on Isotope Tracer Techniques for Water Resources Development and Management in Centre for Water Resources, JNTU on 12th February, 2008.
 6. Third International Conference on Hydrology and Watershed Management, Centre for Water Resources, JNTU, Hyderabad. February 3-6 2010.
31. Code of ethics for research followed by the departments

Normally the centre receives research funding from AICTE, DST, UGC, MINISTRY OF ENVIRONMENT, MINISTRY OF WATER RESOURCES and few other International Organizations such as IWMI Srilanka & 3RD world Academy of sciences. This centre follows sound ethics in managing the research fund and the intellectual property rights as per the rules and regulations invogue of the respective funding agencies.

The centre has never claimed funding for doing the similar Research all the findings were properly submitted to the funding agencies and published only after dew acknowledgement and permissions if necessary.

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Tech(Water and Environmental Technology)	2010 Batch - 9	7	2	77.7	22.22
	2011 Batch - 6	3	3	50	50
	2012 Batch - 20	13	13	100	100
	2013 Batch - 21	14	14	78.57	85.71
	2014 Batch - 20	16	16	93	100 (only upto 1st semester)
	2015 Batch - 18	14	14	Not appeared any End Exams	



33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Tech(Water and Environmental Technology)	100%(2010)	Nil	Nil	Nil
	99%(2011)	Nil	1%	Nil
	98%(2012)	Nil	2%	Nil
	98%(2013)	2%	Nil	Nil
	100%(2014)	Nil	Nil	Nil
	100%(2015)	Nil	Nil	Nil

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

GATE Qualified in the year	GATE Qualified Members
2012	10
2013	11
2014	12
2015	7

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil	Nil
PG to Ph.D.	32 members
Ph.D. to Post-Doctoral	--
Employed	
Campus selection	--
Other than campus recruitment	--
Entrepreneurs	--

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	--
from other universities within the State	Within the state
from universities from other States	--
from Universities outside the country	--

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Number of faculty awarded Ph.D	Year
Dr. M.V.S.S.GIRIDHAR	2007
Dr. B.VENKATESWARA RAO	1995
Dr. K. RAMA MOHANA REDDY	2005
Dr. C. SARALA	2010



38. Present details of departmental infrastructural facilities with regard to
- a) Library : **Yes**
 - b) Internet facilities for staff and students : **Wi-Fi**
 - c) Total number of class rooms : **4**
 - d) Class rooms with ICT facility : **All**
 - e) Students' laboratories : **3**
 - f) Research laboratories : **1**
39. List of doctoral, post-doctoral students and Research Associates
- a) from the host institution/university

Details of Completed Ph.D. Students

Sl. No.	Name of the Ph.D. Awardees	Year
1.	Dr. G. Venkata Rama Reddy	1995
2	Dr. B. Venkateswara Rao	1995
3	Dr. G. K. Viswanath	1996
4	Dr. S. A. Saseendran	1998
5	Dr. S. Mohd Ghouse	1998
6	Dr. S. Sudarsan Rao	2002
7	Dr. A. Sankaraiah	2002
8	Dr. Mohd. Hussain	2002
9	Dr. N. Chalamaiah	2003
10	Dr. V. V. Nageswara Rao	2003
11	Dr. M.V Padma Nabhan	2003
12	Dr. K. V. Murthi Rao	2003
13	Dr. K. Rama Mohan Reddy	2005
14	Dr. A. Manjunath	2005
15	Dr. C. R. Tyaga Raju	2005
16	Dr. A. T. Jayaseelam	2005
17	Dr. K. Vijaya Bhaskara Reddy	2007
18	Dr. A. Ali Baig	2007
19	Dr. A. V. Suresh Babu	2008
20	Dr. C. Sarala	2010
21	Dr. M. Lilly Padmaja Joshi	2010
22	Dr. V. Vara Lakshmi	2012



**Details of Present Ph.D. Students**

Sl. No.	Name of the Ph.D. Research Scholar	Year
1	P. Deepthi	2012
2	P. Ravi Babu	2012
3	A. Shravan Kumar	2012
4	S. Vijay Kumar	2012
5	Y. Siva Prasad	2012
6	P. Shobha Rani	2013
7	S. Rupa	2013
8	P. Sowmya	2014
9	G. Hepsi Swarupa Rani	2014
10	V. Narasaiah	2014

b) from other institutions/universities

40. Number of post graduate students getting financial assistance from the university.

Under "TEQIP" 5 members on each Semester

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

The centre was started in 1984 with the recommendations of the expert committee of the Ministry of education and culture Govt. of India. Later the centre for Water Resources started M.Tech programme after obtaining due permissions from the University bodies such as board of studies and academic senate executive council prior to this need for started M.Tech Water & Environmental Technology was assessed. And several expertises were made in the form of brain swarming sessions and obtaining opinion of the several experts in this field. Similar procedure was also followed for starting Ph.D. and M.Sc. programmes in fact Ph.D. Water Resource Management was the first program to be started at the centre way back in 1989 as the centre was originally started as the research centre in 1984. The M.Tech presently known as Water and Environmental Technology programme was added in 1990. The M.Sc. Water and Environmental Science programme also started later.

42.



Does the department obtain feedback from

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
- b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
- c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes, the department collect feedback from faculty, students and alumni in respect of teaching, learning and evaluation. These feedbacks are utilised in modifying the curriculum updating the teaching methods and evaluation. This has resulted in several times changing the course structure and syllabi of the programmes and the title of the programmes have also been changed.

43. List the distinguished alumni of the department (maximum 10)

1. C. Chandra Mohan (Retd. Engineering chief)
2. B. Narasimhulu (Scientist CREDA)
3. G. Srinivasa Rao (Executive Engineer)
4. Sunitha (Commissioner)
5. Bhavani (Asst. Professor)
6. Ather Sultana (General Engineer-EWA, Bahrain)
7. V. Vara Lakshmi (HOD, MLRIT, Hyderabad)
8. Dr. M. Lilly Padmaja Joshi (Asst. Prof., Kakinada)
9. Praveen Babu (DGM, HMWSSB)
10. Mazar Saleem (Principal of Shadan Engg. College)

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

1. Organised One Day Work Shop on “Open Source Satellite Data and Analysis of Ocean and Atmosphere” on 7th April 2011
2. One day workshop on “Water and Environment” was conducted on 20th March, 2009.
3. International workshop and Brainstorming session on cloud seeding operations in A.P. was conducted during 15th -17th December, 2008
4. Workshop on “Isotope Tracer Techniques for Water Resources Development and Management” was conducted on 12th February, 2008.



5. Three day workshop on “Rainwater Harvesting and Recharge Methodologies” was conducted during 29th to 31st March, 2007.
6. One-day workshop on “Coping With Water Scarcity” on the occasion of World Water Day on 22nd March, 2007.
7. Workshop on “Water Resources Management, Education, Training and Employment Opportunities in the State of A.P” on 9th November, 2004.
8. Workshop on “Watershed Management – Problems and Prospects” in 1998 during 31st August, 1998.
9. A National workshop on “well Failures” Causes and Strategies for Effective Countering” was conducted during 6th to 7th December, 1990
10. One-day workshop on Isotope Tracer Techniques for Water Resources Development and Management in Centre for Water Resources, JNTU on 12th February, 2008.
11. One-day workshop on “Coping with Water Scarcity” organized on the occasion of World Water Day in Centre for Water Resources, JNTU on 22, March 2007.
12. Workshop on “Water Resources Management Education Training and Employment opportunities in the State of Andhra Pradesh in Centre for Water Resources, JNTU on 9th November, 2004.
13. One Day workshop on Emerging Trends in Industrial Waste Management Technologies, held at Institute of Science and Technology, J N T University Hyderabad on 22nd March 2013.
14. National workshop on ‘Application of remote sensing and GIS in water resources management’. March, 2010
15. A 3-Day workshop on “Intellectual Property Rights (IPR)“ during 20th -22nd June, 2007, organized by SNIST, IST-JNTU and Osmania university at SNIST campus.
16. International workshop on Weather Modification Technologies, Hyderabad, held during 18th – 20th January 2007, organized by Centre for Atmospheric science and weather modification technologies, JNTU, Hyderabad.
17. Two day National workshop on “Watershed management and impact of environmental changes on water resources” Organized by department of civil engineering, JNTUCEH, JNTU, Hyderabad during 20th -21st September 2006.
18. Two day national workshop on “Environmentally sustainable water resources management methodologies” Organized by IST, JNTU, Hyderabad during 3rd – 4th July 2006.



19. “Workshop on Space technology applications” Organized by ISRS-Hyderabad Chapter, ERDAS, centre for SIT, JNTU, Hyderabad during 18th – 19th May 2005.
20. Organized a two day National workshop on Watershed Management and Environmental Changes (WMEC-2006) during 20th-21st September, 2006 as **Coordinator.**

45.



List the teaching methods adopted by the faculty for different programmes.

- 1. Traditional black/white board teaching using projector and slides**
- 2. Using Internet**
- 3. Seminars of the students**
- 4. Field work / lab work demonstration**
- 5. Visiting the Industries by national/international labs**

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The department continuously monitor the learning outcomes by conducting various internal & external mid, Semester examinations and also by conducting Viva-voce examinations both in Practical classes as well as for thesis submission.

47. Highlight the participation of students and faculty in extension activities.

The student & faculty have conducted demonstration classes to the public in general and farmers in particular the best rain water harvesting practices, water conservation practices and watershed management practices.

48. Give details of “beyond syllabus scholarly activities” of the department.

Students have designed roof garden management practices, Solar Energy saving practices ON&OFF campus rain water harvesting practices

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

The programme is accredited by

a) NBA,

b) The department is recognized by central public health environmental Engineering organization to sponsor in service personal of the central Govt. to study M.Tech (Water & Environmental Science) offered by the centre.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

1. The Department for the first time designed the recharge pit to be adopted in the households & institutions for the ground water recharge.
2. Generated new knowledge in the field off ground Water exploration to identify causes of Well failures in the kondalitic , granitic bessaltic terrains.
3. Quantified the very important parameters in the hydrologic cycle with respect to total recharge from the rainfall and water bodies , return flows from the Irrigation , runoff coefficients , Aquifer parameters for the kondalitic , granitic bessaltic terrains.



4. Quantified the soil erosion in the catchment of nature reservoirs like sri ram sagar.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

1. Possessed advanced equipment & personal for Ground water exploration.
2. posses softwares & Hardware in RS& GIS to monitor water resources, Sio moisture and vegetation.
3. Has expertise in rain water harvesting, recharging and water conservation.
4. The centre has very good network with state & Central organisations dealing with water, land and Environment
5. Possess lab facilities for estimation of various water quality parameters.

