

Faculty Profile

1. Name : Srinivasan . P
2. Designation : Associate Professor
3. Date of Joining : 11.12.2009
4. Nature of Association : Regular
5. E mail : srinivasan@ksrct.ac.in
6. Academic Qualifications:



Course	Name of the Institution / University	Year of Passing	% of Marks	Class
Ph.D., (Groundwater)	Anna University, Chennai Awarded under the regulation 2009 of UGC	March 2018	-	-
M.Tech., (Remote sensing)	Centre for Remote Sensing Bharathidasan University Tiruchirappalli–Tamil Nadu - India	May 2001	70	First
M.Sc., (Geology)	Government Arts College, Salem-7 / University of Madras, India	April 1999	71	First
H.S.C.	Sengunthar Mahajan Hr. Sec.School,Gurusamipalayam, Namakkal, India	April 1992	75.00	First
S.S.L.C.	Sengunthar Mahajan Hr. Sec.School,Gurusamipalayam, Namakkal, India	March 1994	68	First

7. Teaching Experience

- Associate Professor : From July 1st of 2017 to till date
- Assistant Professor : From July 1st of 2010 to June 30th 2017
- Lecturer : From 11th December 2009 to June 30th 2010
- Academic Experience : 9 years 8 months
- Department belongs : Civil Engineering
- Institution currently Working : K S Rangasamy College of Technology,
Tiruchengode

8. Projects

Under Graduate

- More than 60 students in the area of Groundwater, coastal zone mapping, Geophysical surveying, flood & Groundwater potential zone mapping.

Post Graduate

- **Title:** NIL

Ph. D

- **Thesis title:** NIL

9. Publications

International Journal:

- “Morphometric analysis of Turijhalliar watershed” of Dharmapuri, India using Remote sensing and GIS technique.

Key competencies

- Nearly 14.5 years of professional experience in various domains
- In the fields of Remote Sensing, GIS, photogrammetry and Petroleum exploration, put together both industry and Academic
- Experience in Aerial Photos & Satellite image interpretation
- Good knowledge in Remote Sensing & GIS, (Aerial & Satellite Remote sensing) Applied Geomorphology and Geology.
- In applied Geomorphology Coastal zone Management (study of sea/ocean currents, sea level changes)etc.
- Remote sensing applications in Environmental pollution and Disaster management (Earthquakes, landslides) etc., by using Remote sensing & GIS.
- Pollution caused due to hazardous Mining & industrial waste,Remote sensing applications in Water resource management (surface water, Groundwater) with help of the geological structures like Fault, Fold, Joints, Shear zones etc.,
- Identify the Geological structures in order to select the suitable sites for constructing major Engineering structures, like Dams and Tunnels etc., by using Remote sensing & GIS techniques.
- Good communication skills. Fluent in English (Read and Write).

- Comfortable working with cross-functional, multi-cultural groups.
- Sincere, agile and hardworking.
- Good in planning and executing time bound projects

Research Experience

2011 January - August 2017

Ph.D., in Groundwater

Research topic : “Integrated approach for Groundwater Augmentation in Turinjhalliar watershed, Tamil Nadu, India, Using Geospatial Techniques”.

Academic Project Carried out in ISRO

M. Tech., Project : Watershed prioritization of part of Kodagu district of Karnataka, India.

Project Carried Out : ISRO/RRSSC Bangalore.

Identification of Endangering Micro Watersheds in study area By using IRS – IC LISS – III data.

With help of relevant Satellite images constructed a mosaic for the study area in order to prepare the thematic maps for that particular region, 1. Slope map 2. soilmap 3. Vegetation map 4. village boundary map 5. Road network map 6. Watershed map 7. watershed map with codes.

Watershed codes are given for each and every individual micro watershed in order to avoid the duplication of watershed treatment (same micro watershed may be treated more than once supposed to absence of proper naming of every individual micro watersheds). Based on the vegetative coverage NDVI (Normalized vegetation index) of the every micro watersheds boundaries are correlated with each other according to that the codes(Name of individual micro watersheds) were given from the range of very poor, moderately poor, poor, Normal, here the very poor code is representing the most endangered micro watershed which has to treat immediately (give the top / first priority treatment for it.

Work experience in petroleum industry

As Mud logging Engineer

List of Mud logging service rendered some of the Offshore oil Rigs

- 1. Badrinath - Offshore floater(Exploration point- Bombay high)**
- 2. Herculis – 256 (Exploration point- Rajamandry off shore)**
- 3. ONGC Rigs(Exploration point- Aswarpet –West Godavari)**

**Served mud logging companies:
Geologing**

May 2008 to 2008 July

Client : ONGC

Oil Field Instrumentation India (P) Ltd – Mumbai

August 2008 to 2010 Feb

Client : ONGC, Reliance & British Gas

Once the mud logging data of the exploratory wells are compared with the Geophysical data, based on those output data we can prepare the Geo Technical Order(GTO) Vertical profile of the subsurface lithology and oil migration from one well to another well(flow trend of oil from one structure to another structure) of that particular region with help of the GIS Technique.

