

Name : **Dr. ARUNIMA MAHAPATRA**
 Designation: **Sr. Assistant Professor**
 B.E (Civil), M.Tech (RS & GIS), Ph.D (WRE) , MISH,MISG, MIE, MISTE .



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 Department of Civil Engineering
 Dr. L. Bullayya College of Engineering
 Resapuvanipallem, Visakhapatnam– 13

1. Academic Qualifications :

S No	Examination	Board/University	Specialization	Year	Division/ %Marks
1	PhD(Civil)	Andhra University	CIVIL Engg (WRE)	Oct 2023	
2	M Tech (Remote Sensing)	Andhra University	Remote Sensing & GIS	2005	84.3
3	B.E(CIVIL)	GITAM(Andhra University)	CIVIL Engineering	2001	67.2
4	+2 (ISC)	JVS Study Circle, Visakhapatnam		1997	74.1
5	10 th (SSC)	Kotak Salesian School, Visakhapatnam		1995	83.4

2. Professional Experience :

S No	Designation	Place of Work	Period
01	Promoted to Sr. Assistant Professor	Dr. Lankapalli Bullayya College of Engineering	1st Jan'2024 to till date.
02	Assistant Professor	Dr. Lankapalli Bullayya College of Engineering	15 th June'2012 to Dec 2023
03	Assistant Professor	Avanthi's College Of Engineering	5 th May'2011 – 5 th Jun'2012

3. Administrative Experience:

S.No	Designation	Place of Work
1	Nominated as Departmental Faculty coordinator for L & T EduTech Employability Skilling Program (ESP)	Department of Civil Engineering, Dr. Lankapalli Bullayya College of Engineering
2	Nominated as department committee member of Institutional Innovation	Department of Civil Engineering, Dr. Lankapalli Bullayya College of Engineering

	Council(IIC)	
3	Nominated as ISRO-IIRS coordinator for outreach Programmes	Department of Civil Engineering, Dr. Lankapalli Bullayya College of Engineering
4	Department member of Internal Quality Assurance Cell (IQAC)	Department of Civil Engineering, Dr. Lankapalli Bullayya College of Engineering for Women's
5	Department Maintenance Committee Coordinator	Department of Civil Engineering, Dr. Lankapalli Bullayya College of Engineering for Women's
6	Department Academics Coordinator	Department of Civil Engineering, Dr. Lankapalli Bullayya College of Engineering for Women's
7	Nominated as a member of academic audit of the Dept in PG divisions & Engineering College	Department of Civil Engineering, Dr. Lankapalli Bullayya College of Engineering

4. Fields of Research Interests : Remote Sensing and GIS Applications in Water resources, Environmental and Earth Sciences, Total Station

5. Subjects Taught : Total Station & Geomatics, Surveying, Water Resources Engineering, Remote Sensing & GIS Estimation & Quantity Surveying

6. Memberships in Committees: 1. Indian Society of Hydraulics(ISH)- LM-1493
2. Indian Society of Geomatics (ISG) .-LM-2232
3. Institute for Engineering Research and Publication - SM50197862
4. Member of Institute of Engineers(MIE) -.M-1786312
5. Indian Society of Technical Education (MISTE)-LM 139820

6. Id's : Orcid -0000-0003-1130-9196;
Microsoft – 3198150979;
Google Scholar –aAjeJiEAAA AJ;
Vidwan - 372360
Web of Science Researcher –ABY-9205-2022