Weaknesses:

1. There is inadequate expertise in water resource systems modelling.
2. Water Quality lab has to be strengthened with advanced equipments.
3. Expertise in hydraulic Structures adequate expertise is required in designing Hydraulic Structures.
4. Networking with international organization is week in the centre.
5. Core faculty strength has to be improved.

Opportunities:

1. The centre has immense opportunity to design, develop & upscale the technologies resilient to climate change.
2. The centre can start New PG Programme such as M.Tech (Disaster management)
3. The centre has opportunity to become one of the skill development, technology transfer and training centre. Now only at national level but also for the south East Asia in the fields of water, land & Environment.
4. Water conservation, Drinking water supplies and Sanitation are the Key area for the development in which government s are showing immense interest. Therefore the centre can become third party consulting agency in monitoring the implementation of best practices by the public in general and by the Government in particular.
5. The centre can expand its network activities by closely collaborating with other similar



national & International Organisations to undertake joint research & development Programmes.

Challenges:

1. To become one of the major water resources systems modelling centre in future.
 2. To become one of the major centre in attract the national, international funding for research in water resources management.
 3. To attract the students to take up the courses offered by the centre not only at the national level but at the international level.
 4. To have a network with national and international organisations there by influencing decision making at the top level of the governments.
 5. To become one of the major consulting centre in selected areas such as Ground water , rain water harvesting and RS& GIS application to Water resources.
52. Future plans of the department
1. In the Immediate future the centre wants to develop water resources systems modelling lab, as well as the water quality lab by attracting funding from FIST Programme of the DST or other similar Programmes of the Government.
 2. In the Long run the centre wants to start one more M.Tech Programme in the areas such as disaster management.



Centre for Spatial Information Technology

1. Name of the Department : **Centre for Spatial Information Technology, IST**
2. Year of establishment : 1992
3. Is the Department part of a School/Faculty of the university? : Yes
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

M.Tech in Spatial Information Technology

M.Tech in Geo informatics and Surveying Technology

M.Tech (Part time) in Remote Sensing & GIS

M.S. by Research in Spatial Information Technology

Ph.D. in Spatial Information Technology

5. Interdisciplinary programmes and departments involved

Names of Interdisciplinary courses:

M.Tech (Spatial Information Technology)

M.Tech (Geo informatics and Surveying Technology)

Departments/units involved:

CSE, ECE, EEE, Dept. of Civil Engineering, Agriculture, Planning, Centre for Water Resources and Centre for Environment, CEA & WMT

6. Courses in collaboration with other universities, industries, foreign institutions, etc.:
Yes
Students are carrying out their second year course work in industries/organizations like NRSC (ISRO), INCOIS, NIRD, Survey of India, Telangana Remote Sensing Application Centre, Andhra Pradesh Space Application Centre etc.
7. Details of programmes discontinued, if any, with reasons : No
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System :
Semester R-15 Choice Based Credit System from 2015 onwards for both M.Tech SIT and GIST programmes.



9. Participation of the department in the courses offered by other departments: **Nil**

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Cadre	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	1
Assoc. Professors	1	1	1
Asst. Professors	1	0	0
Others	--	--	--

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Dr. K. ManjulaVani	Ph.D.	Professor	Civil Engg. (Structures)	27	10
J. Venkatesh	M.Tech, Ph.D (pursuing)	Associate Professor	Water Resource	12	NA

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

- Dr. R.S. Dwivedi
- Dr. I.V. Murali Krishna
- Sundara Rajan

13. Percentage of classes taken by temporary faculty – programme-wise information

- M.Tech (Spatial Information Technology) – 65%
- M.Tech (Geo informatics and Surveying Technology) – 60%

14. Programme-wise Student Teacher Ratio :

- M.Tech (Spatial Information Technology) – 12:1
- M.Tech (Geo informatics and Surveying Technology) – 12:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Staff		Sanctioned	Filled	Actual
Technical	Technical Assistant	1(Regular)+1(Outsourcing)	2	2



	Lab Technicians	Nil	Nil	Nil
Administrative	Clerk	1(Outsourcing)	1	1
	Ministerial Staff	2(Outsourcing)	2	2

16. Research thrust areas as recognized by major funding agencies:

1. Application of Spatial Information Technology in Irrigation Water Management by International Water Management Institute.
2. Real Time Tacking of the Fleet of the Petroleum Tanks

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : Nil

18. Inter-institutional collaborative projects and associated grants received : Yes

- a) National collaboration: No
- b) International collaboration: No

IMWI, Colombo, Srilanka granted funds of Rs 14, 00,000/-

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil

20. Research facility / centre with

- **State Recognition** : Digital Image Processing and Geographic Information Systems Lab
- **National Recognition** : Digital Image Processing and Geographic Information Systems Lab
- **International Recognition** : Digital Photogrammetry part of DIP

21. Special research laboratories sponsored by / created by industry or corporate bodies : Nil

22. Publications: Refer to Annexure I.

- Number of papers published in peer reviewed journals (national / international): 13

Dr. K. Manjula Vani, Professor



1. T. Valsa Ipe, H. Sharada Bai, K. ManjulaVani, “**An experimental study on behaviour of thin walled cold-formed steel-concrete composite beams under shear**”, Indian concrete Journal, 2012.
2. ManjulaVani K., “NBD Fibres as Building Materials”, Master builder, June 2013.
3. T. Valsa Ipe, H. Sharada Bai, K. Manjula Vani and Merchant Mohd Zafar Iqbal, “**Flexural Behaviours of Cold-Formed Steel-Concrete Composite Beams**”, International Journal of Steel and Composite Structures, 2013, Vol.14, No.2, pp.105-120.
4. Y. Satya Prabhakar, M. Potharaju, K. ManjulaVani ‘**Mystery of building failures in North coastal Andhra Pradesh: An FGE approach.**’ The IUP journal of soil and water sciences. Nov.2011.
5. Y. S. Prabhakar, M. Potharaju, K. Manjulavani, ‘Civil Engineering Aspects of Tsunami Resistant Buildings: A Forensic Approach’. The IUP journal of soil and water sciences. Aug.2011.
6. J.V. Suresh Babu, M.Potharaju, K.ManjulaVani, ‘Repair Methodology for Fire Damaged R.C.C Beams.’ International Journal of Applied Engineering Research. Pg 2765-2775.
7. J.V. Suresh Babu, M.Potharaju, K.ManjulaVani, ‘Repair Materials for heated concrete.’ International Journal of Applied Engineering Research. Pg 1555-1564.
8. Y.S. Prabhakar, M. Potha Raju And K. Manjulavani “Lime slurry trench technique, to control, cracks on Industrial Flooring-Eco friendly approach’, EM International, vol 30, issue 2, 2011, pg 273-8.

Conferences

- 1) T. Valsa Ipe, H. Sharada Bai, K. ManjulaVani, ”**An Experimental study on ductility performance of Cold-Formed Steel-Concrete Composite Beams**”, National Conference on Recent Advances in Civil Engineering, pp. 328-333, Nov-Dec, 2012.
- 2) Ballu Harish, R. Venkat Sheshu, K. Manjula Vani, “**Exchange of Global Telecommunication System data at INCOIS**”, 38th National Systems Conference, Real Time Systems: Modeling, Analysis and Control, November 2014, ISBN: 9789351072973
- 3) M.Sumanth Reddy, Sourav Maity, K.Manjula Vani, “**Sardine Distribution Pattern using Satellite Remote Sensing and GIS application**”, 38th National Systems Conference, Real Time Systems: Modeling, Analysis and Control, November 2014, ISBN: 9789351072973
- 4) Maloth Chaitanya, Dr. K.V. Manjula Vani, “**Wireless Sensor Networks for Automated Field Data Collection**”, 38th National Systems Conference, Real Time Systems: Modeling, Analysis and Control, Nov 2014, ISBN: 9789351072973
- 5) Prof K. Manjula Vani and G. Srinivasa Rao, “**Effect of High Density Poly Ethylene Fibres in High Performance Concrete**”, National Conference on Recent Trends in Science and Technology, JNTUH Jagityal, Feb 2015



- 6) K. Sashikiran Babu, K. Manjula Vani, Ph.D., “**Quasi Static Response of Concrete Gravity Dams**”, National Conference on Recent Trends in Science and Technology, JNTUH Jagityal, Feb 2015
- 7) Mahendar. G., Ramesh. M. and Dr. ManjulaVani. K., “**Land Use Land Cover Mapping using AWiFS Data- a Case Study**”, National Conference on Recent Trends in Science and Technology, JNTUH Jagityal, Feb 2015
- 8) Dr. K. Manjula Vani and V. V. N. Ramesh, “**Experimental Studies on Modified Reactive Powdered Concrete – Analysis with Tension and Elasticity**”, National Conference on Technological Innovations and Sustainable Infrastructure, NIT calicut, Mar, 2015
- 9) K. Sashikiran Babu, Prof. K. Manjula Vani, “**Study of Natural Vibrations in Concrete Gravity Dams**”, National Conference on Technological Innovations and Sustainable Infrastructure, NIT calicut, Mar, 2015
- 10) T. Valsa Ipe, H. Sharada Bai, K. ManjulaVani, ”**Experimental study on the influence of Lip Size on the Flexural strength of Cold-Formed Steel Concrete Composite Beams**”, Proceedings of International Conference on Civil, Structural and Environmental Engineering, pp. 586-589, Feb,2011.
- 11) T. Valsa Ipe, H. Sharada Bai, K. ManjulaVani, ”**Performance of Cold-formed Steel-concrete Composite beams under Flexure**”, Proceedings of International Conference advances in Architecture and Civil Engineering, Vol. 1, pp. 21-23, June 2012.
- 12) Ballu Harish, R.Venkat Sesh, K.Manjulavani, “**Dissemination of Atmospheric Data through Open Source GIS**”, International Conference on Environment and Energy, Dec 2014, ISBN: 978-93-81212-96-7
- 13) K. Sashikiran Babu, K.Manjula Vani, Ph.D., “**Environmental Impact Assessment of Large Dams**”, International Conference on Environment and Energy, Dec 2014, ISBN: 978-93-81212-96-7
- 14) M. Sumanth Reddy, Sourav Maity, K. Manjula Vani, “**Indian Oil Sardine Prediction Pattern using Satellite Remote Sensing and GIS applications**”, International Conference on Environment and Energy, Dec 2014, ISBN: 978-93-81212-96-7
- 15) G. Srinivasa Rao and K.Manjulavani, Ph.D., “**Reuse of HDPE for Municipal Solid Waste Disposal**”, International Conference on Environment and Energy, Dec 2014, ISBN: 978-93-81212-96-7
- 16) Maloth Chaitanya, Dr. K. Manjula Vani, “**Correlation of Wireless Sensor Networks with Remote Sensing**”, International Conference on Environment and Energy, Dec 2014, ISBN: 978-93-81212-96-7
- 17) Development of an Automatic Algorithm for Extraction of Waterlogged Areas using Geospatial Techniques, Hemalatha D*1, Dr. ManjulaVani K1, Ramesh M1 and Asra M1
- 18) Evaluation of NDWI and MNDWI for Intra-Annual and Inter Annual assessment of Waterlogged Areas using Satellite Data - A case Study, Ramesh M*1, Dr. ManjulaVani K1, Hemalatha D1 and Asra M1
- 19) Watershed Planning and Impact Assessment – using Satellite Data, Jaya Babu T*1, Dr. Kesava Rao P2, Dr. ManjulaVani K1, Dr.MadhavaRaoV2 & Phanindra Kumar T2