Work experience with Remotesensing GIS &Photogrammetry

As a Remote sensing GIS & Photogrammetry specialist I have worked more than 15 National and International projects, out of those few of them are described briefly as follows.

Senior Spatial Data Executive – II

DSM SOFT (P) LTD

Trichy (TamilNadu)

Oct 2005 to July 2008.

Projects worked as GIS specialist are:

Project OSI (Ordinance Survey of Ireland), where the 100 years old map sheets has to updated to present ground reality for various planning and developmental activities of Ireland. Here mainly concentrating property boundary identification, all kind of road networks, reserve forest , historical monuments has to be captured with reference to the modern days Aerial photographs.

Photogrammetry Technologist

KAMPSAX INDIA (P) LTD

Gurgaon (Haryana)

September 2003 to September 2005

Projects worked

Project 1

Organization : Kampsax India Pvt.Ltd.,
Software : Socet set 4.4.2
Role : Team member

Project 2

Organization : Kampsax India Pvt.Ltd.,
Software : Socet set 4.4.2
Role : Team member

Project 3

Organization : Kampsax India Pvt.Ltd.,
Software : Socet set 4.4.2
Client : (OSGB)Ordinance Survey of Great Britain
Role : Team member
DDO : Danish Digital ortho photo

Project 4

Organization : Kampsax India Pvt.Ltd.,
Software : Socet set 4.4.2
Client : EI Salvador
Role : Team member

Project 5

Organization : Kampsax India (P) Ltd.,

Team Size : 6

Software : **Photo mod**

Spain Digital mapping.

Project 6

Organization : Kampsax India (p) Ltd.,

Team Size : Ten Members

Responsibilities : **Automatic DTM / DEM Extraction & Editing.**

Client : British Geological Survey (BGS)

Key note address

- **“Remote sensing Techniques and Applications in Groundwater potential zone mapping using Geospatial techniques.”** AICTE Sponsored programme organized by The Kavery Engineering College, Mechery, Mettur, Salem in 9th August 2017,
- **“Cognitive Satellite Geodesy and Satellite Remote sensing”** ISRO sponsored Two days, Organized by department of Electronics and Communication Engineering of K S Rangasamy College of Technology on 22 June 2017 to 23 June 2017

Guest lectures given

- **Jaganathan Charitable Trust (JCT) College Pichanur, Coimbatore,** Department of civil engineering was invited for delivering the guest lecture on Engineering geology & Structural dynamics and earthquake engineering on August 21, 2017
- **Dhanalakshmi Srinivasan College of Engineering Coimbatore,** Department of civil engineering was invited for delivering the guest lecture on Remote sensing and GIS in Feb 14, 2017
- **Jaganathan Charitable Trust (JCT) College Pichanur, Coimbatore,** Department of civil engineering was invited for delivering the guest lecture on Engineering geology & Structural dynamics and earthquake engineering on Sep 1, 2016
- **Erode Builders Educational Trusts (EBET) College, Nathakadaiyur, Kangeyam,** Department of civil engineering was invited for the guest lecture on Engineering geology and Sep 2017
- **MP Nachimuthu and Jaganathan (MPNMJ) Engineering college Chennimalai, Erode,** Department of civil engineering was invited for the guest lecture on Engineering geology 2014

Seminars, Workshops & Conference Attended

- International conference on “Nano materials and Nano Technology (NANO -15)” by department of Nano science and Technology at K S Rangasamy College of Technology Tiruchengode on 7th December to 10th, 2015 **DST sponsored.**
- National workshop on “Smart Rentable Energy Technologies: Opportunities and Challenges (NWSRT-15)” by department of civil engineering K S Rangasamy College of Technology Tiruchengode on 28th August, 2015
- IIT-Madras sponsored one week “Geo technical site investigation”, 31st Jan 2011 to 5th Feb 2011.
- Workshop on “Advances in Geo-spatial technology” conducted on Sep 30 2010 to 1st Oct 2010 by Centre for Disaster Mitigation and Management (CDMM) of Vellore Institute of Technology (VIT) University in association with ESRI India Sponsored
- Industry Institute Partnership Cell (Sponsored by AICTE, New Delhi) a National level Training Programme on “ Geographic Information System (GIS)” NTPGIS 2010 from 03.03.2010 to 06.03.2010 in Jayam College of Engineering & Technology, Dharmapuri, Tamilnadu.
- Indian Society of Geomatics (ISG2002) conference for it enabled GIS solutions, organized by Bharathidasan University & ISRO.
- Sustainable land development by using Remote sensing Technology, Organized by Bharathidasan University and sponsored by Tamil Nadu State Land use Board.
- Indian Geological Conference on coastal geomorphic problems (IGCP) sponsored by Geological Survey of India (GSI) and organized by Bharathidasan University.
- National level symposium on Cretaceous – Tertiary boundary problem held at National College, Trichy. Sponsored by ONGC, Government of India.



(SRINIVASAN.P)

Place: Tiruchengode
Date: 14.08.2019