

DR. SIMHACHALAM A.

Name	DR. SIMHACHALAM. A
Designation	Assistant Professor & Deputy Project Director (DPD), NRLMRC, NERC.
Educational Qualifications:	M.Tech (Remote Sensing); PhD in Geo-Engineering (Remote Sensing and GIS)
Experience	15 years
Major area(s) of Specialization	<ol style="list-style-type: none"> 1. Geospatial Technologies (GIS, Remote Sensing and GPS) and its applications. 2. Application of Geospatial Technologies for Planning and Management of Rural Development Schemes. 3. Evaluation of Watershed projects;
Other allied areas of experiences	Natural Resource Management using Geoinformatics; Infrastructure Planning; Terrain Modelling and Change Detection Studies; Large scale Mapping; Web GIS and Village Level Planning.
Professional Affiliation	<ol style="list-style-type: none"> 1. Life Member in Indian Society of Geomatics (ISG), SAC, Ahmedabad 2. Life Member in Indian Society of Remote Sensing (ISRS), Dehradun
Vidwan Profile	<ol style="list-style-type: none"> 1. ID No.: 272672 2. Hyperlink of Profile: https://vidwan.inflibnet.ac.in/profile/272672
Publications/articles/cases/reviews (Numbers)	<ol style="list-style-type: none"> 1. Books: 07 2. Contributed Volume: 3. Book Chapter: 15 4. Articles in Journals: 12
Research	<ol style="list-style-type: none"> 1. Sponsored Research Studies: 05 2. Consultancy Studies: 13 3. Action Research Studies: 02 4. Case Studies: 03 <p><u>Completed Studies:</u></p> <ol style="list-style-type: none"> 1. Generation, mapping and web publishing of geodatabase on shifting cultivation by rotation cycle using geo-spatial technologies: A study of seven districts of NE India.

	<p>2. GIS based Resource Mapping for fisheries development in East Siang district, Arunachal Pradesh (Sponsored by Directorate of Fisheries, Govt. of Arunachal Pradesh)</p> <p>3. Use of Geo-Informatics in Rural Roads Projects under PMGSY in the States of Arunachal Pradesh, and Assam (Sponsored by MoRD, GoI)</p> <p>4. GIS Support for Preparation of IWMP DPR- w.r.to i) Kokrajhar district, (Sponsored by DPM, IWMP, Kokrajhar, Assam), ii) Udalguri district, (Sponsored by DPM, IWMP, Udalguri, Assam) and iii) Baksa district, (Sponsored by DPM, IWMP, Baksa, Assam).</p> <p>5. Evaluation of Work phase and Consolidation Phase activities of IWMP Batch - I (Project– II), Nagaland – 22 projects (Sponsored by SLNA, Nagaland)</p>
PhD Guidance	<p>Ongoing Ph.Ds. : 2</p> <ol style="list-style-type: none"> 1. Application of GIS technology for Flood Hazard Zonation Mapping in the Lower Dikhow River Course, Sivasagar District, Assam. 2. Place of Ginger in the economy and culture of tribal communities of Karbi Anglong District, Assam.
Internship Guidance	No. Completed: 60
Workshops/Conferences	<p>Conducted As a Programme Coordinator (No): 6</p> <p>Conducted As a Joint Programme Coordinator (No): 3</p>
Trainings Conducted	<p>Conducted As a Programme Coordinator (No):</p> <p>80 Programmes in Geo-informatics Applications to Rural Development, Resource Mapping, Micro Level Planning; Planning and Monitoring/Management of Watersheds, MGNREGA, PMAY-G, PMGSY and PMKSY.</p> <p>Conducted As a Joint Programme Coordinator (No):</p> <p>75 Programmes in Geo-informatics Applications to Rural Development, NRM, Disaster Management; Micro Level Planning; Planning and Monitoring/Management of Watersheds, MGNREGA, PMAY-G, PMGSY and PMKSY.</p>
Invited Talks / Presentations	<ol style="list-style-type: none"> 1. Gauhati University: Geospatial Technologies and its Applications in Rural Development and Open source GIS applications for resource mapping.

	<ol style="list-style-type: none"> 2. KK Handique Open University: Concept of Geoinformatics, Spatial Data Analysis, Use of the various Maps. 3. Agricultural Extension Training Centre, Guwahati: Application of Remote Sensing, GIS Application and Drone application for Agri. Development. 4. Mahatma Gandhi University, Meghalaya: Use of Technology in Rural Development Schemes. 5. SIRDPR, Assam & Tripura: Geoinformatics Applications in Rural Development Programs. 6. Directorate of Fisheries, Govt. of Arunachal Pradesh: Geospatial Technologies for Planning and Management of Fisheries. 7. Cotton University, Guwahati: Open Source GIS Software and Its Applications.
Honours / Awards:	<ol style="list-style-type: none"> 1. Received appreciation letter from the Commissioner, Fisheries, Govt. of Arunachal Pradesh 2. Received appreciation letter from Secy. Dept. of RWD, Govt. of AR. 3. Received appreciation letter from Vice-chancellor, Mahatma Gandhi University, Meghalaya
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