- 20) Reuse of PET Waste from Coastal Area in High Performance Concrete – Case Study on Goa Coast, G. Srinivasa Rao*1, Dr. ManjulaVani. K2 and Dr. D. Srinivasa Sarma3
- 21) Satellite based Assessment of Soil & Water Characteristics, Mahbooba Asra 1, Dr. ManjulaVani K1 and Ramesh M1
- 22) Evaluation of damping for safety and stability of Gravity dams by Finite Element Analysis, K. Sashikiran Babu*1 and Dr. ManjulaVani. K2

J. Venkatesh, Associate Professor, Head of CSIT-IST, JNTUH

- 1) “Retrieval of sea surface wind surface wind speed from IRS-P4 (MSMR) brightness temperature : An artificial neural network approach” presented a paper held in “Map World forum” held at Hyderabad in February 2009 by Dr. Babula Jena & J. Venkatesh.
- 2) “GPS Survey in development of crop yield model based on satellite remote sensing derived crop condition” by J. Venkatesh, Head, CSIT.
- 3) J. Venkatesh (2014), Paper has been Published which is entitled “Land Use and Land Cover Changes of Al-Kut City in Iraq using Remote Sensing and GIS Techniques” in the International Journal of Scientific Engineering and Technology Research (IJSETR-2014).
- 4) J. Venkatesh presented a paper in National conference on New Trends in civil Engg.(NTCE-2014) in the technical session VI on “Remote Sensing and GIS”
- 5) J. Venkatesh presented a paper Asian Journal of multidisciplinary Studies” Geoprocessing Desktop Application for INCOIS Web Services” Volume III, Issue 8, August,2015. (Impact Factor: 0.923)

* Monographs	: Nil
* Chapters in Books	: Nil
* Edited Books	: Nil
* Books with ISBN with details of publishers	: Nil
* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	: Nil
* Citation Index – range / average	: Nil
* SNIP	: Nil
* SJR	: Nil
* Impact Factor – range / average	: Nil
* h-index	: Nil
23. Details of patents and income generated	: None
24. Areas of consultancy and income generated : GPS Survey – 7 lakhs	



25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad :
Professor K. Manjula Vani
26. Faculty serving in
- National committees: No
 - International committees No
 - Editorial Boards : No
 - any other (please specify) : J. Venkatesh – Member of APSRAC State Level Research Review Committee, member of AP State Level Committee on ULB’s projects and also Academic Committee member of IISM, Survey of India.
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Dr. K. Manjula Vani, Professor has worked as Director Academic Staff College, JNTUH for 3 years and conducted many refresher/orientation/training programmes etc.

J. Venkatesh, HOD conducted refresher courses/workshops/short term training programmes etc in Academic Staff College as a co-ordinator.

28. Student projects
- percentage of students who have done in-house projects including inter-departmental projects : 35%
 - percentage of students doing projects in collaboration with other universities industry / institute : 65%
29. Awards / recognitions received at the national and international level by : Refer to Annexure

*** Faculty**

Dr. K. Manjula Vani

Awarded by Savithri Bai Phooley Best Teacher Award in 2009

Awarded SABALA by Doordarsan Saptagiri channel in 2013

*** Doctoral / post doctoral fellows : No**

*** Students : No**

30. Seminars/ Conferences/Workshops organized and the source of funding (national / International) with details of outstanding participants, if any.

S.	Expert	Topics	Date	Faculty Name	Origination
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No	Lectures & Workshops				
1.	Refresh Course	Integrated Survey Using Total Station & GPS	08/11/2010	Dr. S. Vidyavathi & J. Venkatesh	IST
2.	Refresh Course	GIS based engineering applications	18/07/2011	Dr. K. Manjula vani	--
3.	Refresh Course	Disaster Management	27/02/2012	Dr. K. Manjula vani	--
4.	Two days workshop	Advanced VLSI design	31/08/2012	Dr. K. Manjula vani	--
5.	Expert Lectures	Personality Development and Soft Skills		.(D.V. Sessa Sai)	Sri Sai Kameswari Educational Academy (IFC, NIESBUD)
6.	Expert Lectures	“Overview of G N S S System”.	20/03/2015,	Major General R. C. Padhi	Additional Surveyor General, IISM, Hyderabad
7.	Workshop One Day	Personality Development and Soft Skills	21/03/2015	1.(D.V. Sessa Sai) 2. (A. Srinivasa Rao)	Sri Sai Kameswari Educational Academy (IFC, NIESBUD)
8.	Workshop four Days	Recent Trends in Geoinformatics	24/03/2015 to 27/03/2015	Shri Ravichandran	R S Geoinformatics Pvt Ltd, / SOI
				Shri R.S. Dwivedi	Scientist, NRSC
				Shri D. Vijayan, Sai K- Ms Sai Kumari, Ms Greeshma Desai, Shri M. Arulraj, KK. Sreenivas	NRSC
9.				S.S. Rajashekar	Former NRSC
				J. N. A. Murthy, T . S .	NRSC



				Vishwanadhan, Venugopal, S Krishnaiah,	
10.	one-day workshop	Remote Sensing Applications	31-03-2015 10:30 AM, to 05:30 pm	Shanker Prasad Rajeev Rama Mohan Rao, K.V. Ramana	water resources NRSC (Land use Land cover) NRSC Geomatics & Disaster NRSC Agriculture NRSC
11.	Industrial visit	Survey of India, Hyderabad	20-03-2015		--

National: 8 - Source of funding – Institute/University, Sponsors and Registration Fees

International: 3 – Source of funding – Institute/University, Sponsors and Registration

Fees

31. Code of ethics for research followed by the departments:

The Department of CSIT is imbuing the ethics and etiquettes by motivating the students as well as faculty to holistically follow the code of ethics for any research work carried out within the department. In order to carry forward the legacy of the department of CSIT different tools for checking the plagiarism are used to ensure the quality of the research work. All the students and faculty members in Department of CSIT are committed to carry out research for the betterment of society in general and development of nation in particular.

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Tech - SIT		10	08	60%	60%
M.Tech - GIST		04	12	100%	100%

33. Diversity of students

Name of the	% of	% of students	% of students	% of
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Programme (refer to question no. 4)	students from the same university	from other universities within the State	from universities outside the State	students from other countries
M.Tech - SIT	69%	25%	6%	0%
M.Tech - GIST	84%	16%	0%	0%

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.:

Batch	Number of Students
2012	11 qualified in GATE, 1 Student qualified in NET
2013	25 qualified in GATE
2014	23 qualified in GATE
2015	17 qualified in GATE

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil	Nil
PG to Ph.D.	15%
Ph.D. to Post-Doctoral	--
Employed	
Campus selection	20%
Other than campus recruitment	70%
Entrepreneurs	7%

36. Diversity of staff

Percentage of faculty who are graduates of	
the same university:	80%
from other universities within the State from	20%



universities from other States from	NA
universities outside the country	NA

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : Nil

38. Present details of departmental infrastructural facilities with regard to

- a) Library : Available
- b) Internet facilities for staff and students : Available
- c) Total number of class rooms: 2
- d) Class rooms with ICT facility : All class rooms have ICT facility
- e) Students' laboratories: 3 labs (GIS, DIP, .NET)
- f) Research laboratories : 1

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

- G. Naresh
- D. Hari Prasad
- U. Deepika
- Niraj Priyadarshi
- Subhashmitha Sahani
- A. Narayana Rao
- B. Swarna Latha

b) from other institutions/universities : None

40. Number of post graduate students getting financial assistance from the university.

Batch	GATE Scholarship	TEQIP Scholarship
2012	11	6
2013	25	9
2014	23	6
2015(applied for FA)	17	8



41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. : **Nil**
42. Does the department obtain feedback from :
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
Yes
 - To enhance the teaching learning process through quality circle meeting by taking proper feedback of the corresponding theory and Lab courses.
 - Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
Yes
 - The feedback from the students is used to improve the learning process innovative and effective.
 - To improve the quality of teaching learning process, both quantitative and qualitative measure is applied.
 - Alumni and employers on the programmes offered and how does the department utilize the feedback?
 - The feedback from alumni is used to improve the curriculum in order to make it effective to the demand of the Industry.
 - With the help of alumni association the students are provided with proper technical and other necessary training and placement benefits.
43. List the distinguished alumni of the department (maximum 10)
- Gumma Murali Krishna employed in ICRISAT
 - Pardhasaradhi employed in NASA
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.
- A four day workshop is organized on “Recent trends in Geo informatics”.
 - A one day workshop is organized on “Remote Sensing Applications”
 - A one day workshop is organized on “ Personality Development and Soft Skills”
 - An industry visit to Survey of India, Hyderabad is organized.
45. List the teaching methods adopted by the faculty for different programmes.



Seminars, expert lectures, visual aids.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- Through meetings and random checks by Dean, HOD and established committees.
 - By interacting with students and faculty frequently to check the progress.
47. Highlight the participation of students and faculty in extension activities.

The faculty and students actively participate in various seminars and workshops organized by the institute and others institutes. All the students and faculty of the department participated in workshops mentioned in 44. The faculty also participated in an international conference organized by ICWI.

The students also participated in blood donation camps organized by NSS and “Swachh Bharath” Programs.

The student named P. Bala Raju participated in NSS camp at Warangal, Telangana.

48. Give details of “beyond syllabus scholarly activities” of the department.
- The faculty introduce value addition contents for the corresponding theory and lab courses.
 - The monitoring committee under the chairmanship of HOD monitors and access the value addition activities.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. : No
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- Through research and development activities.
 - Introducing value addition courses.
 - Conducting In-house and industrial training activities.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

1. The core competence of the department is its state of the art syllabi revised as per



industry needs.

