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| <b>Staff Name</b>             | <b>: Dr.V.GOWRI</b>   |
| <b>Faculty ID</b>             | <b>: TCI19</b>  |
| <b>Designation</b>            | <b>: Assistant Professor</b>  |
| <b>Qualification</b>          | <b>: M.E., Ph.D.,</b>   |
| <b>Teaching experience</b>    | <b>: 17 Years 9 Months</b>  |
| <b>Area of specialization</b> | <b>: Irrigation Water Management</b>  |
| <b>Subjects handling</b>      | <ul style="list-style-type: none"> <li>• Strength of Materials</li> <li>• Applied Hydraulics Engineering</li> <li>• Construction Techniques equipments and practices</li> <li>• Remote sensing and GIS</li> <li>• Geographical Information System</li> <li>• Prestressed Concrete Structures</li> <li>• Concrete Technology</li> <li>• Irrigation Engineering</li> <li>• Surveying</li> <li>• Water Resources Engineering</li> <li>• Municipal Solid Waste Management</li> <li>• Prefabricated Structures</li> <li>• Advanced Concrete Technology</li> </ul> <p>Laboratory Handled:</p> <ul style="list-style-type: none"> <li>• Surveying Laboratory</li> <li>• Strength of Materials Laboratory</li> <li>• Hydraulics Engineering Laboratory</li> <li>• Engineering Practices Laboratory</li> </ul> |
| <b>Books published</b>        | <ul style="list-style-type: none"> <li>• Published a Text book on “Construction Project Management”, Scientific International Publishing House, ISBN 978-93-5625-383-4, 2022</li> <li>• Published a Text book on “Digital Image Processing”, Book Rivers, ISBN 978-93-5515-372-2, 2022</li> </ul>   |

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| <b>Journals published</b>            | : | <ol style="list-style-type: none"> <li>1. Thenmozhi, S., Gowri, V., Vignesh, A., Suganthan, S. (2020)“Experimental investigation of the effect of Nano-silica on the mechanical properties of concrete” IOP Conference Series: Materials Science and Engineering, 923(1), 012057 (Scopus Indexed).</li> <li>2. Gowri V and Thenmuhil D (2017) “Adsorption behavior of lead removal from aqueous solution on to NanoTitanium Dioxide” Research Journal of Pharmaceutical, Biological and Chemical Sciences, Vol 8 no 35.</li> <li>3. Gowri V, Lavanya V and Kaviya K (2015), “Equilibrium Study On Adsorptive Removal Of Cadmium And Nickel By Coconut Copra Meal”, International Journal of Applied Environmental Sciences, Vol 10 No. 4, pp. 1341-1354.</li> <li>4. Gowri V. and Thirumalaivasan D., (2009), ‘Evapotranspiration estimation using energy balance algorithm for pyramid-based spatially enhanced thermal infrared image’, International Journal of Applied Engineering Research, Vol 4, No 2. (Scopus Indexed).</li> </ol> |
| <b>Conference /workshop attended</b> | : | <ol style="list-style-type: none"> <li>1. Gowri.V Suhail.A , Vignesh Raj.S presented a paper titled “Adsorptive Removal Of Fluoride From Drinking Water Natural Biosorbents” in sixth national conference on emerging trends in science, engineering and technology held at Jerusalem College of Engineering, Chennai during 16.3.2018.</li> <li>2. Gowri.V presented a paper titled “ Absorption behaviour of lead removal from aqueous solution on to nano titanium dioxide” in second international conference on recent advancement in chemical environment &amp; energy engineering held at SSN College of Engineering Chennai during 23&amp;24.02.2017.</li> <li>3. Gowri V. and Thirumalaivasan D., (2016), “Evapotranspiration Estimation Using Energy Balance Algorithm For Spatially Enhanced Thermal Infrared Image” ISRS-ISG National Symposium 2016 held at Dehradun from Dec 6th to 9th 2016.</li> <li>4. “Sanitation Quality Index and its relation with Diarrheal</li> </ol>   |

Prevalence in Pallikaranai, Southern Chennai, India”  
IEEE GHTC 2013, SanJose California USA, October  
20-23 2013.

5. “Estimation of Wavelet Based Spatially. Enhanced Evapotranspiration Using. Energy Balance Approach”, Gowri V. and Thirumalaivasan D, proceedings of International SWAT Conference, IIT Delhi, July 18-20, 2012.
6. Energy Balance Based Estimation of Evapotranspiration From Spatially Enhanced Thermal Infrared Image, Gowri V. and Thirumalaivasan D, proceedings of 3<sup>rd</sup> International Perspective on Current and Future State of Water Resources and the Environment (CD-ROM), IIT Madras, Chennai, India, January 5-7, 2010.
7. Estimation of Evapotranspiration by Satellite Remote Sensing by Surface Energy Balance, Gowri V. and Thirumalaivasan D, MAPINDIA 2008, 11th Annual International Conference and Exhibition on Geospatial information technology and application held at Greater Noida, India, from 6th to 8th February 2008.
8. Two days national seminar on “Geospatial Technology Development in Natural resource and Disaster Management” at Center for Geotechnology, ManonmaniamSundaranar University, Tirunelveli, on 23.2.12 and 24.2.12.
9. Attended five days FDP on “E-Course on Hydro-Meteorological and Climate Data Analysis: Basic and Advanced Techniques” conducted by National Institute of Hydrology, Roorkee from 21.3.2022 to 25.3.2022.
10. Attended five days FDP on “Roadmap for Effective Research using Advanced Techniques and Tools (REAT2022)” conducted by National Institute of Technology, Calicut from 14.2.2022 to 18.2.2022.
11. Attended five days FDP on “Python for Machine Learning” conducted by National Institute of Technology, Warangal from 16.08.2021 to 20.08.2021.
12. Attended five days FDP on “Data Science and

Artificial Intelligence in Civil Engineering” conducted by Vellore Institute of Technology from 21.06.2021 to 26.06.2021.