7. Academic Profile :

1. Specialization : Remote Sensing and GIS, Water Resources Engineering.

2. Research Projects :

3. Titles of the Thesis Works :

4. Publications : 09

- Harikrishna Karranam, Arunima Mahapatra “Delineation Of Ground Water Potential In GVMC Area AP ,India – A Geospatial Approach. International Journal of Innovative Science Engineering And Technology, Vol.1,Issue 4, June 2014.
- Srija D, Arunima.M, Vazeer Mahmood (2017) “Real time Flood Inundation Modelling Using GIS- A Case Study of Vamsadhara River Basin in A.P & Odisha States , India “International conference paper on Environmental Management(ICEM-17) Volume II, PP : 610-620” ISBN:978-93-86819-50-5 (BS Publications)
- Arunima Mahapatra, Venkatesh Kinthala, Vazeer mahammood(2019)” Real Time Flood Forecast For Vamsadhara River Basin Through Unsteady Flow Simulation” 24th Hydro 2019 International conference Volume 1, PP 1881-1891” ISBN: 978-93-8935-484-3 (BS Publications)
- Dr.I.Siva Parvathi, Er.Arunima Mahapatra,B.Chiranjeevi (2021)” GIS Approach in Demarcating Ground Water Potential Zones- A Case study in Visakhapatnam District A.P” International conference SWRDAM 2021 held at Department of Civil Engineering Govt. College of Engineering, Aurangabad. Pp:116-123; ISBN:978-81-952843-9-9 (eBook) (Excel India Publishers)

Anita M, Vazeer Mahmood, Arunima M, M Amareswari “GIS based flood Hazard Mapping :A Case Study of Tandava River Basin ,Andhra Pradesh” The International Journal of Analytical and Experimental Modal Analysis(IJAEMA) Journal ,Volume XIII, Issue V, May 2021. [DOI:18.0002.IJAEMA.2021.V13I5.200001.015685902565](https://doi.org/10.18002/IJAEMA.2021.V13I5.200001.015685902565)

- A. Mahapatra, V. Mahmood, and K. H. V. D. Rao, “Development of real-time flood forecast model for vamsadhara river through hydrological approach,” *Int. J. Adv. Technol. Eng. Explor.*, vol. 8, no. 81, pp. 1059–1079, 2021. [DOI:10.19101/IJATEE.2021.874272](https://doi.org/10.19101/IJATEE.2021.874272)
- Arunima Mahapatra, VazeerMahammood and Venkatesh Kinthala“Unsteady flow analysis using hydrological and hydraulic models for the real-time flood forecasting in the vamsadhara river basin,“*Journal of Hydroinformatics.*,Vol. 00 No 0, 2022. doi: [10.2166/hydro.2022.065](https://doi.org/10.2166/hydro.2022.065).
- Dr. Arunima Mahapatra , B. Bhagath, B.Purna Prudhvi, M.Padma, T.L.V Prasad, P. Karishma “Identification Of Ground Water Recharge Zones Through Spatial Analysis” ,” International Journal for Reasearch in Applied Science & engineering Technology “ (IJRASET) ISSN:2321-9653; IC Value: 45.98; ;Volume 12 Issue III Mar 2024 .Available on www.ijraset.com
- Dr. Arunima Mahapatra, M.Murali Raghav, P D Sampath Vardhan, B.V Durga Reddy , K.Tejaswi, D. Bangaru Dora “ Incorporating Tire Dust in Road Works” International Journal for Reasearch in Applied Science & engineering Technology “ (IJRASET) ISSN:2321-9653; IC Value: 45.98; ;Volume 12 Issue III Mar 2024 .Available on www.ijraset.com

- 5. Books (Published/ Edited) :** 1. Remote Sensing & GIS, Publisher: Infinite Research
ISBN: 978-81-97, 28-02-2024
2.Modelling and Simulation of Double Girder Gantry Crane

6. Doctoral (PhD) Theses Guided / Guiding:

7. M.E / MTech (Thesis Works) Guided: 05

8. Project Works Guided (For B.E. (Civil-Env.Engg) students): 12

S.No	Title of the Project work	Name of the Students	Year
01	Delineating ground water potential zones using Remote sensing & GIS techniques A case study of GVMC	Ms.S.VinayaSaranya Ms.SK.Munnima Ms.G.Shravani Ms.S.Prathyusha Ms.T.Gnaneshwari	2014
02	Analysis Of Cost Of Different Components Of A Building In The Total Cost	Ms R.Tejaswi Ms U.Ramya Ms M.Vijaya Ms P.Kalyani Ms V.Jayasree	2016
03	3D WEB GIS Application For Flood Modeling Using Open Source Qgis Software	Ms M.Santosh pavani Ms P.Prabhavathi Ms T.Roja Ms S.Ganga bhavani Ms Y.Taruni	2017
04	Cost Analysis Of Different Components Of The Bridge (Flyover) From The Total Cost	Ms Alekhya N.S Pinnamaraju Ms G. Vennela Ms K. Vijaya Lakshmi Ms V. Priyanka	2018
05	A Spatial And Temporal Analysis Of Meghadrigedda Reservoir: Visakhapatnam District, Andhra Pradesh	Ms P. Harika Ms J. Sravani Ms M.Jyoshna Devi Ms P. V. Anasuya	2018
06	Facility Planning And Layout Designing of Railway Yard	Ms Sai Deepika Ms.laasya sree Roy Ms.M.Lavanya Ms.N.Devi Reddy Ms.L.Alekhya Ms.Sandhya Rani	2019