2. Sufficient number of laboratories and technical help.

Weakness:

1. Number of regular teaching faculty is less.

Opportunities:

1. To provide employable skilled manpower as per the local needs and the global standard.

Challenges:

1. To establish strong bondage between the department and Industry.

52. Future plans of the department.

1. To promote Research and Development activities by developing various multi-disciplinary research groups.
2. To Introduce Web based learning through online courses.
3. To provide wider access to people for pursuing professional programmes to inculcate entrepreneurial skills.
4. To further strengthen an Industry Institute Interaction Cell (IIIC) to improve the Campus placement.
5. To organise workshops, symposiums, seminars, faculty development programs and conferences in the department to promote spatial information technology based interdisciplinary research.
6. To establish incubation centre for developing entrepreneurship and promoting start-up with innovative ideas

JNTUH School of Information Technology



School of Information Technology

1. Name of the Department School of Information Technology (Autonomous)
2. Year of establishment 2001
3. Is the Department part of a School/Faculty of the university? Faculty of the University
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

S. No.	Program	Name of the Course	Specialization
1	PG	M. Tech	Computer Science
2	PG	M. Tech	Software Engineering
3	PG	M. Tech	Computer Networks and Information Security
4	PG	M. Tech	Bio-informatics

5. Interdisciplinary programmes and departments involved : CSE & MSIT
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programmes discontinued, if any, with reasons : Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
 - Semester Based System
 - (Choice Based Credit System implemented from 2015).
9. Participation of the department in the courses offered by other departments : Faculty Exchange
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Cadre	Sanctioned	Filled	Actual (including CAS & MPS)
Professors	3	3	6
Associate Professors	4	4	3
Assistant Professors	5	5	3
Others	--	--	--



11. Faculty profile with name, qualification, designation, area of specialization and experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. / M.Phil. students guided for the last 4 years
Dr. S. Durga Bhavani	Ph.D	Director	Information retrieval system, Data Base Management Systems, Data Mining, Analysis of Algorithms, Parallel Programming	27	4
Dr. M. Sreenivas Rao	Ph.D	Professor	Neural Networks, Data Mining, Information Retrieval, Information Security and Web Technologies	29	5
Sri A. Damodharam	Ph.D	Professor	Image Processing Information Security	25	9
Dr. S. V. L. Narasimham	Ph.D	Professor	Electrical Distribution, Automation Energy conservation and Audit protocols and low levels, Image Processing	27	5
Dr. K. Chandra Sekharaiah	Ph.D	Professor	Software Engineering, Data ware house & Data Mining, Data base system, Distributed System, Natural language	25	--



			Processing, Cognitive Informatics, Security Modeling		
Dr. A. Govardhan	Ph.D	Professor	Databases, Data ware housing, and mining, Computer Networks, Image Processing, Information Retrieval and Object Oriented Systems	22	55
Dr. K. Santhisree	Ph.D	Professor	Data Mining, Information Retrieval System, Data base, Distributed System	15.4	--
Sri T. Srinivasulu Reddy	M.Tech	Assoc. Professor	Algorithms, Web based applications, e-Governance systems, Electrical Distribution, Automation	28	--
Sri G. Narasimham	M.Tech	Assoc. Professor	Object oriented Programming, Data Mining	25.5	--
Sri G. Praveen Babu	M.Tech	Assoc. Professor	computer Networks, Network Security, Analysis of Algorithms, Artificial Intelligen and Software Engineering	16	--
Dr. G. Venkata Rami Reddy	Ph.D	Assoc. Professor	Image Processing, Computer Networks, Analysis of Algorithms, Data Mining, Operating Systems and Web technologies	16	--
Smt. M. Arathi	M.Tech	Asst. Professor	data mining and warehousing	12	--
Sri K. Suresh Babu	Ph.D	Asst. Professor	Network Security, Wireless Networks	14	--



			and Mobile Computing.		
Smt. V. Uma Rani	M.Tech	Asst. Professor	Data Mining and warehousing	14	--
Sri Naveen Kumar	M.Tech	Asst. Professor	--	11	--

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors : NIL

Guest faculty :

- Team from Hexagrid, Hyderabad led by Ramesh Mandava and Ms. A. Sridevi delivered an awareness seminar on the topic “Cloud Computing” on 3rd December 2010.
- Muralidhar Medidi, Professor, Washington State University, USA delivered a seminar on the topic “Data Mining” during 2006.
- Prasanna Rambhatla, (SIT distinguished Alumnus) working with AT & T, India delivered a lecture on “Career Planner – Global Opportunities for PG students” on 2010.

13. Percentage of classes taken by temporary faculty – programme-wise information

S . No.	Name of the program	No. of Students admitted	Percentage
1.	M.Tech (CS)	24+*5	30%
2.	M.Tech (SE)	24+*4	30%
3.	M.Tech (CNIS)	26+*7	30%
4.	M.Tech (BIO)	16	50%
5.	MCA	30	40%

14. Programme-wise Student Teacher Ratio

Course /Programme	Student Teacher Ratio
M.Tech (CS)	2:1
M.Tech (SE)	2:1
M.Tech (CNIS)	2:1
M.Tech (BIO)	2:1
MCA	4:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Name of the designation	Sanctioned	Filled	Actual
Academic Assistants	6	6	--
List of Temporary teachers			



S. No	Name	Designation	Mail id
1.	Sri G. Sudhakar	Academic Assistants	Sudhakar4321@gmail.com
2.	Sri Sarath Chandra	Academic Assistants	Sarathbiochem@gmail.com
3.	Sri Balakrishna	Academic Assistants	kbkmram@gmail.com
4	Sri Surender Reddy	Academic Assistants	Surrender.it2008@gmail.com
5	Ms Anusha	Academic Assistants	Anusha.anushagrand@gmail.com
6.	Ms Chitra Sarika	Academic Assistants	chitrasarika@gmail.com
NON TEACHING STAFF			
Mrs Rajyalaxmi		Deputy Registrar	
Mrs .N. Aruna Kumari		Computer Operator	
Sri G. Ramesh Sreenadh		Computer Operator	
Sri S.V .Narayana		Superintendent	
Smt. G .Praveena		Sr. Assistant	
Adhoc -based Employees			
Smt P. Shakuntala		Junior Assistants	
Mr. Vanama Yobu			
Mr N. Narsing Rao			
Mr. M. Ranga Rao		Technical operators	
Mr. N. A. Swami			
Mr. A. Ram Mohan			
Mr. M. SambasivaRao			
Mr. M. Rama Shekar			
Mr. P. Mahesh		Office Subordinates and Lab Assistants	
Mr K. S. Diwakar			
Mr. Y. Srinivas Rao			
Ms. A. Shashikala			
Mr. A. Nagaraju			
Mr. R. VishnuGopal			
Ms. Ch. Andalamma			
Ms. B. Lavanya			

16. Research thrust areas as recognized by major NIL funding agencies
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. (Last four years)

Name of the faculty	Project name	Year	Name of the organization	Amount
Dr. M. Sreenivasa Rao	Preparation of IT Security policy for SEP	2012 4 weeks duration	Society for elimination of Rural poverty AP Government	Rs 2,19,000



			Indira Kranti Padakam	
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18. Inter-institutional collaborative projects and associated grants received

a) National collaboration

CEEL	CDAC
CEEL	24/7 learning

b) International collaboration

Name of collaboration	Collaborative organization	Date of collaboration
CISCO Networking Academy programmes	Cisco Systems inc. USA	16-05-2007
M.Tech/MS Dual Degree Masters Programme	CIT, Ireland	08-06-2011
MSIT Programme	Carnegie Mellon University	2001
M.Tech/MS Dual Degree Masters Programme	West Minister	2011

20. Research facility / centre with

State recognition : Nil

National recognition : Nil

International recognition : Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies : Nil

22. Publications: Total Number of Publications - 177

Dr. A. Govardhan

1. N.L. Manasa, A. Govardhan and Ch. Satyanarayana, "Touch-less Palm print Recognition System based on Fusion of Local and Global Features", *InderScience International Journal of Computer Applications in Technology*, Vol. 51, No. 2, 2015, pp.145-154.
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 9. “ Web User Interface of Hadoop Distributed File System”, International Journal of Science and Research (IJSR), D Dhananjay, , **Dr. G. Venkata Rami Reddy**, Volume 3 Issue 10, October 2014, ISSN (Online): 2319-7064 Impact Factor (2012): 3.358
 10. “Protecting large Cloud Data as a Service”, international journal of research in computer applications and robotics, Krishna Kunsoth, **Dr. G. Venkata Rami Reddy**, Vol.2 Issue.9, Pg.: 43-46 September 2014, , ISSN 2320-7345 (IF1.831 & DS-14.43)
 11. “Protecting the Finger Print Template by Fusion of Ridges and Texture”, International Journal of Computer Science and Information Technologies, Vidyasree.P1 , **Dr.G.VenkataRamiReddy2**, Vol. 6 (3) , 2015, 2106-2110, ISSN 0975-9646.(3.32)
 12. “Protecting the Finger Print Template by Fusion of Ridges and Texture”, International Journal of Computer Science and Information Technologies, Vidyasree.P1 , **Dr.G.VenkataRamiReddy2**, Vol. 6 (3) , 2015, 2106-2110, ISSN 0975-9646.(3.32)
 13. “Correlation Rules in Event Correlation and Management Framework “ IJRIT International Journal Of Research In Information Technology, Volume 3, Issue 8, August 2015, Pg. 39-45 **Dr. G Venkata Rami Reddy**, 2 Sudeep Pirangi
 14. “Efficient Compression Of Encrypted Images Via Prediction Error Clustering”



International Journal Of Technical & Scientific Research -Vol.5, Issue .1 ISSN
Online: 2319-9245 N. Prashanthi, DR. G. Venkata Rami Reddy, Associate
Professor

15. "Hadoop Distributed File System and Map Reduce Processing on Multi-Node Cluster" Dr. G. Venkata Rami Reddy1, CH. V. V. N. Srikanth Kumar International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064 Index Copernicus Value (2013): 6.14 | Impact Factor (2013): 4.438
16. "Security Enhancements for Finger Print Templates on Minutiae" Dr G. VenkataRamiReddy, Vidyasree. P International Journal of Computer Science and Information Technologies, Vol. 6 (4) , 2015, 4151-4153
17. "WLAN Troubleshooting and Diagnostics Framework" IJRIT International Journal Of Research In Information Technology, Dr. G Venkata Rami Reddy, Sravan Kumar Valluru Volume 3, Issue 8, August 2015, Pg. 46-51

Ms. M. Arathi

1. Published a paper on "Securing User transactions using two factor mobile authentications" in International Conference on Mobile Internet Devices organized by GRIET at Hyderabad on 17 -18 December 2010.
2. Published paper on "Development of spatial analyst toolbar in ArcGIS" in Int. Journal of Advances in Remote Sensing and GIS, Vol. 1, No. 1, 2012, ISSN 2277 – 9450 , august 2012
3. "Efficient type Ahead Search in XML Data", International Conference on Electrical Electronics & Computer Science held at Bengaluru on 17th Nov, 2013.
4. "Fuzzy type Ahead search in XML Data", National Conference on Research Trends in Computer Science and Technology on 15th and 16th November 2013.
5. "Effect of Mahalanobis Distance on Time Series Classification using Shapelets", International Conference on Emerging ICT for Bridging Future, 12th -14th December 2015.
6. "Multicloud Computing Security", International Journal of Engineering Research and Sports Science, Vol. 1, issue 4, June 2014.
7. Presented paper on Mobile Applications on the occasion of All India Seminar on "Latest Trends and Technologies in Computer Science & Engineering" held on 25th & 26th March 2014 at the Institution of Engineers, Visvesvaraya Bhavan, Khairtabad, Hyderabad -500004.