13. Attended one week FDP on “NeW IPR 2022” conducted by Innovative Technology Enabling Centre (InTEC), CSIR-IMMT, Bhubaneswar from 13.6.2022 to 18.6.2022.

14. Attended one week FDP on “Modern Approach for Structural Design and Construction” conducted by Bangalore Institute of Technology from 26.04.2021 to 01.05.2021.

15. Attended one week AICTE Sponsored STTP on “Application of remote sensing in soil and ground water contamination assessment” conducted by Sri Krishna College of Engineering and Technology from 03.08.2020 to 08.08.2020.

16. Attended one week FDP on “Remote Sensing applications and current trends in Machine Learning 2022” conducted by Dr.M.G.R Educational and research Institute, Chennai from 22.06.2020 to 29.06.2020.

17. Attended one week FDP on “Refresher course on Advancements in Mechanical, Production and Civil Engineering and ICT in Teaching – Learning Process ” conducted by Sri Sai Ram Engineering College, Chennai from 13.05.2020 to 26.05.2020.

18. Attended one week AICTE Recognized FDP on “Operation research for Engineers” conducted by NITTTR Chandigarh AICTE Recognized FDP from 16.12.2019 to 20.12.2019.

19. Attended one week AICTE Recognized FDP on “Research Oriented Project work ” conducted by NITTTR Chandigarh from 24.02.2020 to 28.02.2020.

20. Attended 2 weeks training program on “Advanced Webinar: Remote Sensing for Monitoring Land Degradation and Sustainable Cities SDGs” conducted

by NASA's Applied Remote Sensing Training Program (ARSET) from 9.7.2019 to 23.7.2019.

21. Attended one week Anna University sponsored FDP on "Prestressed Concrete Structures" conducted by Rajalakshmi Engineering College from 03.6.2019 - 10.6.2019.
22. Attended 1 week training program on "High Resolution NO2 Monitoring From Space with TROPOMI" conducted by NASA's Applied Remote Sensing Training Program (ARSET) from 28.5.2019 to 3.6.2019.
23. Attended two days FDP on "Recent Developments in Engineering Materials & Nanotechnology" conducted by Tagore Engineering College from 10.12.2018 to 11.12.2018
24. Attended five days FDP on "Recent Advances in Industrial Pollution Control" conducted by SRM Institute of Science and Technology, from 12-11-2018 to 16-11-2018.
25. Attended two days FDP on "Prestressed Concrete Structures" conducted by St. Joseph's Institute of Technology, from 23.04.2018 to 24.04.2018
26. Participated in One Day National Workshop on "Automation in Civil Engineering" held on 24th March 2018 at Jeppiaar Engineering College, Chennai.
27. Participated in Two Days all India Workshop on "Optimization Tools and Intellectual Property Rights" held on 23rd and 24th of February 2018 at St. Joseph's Institute of Technology, Chennai.
28. Participated in one day workshop on "Hyperspectral remote sensing and applications" on Dec 6th 2016 at Indian Institute of Remote sensing Dehradun, India
29. Participated in "Two Week ISTE Main Workshop on Fluid Mechanics" National Mission on Education through ICT (MHRD, Govt. of India)

May 20th, 2014 - May 30th, 2014.

30. Participated in one day workshop on “R&D Project proposals-Awareness, Needs and Benefits” organized by Centre for Technology Development and Transfer, Anna University, Chennai on 26th February 2014.
31. Participated in one day workshop on “Ground Water Modelling using Visual MODFLOW” organized by VIT University on 25th January 2014.
32. Participated in two days workshop on “Advanced SWAT Workshop” held on July 16-17, 2012 organised by Texas Agri Life Research and IIT Delhi.
33. Participated in two days workshop on “Machine vision in Image Processing” at Jerusalem College of Engineering, Chennai on March 1<sup>st</sup> and 2<sup>nd</sup> 2012.
34. Participated in one day national seminar on “Modern Construction Practices in Steel and Concrete” at Vellamal College of Engineering and Technology, Madurai on 18.12.09.
35. Participated in one day Seminar on Rejuvenation of water bodies and water courses in Chennai Metropolitan Area, at Center for water resources, Anna University Chennai on March 23<sup>rd</sup> 2009.
36. Participate in one-day workshop on interlinking of urban lakes through people’s participation, at Center for water resources, Anna university, Chennai on December 5, 2005.
37. Seminar on “Expediting Interlinking of Indian Rivers Conducted” by the Alumini Association of College of Engineering, Anna university, Chennai. March 1, 2003.
38. Underwent one week training on ENVI 4.0 conducted by RSI Corporations.
39. Training course on "Remote Sensing & GIS Applications Agriculture" at Institute of Remote Sensing, Anna University, Chennai from 6.5.2002 to 17.5.2002.

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| Professional Membership | : | <ol style="list-style-type: none"> <li>1. Life Member in Indian Society of Remote Sensing (N-4707)</li> <li>2. Life Member in Indian Concrete Institute (LM 12717)</li> <li>3. Life Member in The Institution of Engineers, India (M-163248-5)</li> </ol> |
| Funded project details  | : | <p>Received a fund for the project titled “Investigation of sustainable concrete using agriculture waste as a composite material” under Students Project Scheme from Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.</p>           |