07	Virtual 3D Campus Using GIS And Civil Engg. Techniques	Ms Rishita Bonu Ms G.Anuradha Ms L.Kusuma Ms M.Vijaya Ms K.Shanti. Ms K.Devi Supriya Ms S.Bharathi Lakshmi	2020
08	Geospatial Study On Site Suitability For Improvement Of Sustainable Urban Development In GVMC, Visakhapatnam District.	Ms Sudha Ms Sravani Ms K.Sashirekha Ms.Deekshitapriya	2021
09	Bituminious Mix Design Using Waste Plastic by Marshal Method	Ms A.R Baseera Ms.G.Pavithra Ms. K.Sai Deepthi Ms.L.Priyanka Ms.N.Gayatri Ms.Sk.Haseena Begum	2022
10	Signal Design By Using Webster Method in Adavivaram Junction	Ms. B. Pallavi Ullasini Ms. P.Pallavi Ms.S.Sivani	2023
11	Identification Of Ground Water Recharge Zones Through GeoSpatial Analysis	B. Bhagath, B.Purna Prudhvi, M.Padma, T.L.V Prasad, P. Karishma	2024
12	Crumb Rubber Modified Bitumen Analysis	M.Murali Raghav, P D Sampath Vardhan, B.V Durga Reddy , K.Tejaswi, D. Bangaru Dora	2024

9. Training Programmes Attended

S.No	Title of the Programme	Sponsored By	Period
1.	Completed NPTEL Online Certificate Course on Academic Writing in	SWAYAM (NPTEL)	March 2021.
2.	Short Term Training Programme online in "Flood Risk Management "	Sardhar Vallabhai National Institute Of Technology(SVNIT) , Surat	March 1 st to March 6 th 2021
3.	Short Term Training Programme in "Advances in Flood Modelling"	Sardhar Vallabhai National Institute Of Technology(SVNIT) , Surat	Dec 9 th to Dec 13 th 2019

10. Seminars/ Conferences/Workshops/ Training Programs Organized :

S. No.	Dates	Name of The Programme	Host Institution	Role
1.	17 th June -22 nd July 2023	One week FDP on “Innovation And Advanced Learning In Civil Engineering”	Dr.Lankapalli Bullayya college of Engineering	Member
2	31 st to 4 th Sep 2020	Five Day Faculty Development Programme on “Education 4.0-Digital teaching & Learning”	Dr.Lankapalli Bullayya college of Engineering	Coordinator
3.	27 th July to 31 st July 2020	Five Day Faculty Development Programme on “Recent Trends and Innovations in Civil Engineering”	Dr.Lankapalli Bullayya college of Engineering	Co-Convenor

11. Expert Lectures / Chair Person:

S.No	Title of the Programme	Role & Venue	Period
1.	One Week Online FDP on ‘WATER RESOURCE MANAGEMENT’ 15 th July to 19 th July	Key Note Speaker @ (GMRIT)	17-7-2020