Ms. Uma Rani Vanamala

1. V. Uma Rani , Dr. M. Sreenivasa Rao , V. Theresa Vinayasheela "Disclosure Protection Of Sensitive Attributes In Collaborative Data Mining", International Journal Of Engineering And Computer Science ISSN:2319-7242 Volume 3 Issue 5 May, 2014 Page No. 5594-5599
2. M. Geetha , V. Uma Rani " Privacy Preservation of Sensitive Attributes Using



Hybrid Approach” International Journal Of Engineering And Computer Science
ISSN:2319-7242 Volume 3 Issue 4 April, 2014 Page No. 5407-5513

3. Yellamanchali Harini, V Uma Rani “A novel anonymization technique for preventing aggregate knowledge attack” International Journal of Health, Physical Education and Computer Science in Sports ISSN 2231-3265 Volume No.15, No.1. quarterly July 214-Sept 2014 pp258-260
4. Uma Rani.V, Dr. M. Sreenivasa Rao, Prakash Soma “A Study on Security & Privacy in
5. “Mining Market Basket Database by a Service Provider” The International Journal Of Science & Technology (ISSN 2321 – 919X) Vol 2 Issue 7 July, 2014
6. Uma Rani. V, Prakash Soma “A Secure Approach in Getting Association Rules from a Service Provider for Privacy Preserving in Market Basket Database” International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181 Vol. 3 Issue 7, July – 2014
7. E. Uday Redd1, Ms V Uma Rani and Dr M Srinivasa Rao Privacy in “Anonymizing Horizontally Partitioned Data” IJSET - International Journal of Innovative Science, Engineering & Technology, Vol. 1 Issue 6, August 2014. ISSN 2348 – 7968
8. D. Saahas Reddy, V. Uma Rani, Dr. M. Sreenivasa Rao “Dynamic Non-Cooperative Computation for Privacy Preserving Data Analysis” International Journal of Computer Science and Mobile Computing, Vol.3 Issue.10, October-2014, pg. 337-343
9. Ms. V. Uma Rani1, Dr. M. Srinivasa Rao2, N. Nikhil Krishna “Privacy Preserving Association Rule Mining” International Journal of Computer Science and Mobile Computing, Vol.3 Issue.10, October- 2014, pg. 791-798
10. Yasir Abdulzahra, K. Suresh Babu, V Uma Rani, Nora Mohammed Sahib “Motion Aware Vertical Handoff of WLAN-WiMAX-LTE” International Journal of Scientific Engineering & Technology research ISSN 2319-8885 Vol.03, Issue.31 October-2014, Pages:6176-6182
11. Deepthi Nagboth, V. Uma Rani “Data Exhibit Contemplation in Telecommunications Exercise by Hadoop” International Journal of Advanced Technology and innovative Research ISSN 2348–2370 Vol. 07, Issue. 03, April-2015, Pages: 0356-0359
12. V. Umarani, 2 Golla Pragathi “ Providing privacy to users in personalized web search” International Journal of Professional Engineering Studies Volume V /Issue 4 /AUG 2015

Mr. Naveen Kumar

1. (IJCTT) – volume 8 number 3– Feb 2014
2. (IJCTT) – volume 9 number 4– Mar 2014
3. (IJCTT) – volume 10 number 3 – Apr 2014
4. Effective classification of text IJCTT-volume 11 number 1-may 2014



5. ISSN 2319-8885, vol 3, issue 24, September 2014, pages 4843-4847
www.ijsetr.com
6. Volume 5/issue 2/ July 2015 page 114 www.ijpres.com
7. Volume 5/issue 2-30/ July 2015 page 216 www.ijpres.com
8. Volume 04, issue 23, July 2015, pages 4491-4494. www.ijsetr.com, issn 2319-8885
9. Volume 4 issue 4 Aug 2015-page 305. www.ijraet.com
10. Volume 4 issue 4 Aug 2015 -page 310. www.ijraet.com
11. Volume 4 issue 4 Aug 2015-page 315. www.ijraet.com
12. Volume 6, issue 4, pages 612-617. www.ijcta.com
13. Volume 6, issue 4, pages 618-623. www.ijcta.com
14. Volume 5, issue 4, Aug 2015, page 1. www.ijpres.com
15. Volume 3, issue 8, august 2015, pages 100-103. www.ijrit.com, issn 2001-5569
16. Volume 4, issue 5, Aug 2015, pages 178 to 183. www.ijraet.com
17. Volume 6, issue 5, pages 664-668. www.ijcta.com
18. Volume 5, issue 4, Sept 2015, page 193. www.ijpres.com
19. Volume 2, issue 12, Aug 2015, page 3223. www.ijtre.com
20. Volume 5, issue 3, Aug 2015, page 117. www.ijpres.com
21. Volume 3, issue 1, Sept 2015, page 106. www.ijtre.com
22. Volume 5, issue 3, Aug 2015, page 112. www.ijpres.com
23. Volume 3, issue 1, Sept 2015, page 102. www.ijtre.com
24. Volume 3, issue 1, Sept 2015, page 110. www.ijtre.com

Mr. K. Sarath Chandra

1. Identification of the potential regions of Epap-1 that interacts with V3 loop of HIV-1 gp120 **Biochimica et Biophysica Acta (BBA) - Proteins and Proteomics Volume 1834, Issue 4**, April 2013, Pages 780–790.

Mr. Sudhakar Gudlanarva

1. SaaS model Security issues in cloud computing under process. Submitted.
2. Title: “A cluster and Fuzzy logic based Intrusion Detection System” in International Journal of Scientific and Engineering Research (IJSER), Vol 5, Issue 6 June 2014.
3. Title: “Survey on Access Control Delegation to Protect and Maintain Privacy of Cloud Data” in International Journal of computer science and mobile Computing



(IJCSMC) , Vol 3 ,Issue 4, April-2014.

4. Title: “A secure Mechanism for Resilient of Data Mining Based Fraud Detection” in International Journal of Computer Science and Network Solutions (IJCSNS). Vol 1, Issue-3, November 2013.
5. Title: “Extraction of SPL Based on Semi Automatic Approach” in International Journal of Advanced Engineering and Global Technology (IJAEGT) Vol 1, Issue 4, November 2013.
6. Title: “Exploring the Emergence of social Networks in Collaborative Software Development” in International Journal of Scientific and Engineering Research (IJSER), Vol 4, Issue 10, October-2013.
7. Title: “Distributed Storage and Integrity Auditing Mechanism For Secure Cloud Storage” in International Journal of Advanced Research in Computers and Communication Engineering (IJARCCE), Vol 2, Issue 10, October 2013.
8. Title: “A Secure Cloud Storage and Forwarding with Timestamp Based Coordination” in International Journal of Advanced Engineering and Global Technology (IJAEGT) Vol 1, Issue 3, October 2013.
9. Title: “Empirical Perspective on Development of Software Process Improvement” in International Journal of Advanced Engineering and Global Technology (IJAEGT) Vol 1, Issue 3, October 2013.
10. Title: "Detecting and Resolving Identity Crimes by Using Secure Mechanism ", in Journal of Computer science and telecommunications (GESJ), Vol 4, 23 September 2013.
11. Title: “A Multi Criteria Recommender system for open authorization” in International Journal of Engineering and Computer Science (IJECS), Vol 2, Issus 9 September 2013.
12. Title: “A Method of Detecting Data Leakage Incident using Misuse ability Measure” in Journal of Current Engineering and Research (JCER), Vol 3. Issue 4, August 2013.

* Monographs

Dr. K. Santhisree

- Monograph by LAP Lambert Academic Publishing in 2015. On Sequential Data Clustering.

* Chapters in Books

Dr. A. Govardhan

- Manasa N.L, A Govardhan and Satyanarayana Ch, “Fusion of Multiple Biometric Traits: Fingerprint, Palmprint and Iris”, Bio-inspired Computing in Cyber Security, Intelligent Systems Reference Library by Springer, Germany, 2014, pp. 287-320.



- N. Gomathi, P. Seethalakshmi and A. Govardhan, “An Adaptive Cross Layer Design to Enhance Throughput for Multimedia Streaming over Mobile Adhoc Networks”, Trends in Networks and Communications, Springer-Verlag Berlin Heidelberg 2011, pp. 21-32.
- A.P. SivaKumar, P. Premchand and A. Govardhan, “Application of Latent Semantic Indexing for Hindi-English CLIR Irrespective of Context Similarity”, Trends in Networks and Communications, Springer-Verlag Berlin Heidelberg 2011, pp. 711-720.
- Ram Mohan Rao Kovvur, S. Ramachandram, Vijayakumar Kadappa and A. Govardhan, “A Reliable Distributed Grid Scheduler for Mixed Tasks”, Advances in Parallel and Distributed Computing, Volume 203 of the series Communications in Computer and Information Science, Springer, 2011, pp. 213-223

* Edited Books

Dr. A. Govardhan

- Munassar Nabil and A. Govardhan - A Hybrid Prototype Centric Model for Software Processes Management in the Object Oriented Approach Lambert Academic Publishing, USA.
- Ch. Sunil Kumar, A.Govardhan and C.V. Guru Rao - A Framework for Integration and Standardization of Data from Heterogeneous Sources, Lambert Academic Publishing, USA.

Dr. M. Sreenivasa Rao

- Peeling Design Patterns by Prof. M. Sreenivasa Rao, Narasimha Karumanchi, CareerMonk Publications, First Edition, 2012, Hyderabad.
- Writing lessons for the subject “Advanced Computer Architecture” for 3/4 B.TECH (CCC) CSE and completed four units out of ten units.
- Elements of Computer Networking: An Integrated Approach, CareerMonk Publications.

Dr. K.Chandra Sekharaiah

- Ergonomics: An Introduction, ICFAI University Press, Chapter 5: "Computer Ergonomics: Relooking at Machines Vs. Environment"

* Books with ISBN with details of publishers

* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

* Citation Index – range / average : Nil



- * SNIP : Nil
- * SJR : Nil
- * Impact Factor – range / average : Nil
- * h-index : Nil

23. Details of patents and income generated

Patents by Dr. A Govardhan

- A Method to Authenticate Users in Multi-Server Environment, Mohammed Misbahuddin, P. Premchand and A. Govardhan, Published in The Patent Office Journal on January 13, 2012.
- A Two-factor Password-based Authentication Method for Web Users, Mohammed Misbahuddin, P. Premchand and A. Govardhan, Published in The Patent Office Journal on April 20, 2012.
- A Secure and Usable Text-o-Graphic Password Method to Authenticate Web Users, Mohammed Misbahuddin, P. Premchand and A. Govardhan, Published in The Patent Office Journal on April 20, 2012. (A product called STAR has been developed by C-DAC based on this work)
- A Novel Method and System for Detecting Near Duplicates for Both Web Documents and Normal Documents, V. A. Narayana, P. Premchand and A. Govardhan, Published in The Patent Office Journal on February 21, 2014.

24. Areas of consultancy and income generated

Name of the Faculty	Project name	Year	Duration	Name of the organization	Amount
Dr. SVL Narsimham	AIABOA portal automation & maintenance	2012	4 months	All India Allahabad Bank officers association	Rs.60,000
	Sharp Microtechnologies-Exam automation software	2012	3 months	Sharp Microtechnologies Pvt ltd Hyderabad	Rs.20,000
Dr. M. Sreenivasa Rao	Load, Functional and Performance tests for Rajiv Internet Village(E-Seva)	2006	--	--	Rs.40,000
Dr. A. Govardhan	Implementation of Telugu in IT on	2013	--	Project by Ministry of IT,	Rs 4.6 Lakhs, Team Size –



	"Named Entity Error Detection on English-Telugu cross lingual Text",			Government of A.P., Completed in 2013	5 Members)
Department In charge: Mr. G. Praveen Babu Mr. K. Suresh Babu	CCNA Discovery Programme	2011	4 months	CISCO	Rs. 2,74,000
G. Narsimham	Internships (MCA & M.Tech students)	2011	6 months	IT companies	Rs. 2,88,000
G. Praveen Babu	Internships (MCA & M.Tech students)	2011	6 months	IT companies	Rs. 6,00,000
K. Suresh Babu	Internships (MCA & M.Tech students)	2011	6 months	IT companies	Rs. 12,000
Total amount earned through Consultancy					Rs. 52,02,000

25. Faculty selected nationally / internationally to visit other laboratories / institutions industries in India and abroad : Nil

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Dr. A. Govardhan

1. He is a Member on Executive Council, Member on Finance Committee JNTUH, Member of Standing Committee for Academic Senate, Member of Standing Committee for Affiliation, and Member in Sports Council, JNT University Hyderabad.
2. He is a Member on Board of Studies for several Universities including JNT University Hyderabad, Satavahana University, Karimnagar, Kakatiya University Warangal, JNTU Anantapur, Sree Nidhi Institute of Science and Technology, Hyderabad and Anurag Group of Educational Institutions, Hyderabad.
3. Program Chair, CSI 49th Annual Convention (Golden Jubilee) and International Conference on Emerging ICT for Bridging the Future, 12–14 December 2014, JNTU Hyderabad.



4. Member, Technical Committee, International Conference on Research in Engineering, Computers and Technology (ICRECT 2016), September 8-10, 2016, NIT Tiruchirapally, India.
5. Member, Technical Program Committee, 2nd International Conference on Nature of Computation and Communication (ICTCC-2016), 17th – 18th March, 2016, Rach Gia, Vietnam.
6. Member, Program Committee, Fifth International Conference on Embedded Systems and Applications (EMSA-2016), January 23-24, 2016, Dubai, UAE.
7. Member, Technical Program Committee, Third International Conference on Information System Design and Intelligent Applications (EMSA-2016), 8-9 January 2016, Visakhapatnam, India.
8. Member, Technical Program Committee, 4th EAI International Conference on Context-Aware Systems and Applications (ICCASA-2015), November 26-27, 2015, Vung Tau, Vietnam.
9. Member, Organizing Committee, CSI Student Annual Convention (Golden Jubilee), 3 – 4 January 2015, Guru Nanak Institutions Technical Campus, Hyderabad.
10. Resource Person, A Two Week Programme on Software Project Management, 22nd June -2nd July 2015, Guru Nanak Institutions Technical Campus, Hyderabad
11. Member, Program Committee / Reviewer of Second International Conference on Computer Networks & Communications (CCNET 2015), April 3~4, 2015, Dubai, UAE.
12. Member, Program Committee, International Conference on Emerging Trends in Engineering, Technology & Science (ICETETS - 2015), April 2~4, 2015, Malla Reddy Institute of Engineering and Technology, Hyderabad.
13. Member, Board of Advisors, Confederation of Education Excellence, New Delhi.
14. Member, Technical Program Committee, International Conference on Computing & Communication Technologies (ICCCT-2014), 11th – 13th December, 2014, University College of Engineering, Osmania University, Hyderabad.
15. Member, Technical Program Committee, International Conference on Nature of Computation and Communication (ICTCC), 24th – 25th November, 2014, Ho Chi Minh City, Vietnam.
16. Member, Program Committee, The Fifth International Conference on Ad Hoc, Sensor & Ubiquitous Computing (ASUC–2014), 7 - 8 November 2014, Dubai, UAE.
17. Chairman, Technical Committee, The Third International Conference on Recent



- Advances in Design, Development and Operation of Micro Air Vehicles (ICRMAV – 2014), 5 -7 November 2014, JNTU Hyderabad.
18. Advisor, Faculty Development Program on Mobile Application Development, Bharat Institute of Engineering and Technology, Ibrahimpatnam, Ranga Reddy Dist.
 19. Member, National Technical Committee, 5th Annual International Conference on Infocomm Technologies in Competitive Strategies (ICT 2014) (Special Track: Software Engineering & Applications), 22 – 23 September, 2014, Singapore.
 20. Member, National Technical Committee, International Conference on Sustainability of Libraries, 25 – 27 September, 2014, University Library, JNTU Hyderabad.
 21. Member, National Advisory Board, IEEE First International Conference on Networks and Soft Computing (ICNSC–2014), 19 – 20 August 2014, Vignan University, Vadlamudi, Guntur Dist - 522 213, Andhra Pradesh, India.
 22. Member, Program Committee, First International Conference on Data Mining and Database (DMDB–2014), 8 - 9 August 2014, Pune, India.
 23. Member, National Advisory Board, National Conference on Emerging Trends in Science, Technology & Management (NCETSTM 2K14), 08 – 09 August 2014, Malla Reddy Engineering College, Maisammaguda, Dulapally, Secunderabad -100.
 24. Member, National Technical Committee, International Conference on Nano Science & Engineering Applications (ICONSEA–2014), 26 – 28 June, 2014, IST, JNTU Hyderabad.
 25. Member, Program Committee, Second International Conference of Managing Information Technology (CMIT–2014), June 14 -15, 2014, Zurich, Switzerland.
 26. Member, Advisory Committee, National Conference on Emerging Technologies in Computer Science, (NCETCS'14), 28 - 29 March, 2014, JNTUK University College of Engineering Vizianagaram.
 27. Member, Advisory and Technical Committee, AICTE Sponsored 3rd National Conference on Computer Networks & Information Security (NCCNIS-2014), 4 – 5 March, 2014, Vasavi College of Engineering, Ibrahimbagh, Hyderabad.
 28. Member, Program Committee, WARSE International Conference on Emerging Trends in Engineering Technology and Science (ICETETS 2014), 24 -25 February 2014, Malla Reddy Institute of Engineering and Technology, Ranga Reddy Dist., Secunderabad.
 29. Member, Advisory Committee, National Conference on Advances in Computing and Networking (NCACN-13), 6 - 7 December, 2013, JNTUH College of Engineering Manthani, Manthani, Karimnagar Dist.
 30. Member, Program Committee, WARSE International Conference on Emerging Trends



- in Engineering and Management (ICETEM 2013), 29 -30 November, 2013, Sree Visvesvraya Institute of Technology and Science, Mahabubnagar.
31. Member, Advisory Committee, 1st International Conference on Rough Sets and Knowledge Technologies (ICRSKT-2014), 09 – 11 November, 2014, JNTU Hyderabad.
 32. Member, Program Committee, First International Conference on Data Sciences, InDas2014, 26-28 February, 2014, VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad, India.
 33. Member, Program Committee, WARSE International Conference Emerging Trends in Engineering Technology and Science (ICETETS 2014), February 24-25, Malla Reddy Institute of Engineering & Technology, Hyderabad, India.
 34. Member, Advisory and Technical Committee, 3rd National Conference on Computer Networks & Information Security (NCCNIS-2014), 4 - 5 March, 2014, Vasavi College of Engineering, Hyderabad.
 35. Member, Advisory Committee, International Conference on Emerging Trends in Engineering and Management (ICETEM 2013), Sree Visvesvaraya Institute of Technology and Science, November 29 – 30, 2013, Mahabubnagar – 509204, India.
 36. Member, Program Committee, International Conferences on NeCoM, WeST, WiMoN 2011, July 15-17, 2011, Chennai, India.
 37. Member, Program Committee, First International Conference on Advances in Computing and Information Technology, ACITY 2011, July 15-17, 2011, Chennai, India (Springer Proceedings of Communications in Computer and Information Science).
 38. Member, Organizing Committee, JNTUH Techno Feast 2011, JNTUH, Hyderabad.
 39. Member, Program Committee, Third International Conference on Emerging Trends in Engineering and Technology (ICETET2010), November 2010, Goa, India.
 40. Member, Organizing Committee, The 14th Pacific-Asia Conference on Knowledge Discovery and Data Mining 2010 (PAKDD2010), May 2010, IIIT, Hyderabad.
 41. Member, Organizing Committee, International Conference on Information & Knowledge Engineering (IKE2010, WORLDCOMP-2010), July 12-15, 2010, Las Vegas, Nevada, USA.
 42. Member, Advisory Committee, DRDO Sponsored National Conference on Role of Cryptography in Defense, 12th February 2010, Velammal Engineering College, Chennai-66.
 43. Member, Technical Committee, 2nd International Conference on Emerging



Technologies in Computer Science and Engineering ICETCSE-2010, February 12-13, 2010, V. R. Siddhartha Engineering College, Vijayawada.

44. Member, Advisory Committee, 2-Day Workshop on Middleware Technologies, ACE Engineering College, December 11-12, 2009, Ghatakesar, R.R. Dist.
45. Member, Advisory Committee, International Conference on Advanced Computing Technologies ICACT-2008, December Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.
46. Member, Program Committee, National Conference on Artificial Intelligence 2006 (NCAI-06), 1st September 2006, GRIET, Hyderabad.
47. Life and Senior Member, Computer Society of India (CSI).
48. Life Member, Indian Society for Technical Education (ISTE).
49. Member, Association for Computing Machinery (ACM).
50. Member, Institute of Electrical and Electronics Engineers (IEEE).
51. Member, International Association of Engineers (IAENG).
52. Member, World Academy of Science Engineering and Technology (WASET).
53. Member, Free Software Foundation (FSF).
54. Member, The Data Warehousing Institute (TDWI).
55. Member, Internet Society (ISOC).
56. Senior Member, International Association of Computer Science and Information Technology (IACSIT).
57. Member, British Computer Society Information Retrieval Specialist Group.
58. Member, Asian Council of Science Editors.

Editorial Board:

1. **Editor**, Emerging ICT for Bridging the Future, Springer Proceedings of the 49th Annual Convention of the Computer Society of India (CSI) (Vol. I and Vol. II) (Advances in Intelligent Systems and Computing, Springer, Vol. 337 and Vol. 338), 2014.
2. **Member, Scientific and Technical Committee & Editorial Review Board**, World Academy of Science, Engineering and Technology, USA.
3. **Member, Editorial Board**, International Journal of Computational Intelligence and Information Security, Australia.



4. **Member, Editorial Board**, Advanced Computing: An International Journal, India.
 5. **Member, Editorial Board**, International Journal of Advanced Computing, India.
 6. **Member, Editorial Board**, International Journal of Information Technology & Emerging Science, Australia.
 7. **Member, Editorial Board**, International Journal of Advanced Research in Engineering and Applied Sciences, India.
 8. **Member, Editorial Board**, International Journal of Technology and Engineering Science.
 9. **Member, Editorial Board**, Journal of Innovations in Computer Science and Engineering, GNI, Hyderabad, India.
 10. **Member, Editorial Board**, International Journal of Advanced Science and Technology, Australia.
 11. **Member, Editorial Board**, International Journal of Emerging Technologies and Applications in Engineering Technology and Sciences, India.
 12. **Member, Editorial Board**, International Journal of Computer Applications in Engineering, Technology and Sciences, India.
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Name of the Faculty member	Orientation programs	Refresher courses	Workshops	Training programs
Dr. A. Govardhan	--	1	--	20
Dr. K. Santhisree	--	3	--	4
Sri G. Venkata Rami Reddy	--	--	12	--
Smt. M. Arathi	1	2	15	--
Sri K. Suresh Babu	1	2	12	--
Smt. V. Uma Rani	1	2	18	--
Sri N. Naveen Kumar	4	2	3	--

28. Student projects

percentage of students who have done in-house projects including inter-departmental projects

Programmes	Number of applications	Number of students admitted	Percentage



PG	MTECH(CS)	24+*5	91%	80% with in the university
	MTECH(CNIS)	24+*4	97%	
	MTECH(SE)	26+*7	95%	
	MTECH(BIO)	16	96%	
	MCA	30	98%	
TOTAL			80%	

percentage of students doing projects in collaboration with other universities industry / institute

29. Awards / recognitions received at the national and international level by (Last four years)

Dr. A. Govardhan

- Excellent Contribution Award for Golden Jubilee Annual Convention CSI 2015 for the year 2015
- Pride of Asia Award
- Star of Asia Award and
- Gaurav Chakra Puraskar for the year 2014
- Rashtriya Pragati Award
- Mother Teresa Award
- Seva Shree Award
- Bharat Excellence Award
- National Integration Award and
- Bharat Seva Ratna Puraskar for the year 2013
- A.P. State Government Best Teacher Award
- Rashtriya Pragati Award
- Mother Teresa Seva Ratna Award
- Indira Gandhi Seva Ratna Award and
- Rajiv Gandhi Seva Ratna Award for the year 2012

Dr. K. Santhisree

- Best Citizens of India Award 2015
- Excellence in Education Award, April 2015.
- Bharat Jyothi Award June 2015.
- Glory of India Gold medal Award. 2015.
- Teachers Excellence Award for Outstanding Achievement in Education

30. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any



Name of Organizers	Name of the Seminar/ Conf./ Workshop	Nat/ Int.	Sourcing of funding	Outstanding participants
Dr. M. Sreenivas Rao	Two day national work-shop on “Digital Learning Technologies”	--	JNTUH-NASS COM.	--
	Ssoftware offerings to academics 23 rd November 2013 3.image Processing of Remotely SensedData on 16 th to 28 th September 2013	NAASCOM –FTP	S P S O F T collaboration with NRDMS	50
Dr. A. Govardhan	National Conference InfoSec- 8 th March – 9 th March 2013	--	collaboration with CDAC Hyderabad and CSI Hyderabad Chapter	800
Dr. K. Santhisree	J N T U H - E x c i t e summer product workshop Faculty Training program	--	JNTUH-TASK-HYSEA	300 members
Sri K. Suresh Babu	S o f t w a r e Engineering Models and Delivery Methodologies” on.	11-02-2011	JNTUH-TCS	25

31. Code of ethics for research followed by the departments

- School of IT promotes Research in coordination with University R&D Cell.
- School of IT faculty participates in Research extensively apart from teaching.
- To monitor the Research scholars RRM & COLLOQUIMS are conducted regularly.
- University and School of IT encourage the faculty to attend national and international conferences, seminars by providing financial aid.
- Provision & encouragement for establishment of new Labs and procure necessary equipment to pursue Research work.
- University Central library is well equipped with reputed National and International Research journals.
- All relevant e-Journals are available.



- Research Methodology workshops are being conducted regularly.

32. Student profile programme-wise

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
CS	--	8	10	--	--
SE	--	7	11	--	--
CNIS	--	14	7	--	--
BIO	--	11	6	--	--
MCA	--	16	11	--	--

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MTECH- CS	--	72	--	--
SE	--	56	12	4
CNIS	--	64	8	12
BIO	--	68	--	--
MCA	--	90	3	--

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

GATE	2014-15	2015-16
CS	9	3
SE	6	3
CNIS	17	10
Bio	11	9

35. Student progression

Student progression	Percentage against enrolled
---------------------	-----------------------------



UG to PG	80%
PG to M.Phil.	--
PG to Ph.D.	--
Ph.D. to Post-Doctoral	--
Employed	
Campus selection	--
Other than campus recruitment	--
Entrepreneurs	--

36. **Diversity of staff**

Percentage of faculty who are graduates	
of the same university	--
from other universities within the State	40
from universities from other States	60
from universities outside the country	--

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Name	Designation	University	Year of completion of PhD
Dr. K. Santhisree	Professor	JNTUH, Hyderabad	2013
Dr. Venkata Rami Reddy	Assoc. Professor	JNTUH, Hyderabad	2013
Dr. Suresh Babu	Asst. Professor	JNTUH, Hyderabad	2015

38. Present details of departmental infrastructural facilities with regard to

a) Library

- Library: **Digital Library** facility for **10:00 to 5:00 Services** is available on the 2nd floor of the University Library.

Indian Journals	8	12
Foreign Journals	16	7
Peer reviewed Journals	9	5
On-Line Journals	1000	4884
E-Resources	60	60
Magazines	2000(University)	6 related to SIT library



- | | |
|---|-------|
| b) Internet facilities for all the staff and students | Yes |
| c) Total number of class rooms | : Nil |
| d) Class rooms with ICT facility | : Nil |
| e) Students' laboratories | : Nil |
| f) Research laboratories | : Nil |
39. List of doctoral, post-doctoral students and Research Associates
- | | |
|---|-------|
| a) from the host institution/university | : NIL |
| b) from other institutions/universities | : NIL |
40. Number of post graduate students getting financial assistance from the university. : NIL
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.
- School of IT was given the Autonomous status by University in 2004. Academic autonomy, which makes it to revise and modernize syllabi according to the industry needs.
 - A Separate Board of Studies is constituted with Industrialists, Academic Experts, and Senior Faculty.
 - College Academic Committee (CAC) initiates and designs the curriculum keeping in view the alumni suggestions and industry needs.
 - The designed curriculum is kept in Board of Studies meeting for further discussions and approval.
 - Finally Academic Council's approval is taken for Syllabus.
 - New curriculum is implemented. Curriculum meets the overall development of the Students.
42. Does the department obtain feedback from
- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
- Feedback is obtained from faculty ,Academic peers .Students Industry persons
 - Feedbacks are analyzed and suggestions are incorporated in academic activities
- b. Students on staff, curriculum and teaching-learning-evaluation and how does the



department utilize the feedback?

- Based on the Students feedback, Faculty will be trained under FTP(Faculty Training programs)

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

- Feedbacks are analyzed and suggestions are incorporated in academic activities
- Latest electives are introduced according to the industry needs
- Design lab assignments beyond curriculum.
- Keep abreast with Industry needs on a regular basis.

43. List the distinguished alumni of the department (maximum 10): **NIL**

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

45. List the teaching methods adopted by the faculty for different programmes:

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- Constant review of student performance by SIT and academic audit cell .
- Based on the performance levels of students certain remedies are taken:
- For slow learners - remedial classes are offered.
- Advanced learners – Advanced assignments and projects are assigned beyond the curriculum.
- Acquisition of inter disciplinary courses – bridge courses are conducted.
- Rural and foreign students – Soft Skills is introduced in the curriculum and extra care is taken by soft skills mentors.

47. Highlight the participation of students and faculty in extension activities:

- The students have published many papers and articles in National & International Journals/Conferences
- Scholarships and appreciations.
- Women Development Cell (WDC)



- Grievances Redressal Cell (GRC)
- Entrepreneurship Development Cell (EDC)
- Organization Structure
- Institute Governance
- Leadership: Creating Opportunities
- Strategy Development and Deployment
- Human Resource Management
- Financial Management & Resource Mobilization
- Best Practices

48. Give details of “beyond syllabus scholarly activities” of the department

- “Learning by doing” method is adopted.
- Faculty prepares lesson plans based on the academic schedule.
- For achieving ‘Learning by doing’ - Student : Computer System ratio is 1:1
- Teaching through ICT.
- No. of Workshops and Seminars are being organized on recent trends for the benefit of students.
- Guest lecturers are being hired for inter-disciplinary subjects.
- Adequacy of Self-Learning Facility
- Central library
- Departmental library
- Digital library
- Access to laboratory beyond class work
- Internet facility round the clock
- Industry oriented mini projects
- Other Learning Facilities
- Video Lectures through CEEL
- Content Management
- Online e-books
- Eminent Guest Lectures



- Workshops and Seminars conducted
 - NSS
 - Placements
 - Placement & Training Cell (P&TC)
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: **NO**
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: **NIL**
- Invited Guest/Expert members from various corners of the country like IIT's, NIT's, IIIT's, and other state Universities.
51. Detail five major Strengths, Weaknesses, Opportunities, and Challenges (SWOC) of the department.

Strengths: Labs are established in wee formed manner.

- As master Trainers , we have trained people from various districts related to election duty.
- Involved in the commissioning of electronic voting machines
- Involved taking Govt initiatives like SKS() program (M.Tech PG students are also involved),
- PG students are involved in taking up govt activity like linking Adhaar car to the bank and gas account.
- Trained Mahlia-Mandali (DWAKRA) members in usage of mobile phones and Internet.
- CISCO- Trained the Trainers Programs
- BOS,SIT-Revision of Syllabus and Course structure happens to be prime reference for other autonomous and affiliated colleges.

Weakness:

- Insufficient Space for the growing Requirements.
52. Future plans of the department.
- **New PG courses are to be started.**

JNTUH School of Management Studies

**School of Management Studies**

1. Name of the Department : School of Management Studies, JNTUH
2. Year of establishment : 1989
3. Is the Department part of a School/Faculty of the university? : Part of JNTUH
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) : PG, Ph.D

S. No.	Program	Name of the Course	Specialization
1	PG	MBA	HR/Marketing/Finance
2	PG	MBA(CMU)	(Central Michigan University) USA
3	Ph.D	Ph.D	Management Sciences

5. Interdisciplinary programmes and departments involved : Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Central Michigan University, USA
7. Details of programmes discontinued, if any, with reasons : MBA(International Business), MBA(Part Time) - PTPG
Reason: Lack of response
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System : Semester- Choice Based Credit System (from 2015)
9. Participation of the department in the courses offered by other departments : Nil
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Cadre	Sanctioned	Filled	Actual (including CAS & MPS)
Professors	2	1	2
Associate Professors	0	0	1
Assistant Professors	4	3	1
Others	--	--	--



11. Faculty profile with name, qualification, designation, area of specialization and experience and research under guidance

S.No.	Name	Designation	Qualification	Specialization	No. of Ph.D s guided in last four years
1	Dr. A. Prabhu Kumar	Professor	M Tech, MBA, PhD	Industrial engineering. Human Resources Management	NIL
2	Dr. D. Raghunatha Reddy	Professor	M.Com, PhD	Finance	4
3	Dr. Sindhu	Assoc. Professor	MBA, PhD	Finance	1
4	Dr. V. M. Prasad	Professor	MBA	Human Resource Management	5
5	A. Santosh Kumari	Assistant Professor	MBA	Human Resource Management	--

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

NIL

13. Percentage of classes taken by temporary faculty – programme-wise information

S. No.	Name of the program	Percentage
1	MBA (Regular)	50
2	MBA (CMU)	50

14. Programme-wise Student Teacher Ratio 20:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Name of the designation	Sanctioned	Filled	Actual
Dy. Registrar	1	1	1
Sr. Assistant	1	1	1
Driver	1	1	1



16. Research thrust areas as recognized by major funding agencies **Nil**
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. (Last four years)

Name of the faculty	Funding agencies		Total grant received	Title of the Project
	National	International		
V M Prasad	UGC	--	7.41 Lakhs	Study of Critical Success factors for Six Sigma Implementation in Technical and Management institutions with special reference to JNTUH

18. Inter-institutional collaborative projects and associated grants received: **Nil**
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received
20. Research facility / centre with
- State recognition : Nil
- National recognition : Nil
- International recognition : Nil
21. Special research laboratories sponsored by / created by industry or corporate bodies

NIL

22. **Publications** : Total Number of Publications - 12

Name of faculty: Dr. A. Prabhu Kumar

Title of the International Journal Publications

S. No	Name of the Title
1.	Permutations and Combinations approach to Program Evaluation and Review Technique, ARPN Journal of Engineering and Applied Science, Vol. 2, NO. 6 Dec, 2007
2.	Application of Six Sigma level in delivery schedules in high volatile production environments, Int. J. Applied Systemic Studies Vol 2, No 3, 2009



3.	A Review of Friction Stir Welding of AA6061 Aluminum Alloy, ARPN Journal of Engineering and Applied Science, Vol. 6, NO.4 APRIL , 2011
4.	Practicalities of Micro Finance: Rural Women Empowerment, Int., Journal of Business and Administration Research Review, Vol 2, Issue 6, Sep 2014
5.	Complementary role of Project Management to the Marketing Activity: An empirical study of an Indian Pharmaceutical Company, Int., Journal of Humanities and Management Sciences, Vol 1, Issue 2, 2013
6.	A Study of Attrition among Network Marketing Distributors in India, AGBA, World Congress
7.	Application of Six Sigma level in delivery schedules in high volatile production environments, Int. J. Applied Systemic Studies Vol 2, No 3, 2009
8.	A Review of Friction Stir Welding of AA6061 Aluminum Alloy, ARPN Journal of Engineering and Applied Science, Vol. 6, NO.4 APRIL , 2011

Title of the National Journal Publications

S. No.	Title of the National Journal Publications
1.	Analysis of Project Success Issues: The Case of a Manufacturing S M E, The IUP Journal of Operations Management, Vol. XIV, No. 1, 2015
2.	An Empirical Study of Factors Influencing Entrepreneur: With Special Emphasis on IT Industry- Indian Journal of Applied Research
3.	Key Determinants of Successful Project Delivery in Pharmaceutical Outsourcing, The IUP Journal of Operations Management, Vol. XII, No. 3, 2013
4.	A Study on Behavioral Responses of Survivors as a Result of Downsizing and its coping strategies, Business Vision, Vol 11 No 1, Jan-Mar 2015

* Monographs	: Nil
* Chapters in Books	: Nil
* Edited Books	: Nil
* Books with ISBN with details of publishers	: Nil
* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	
* Citation Index – range / average	: Nil
* SNIP	: Nil
* SJR	: Nil
* Impact Factor – range / average	: Nil



- * h-index : Nil
23. Details of patents and income generated : Nil
24. Areas of consultancy and income generated Rs. 60,000/- Management
25. Faculty selected nationally / internationally to visit other laboratories / institutions industries in India and abroad
26. Faculty serving in
- a) National committees b) International committees c) Editorial Boards d) any other (please specify)
- Faculty served in Bureau of Indian standards, MSD5 Sectional committee
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).
28. Student projects
- percentage of students who have done in-house projects including inter-departmental projects : 100
- percentage of students doing projects in collaboration with other universities industry / institute: Nil
29. Awards / recognitions received at the national and international level by (Last four years)

Name of the Faculty/ Student	Name of the Award	Organized by	Year	Doctoral / post doctoral fellows
Ms Bina and Mr Zakir Hussain – Students , Dr V. Mohan Kumar Faculty Advisor	RBI Policy Challenge 2016 National Contest	RBI	2016	--
Director SMS	23rd Dewang Mehta award	BSA & Dewang Mehta National educational Award	2015	--

Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any



30.

Name of the Seminar/ Conf./ Workshop	Name of Organizers	Nat/ Int.	Sourcing of funding	Outstanding participants
Recent trends in retailing	SMS	National	Sponsorships	--
Two day National conference on Behavioral Finance	SMS	National	Sponsorship	Jan 2014
Two day international Conference on recent trends in Training and Development	SMS	International	Sponsorship	Feb 2014
Two day International Conference on Industrial Relations	SMS	International	Sponsorship	Aug 2014

31. Code of ethics for research followed by the departments : --

32. Student profile programme-wise

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MBA		18	10	100	100

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MBA	--	85	--	15

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? : No
Give details category-wise.



35. Student progression

Student progression	Percentage against enrolled
UG to PG	50
PG to M.Phil.	--
PG to Ph.D.	--
Ph.D. to Post-Doctoral	--
Employed	
Campus selection	--
Other than campus recruitment	100
Entrepreneurs	--

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	--
from other universities within the State	100
from universities from other States	--
from universities outside the country	--

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period **NIL**

38. Present details of departmental infrastructural facilities with regard to

- | | |
|---|------------|
| a) Library | Yes |
| b) Internet facilities for staff and students | Yes |
| c) Total number of class rooms | 6 |
| d) Class rooms with ICT facility | 5 |
| e) Students' laboratories | Yes |
| f) Research laboratories | No |



39. List of doctoral, post-doctoral students and Research Associates
- a) from the host institution/university **Nil**
 - b) from other institutions/universities **Nil**
40. Number of post graduate students getting financial assistance from the university. **14 From Government**
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. **Yes, Discussion with student faculty and other stake holders**
42. Does the department obtain feedback from
- a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? **For formulation of syllabus, training and orientation**
 - b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? **To give feed back to faculty and improve teaching standards**
 - c) Alumni and employers on the programmes offered and how does the department utilize the feedback? **Formulation of curriculum and project works**
43. List the distinguished alumni of the department (maximum 10)
- **Mr DV Manohar : Chairman Shakthi group of Industries, Hyderabad**
 - **Mr Narang : Director DRDO Retd**
 - **Mr PVK Reddy : Managing Director , PVK Industries , Hyderabad**
 - **Dr Ramakrishna Prasad Professor JNTU Hyderabad**
 - **Mr C. Ram Mohan Rao , GM BHEL R&D, Hyderabad**
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.
- **Guest Lectures by eminent persons from industry and business , workshops on skill oriented subjects like export documentation , project management , selling skills , Research methodology and SPSS are conducted to give students practical perspective**
45. List the teaching methods adopted by the faculty for different programmes. Presentations, Case studies, and best business practices.
- **Group and individual Presentations,**
 - **Case studies,**



- **Mini Projects on best business practices.**
 - **Internet assignments**
 - **Assessment of company performance through Annual report analysis**
 - **Management games**
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? Through reviews
- **Through reviews of feedback**
47. Highlight the participation of students and faculty in extension activities. Projects seminar presentations, entrepreneur ship.
- **Students and faculty are encouraged to present papers at seminars, conferences and participate in contests at state, regional, and national levels.**
48. Give details of “beyond syllabus scholarly activities” of the department. Workshops, internships, guest activities
- Students are encouraged to work on live projects during internships in summer vacation, work on paper presentations and publications**
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.
- Nil**
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- **Conducted orientation programs on Research Methodology and SPSS and export documentation**
51. Detail five major Strengths, Weaknesses, Opportunities, and Challenges (SWOC) of the department.
- Strengths:**
- Learn faculty, good infrastructure and research facilities, and good academic interaction with multi disciplinary specialists.
- Weaknesses:**
- Limited number of faculties.
- Opportunities:**
- Provisions to get research grants from various agencies, involvement of industries in the collaborative research work, availability of interdisciplinary faculty in the



campus.

Constraints:

- Approvals and procedures take longer time. Budgetary constraints

52. Future plans of the department.

- **Planning to conduct seminars , workshops , Faculty Development Programs and increase number of papers to be submitted by students and faculty in international and national seminars and publications in peer referred journals**