12. Seminars/ Conferences/Workshops/Symposiums Participated :

S. No.	Dates	Name of The Programme	Host Institution
1.	18 th to 22 June 2024	A Five Day Online FDP on 2 nd Series Geotechnical Engineering Practices and its Sustainable Development 2024	Ballari Institute of Technology & Management, Ballari
2.	18- 22 nd March 2024	A Five Day Online FDP on Sustainable Construction Materials Practices and Technologies	Sir M.Visvesvaraya & Technologies
3.	17 th -22 nd July 2023	One week FDP on “Innovation And Advanced Learning In Civil Engineering”	Dr Lankapalli Bullayya College of Engineering
4.	26 th June -1 st July 2023	A Five Day Workshop on “Accreditation Process and Outcome based Education for quality Improvement in Teaching , Learning & Research”	Dr Lankapalli Bullayya College of Engineering
5.	19 th -23 June 2023	A Five Day Hybrid Capacity Workshop” Decarbonising India’s Transportation System”	IIT Kharagpur and ITF ,OECD(paris)
6.	April 18-22 nd 2022	A Five Day Workshop on “ Application of GIS,GPS & Drones”	Department of Civil Engineering GVP

			Madhurwada
7.	March 8 th -9 th 2021	International conference on “SWRDAM 2021 “	Department of Civil Engineering Govt. college of Engineering, Aurangabad
8.	March 1 st -6 th 2021	Short Term Training Programme on “Flood Risk Management”	Department of Civil Engineering SVNIT Surat
9.	Feb 22 nd to 24 th 2021	Three day workshop on “Urban Storm Management”	Department of Civil Engineering Andhra University ,
10.	20 th Jan 2021	National Level webinar on “Gender Sensitization for societal change”	Dr Lankapalli Bullayya College of Engineering
11.	30 th & 31 st Dec 2020	National Level webinar on NAAC- Criteria III ON “Research, Innovations & Extensions” NAAC- Criteria IV ON “Infra structure and learning resources”	MES College, ERUMELY
12.	31 st -4 th Sep 2020	Organised and participated in FDP on “Education 4.0- Digital teaching & Learning”	Dr Lankapalli Bullayya College of Engineering
13.	7 th -11 th Sep 2020	National Faculty Development Program on “Hydrological Modelling using RS & GIS with spatial reference to climate change”	Department of Civil Engineering Andhra University
14.	15 th -19 th July 2020	International Webinar on “Climate change impact on water resources management & Environment”	Department of Civil Engineering . Andhra University
15.	29 th June- 3 rd July 2020	Faculty Development Program on “Performance of Reliable materials in concrete”	AITAM ,Tekkali
16.	21 st – 24 th July 2020	National Staff Development Program on “Environmental Resources Management towards Sustainability”	Department of Civil Engineering . Andhra University
17.	27 th -31 st July 2020	Organised and Co-Convenor for the FDP on “Recent Trends & Innovations In Civil Engineering”	Dr Lankapalli Bullayya College of Engineering
18.	13 th -17 th July 2020	Faculty Development Program on “Water & Environmental modelling using MIKE , RS & GIS Applications	Satya Institute of Technology and Mangament, Vizianagaram
19.	10 th -15 th June 2020	Faculty Development Program on “Moodle Learning Management System”	JNTUH College of Engineering ,Sultanpur
20	2 nd -7 th June 2020	Faculty Development Program on “Recent Advances in Civil Engineering”	VJTI, Mumbai & Engineering College Ajmer, Rajasthan
21	8 th – 10 th June 2020	Three Day Workshop on “Current Development in Civil Engineering: Need for Sustainable Design”	Lingayas Institute of Mangement and Technology , JNTU,

			Kakinada
22	1 st – 6 th June 2020	Faculty Development Program on “Emerging Technologies in Civil Engineering”	JB Institute Of Engineering And Technology, Hyderabad
23	6 th June 2020	Workshop on “Creating Virtual Classroom using Google tools”	Formlelo , New Delhi
24	22 nd -23 rd May 2020	Two Day Workshop on “Teaching & Training with Google classroom”	Dr Lankapalli Bullayya College of Engineering
25	20 th -25 th May 2020	Faculty Awareness Program on “Research Methodology”	Shri Chhtrapati Shivajiraje College Of Engineering, Pune
26	21 st -23 rd May 2020	Faculty Development Program on “Outcome Based Education System”	Lendi Institute Of Engineering And Technology, JNTU Kakinada
27	February 9 th 2019.	One Day Workshop on “ DRONE – BASED AERIAL SURVEY”	Dept of Civil Engg, GVP , Madhurwada
28	Feb11 th – 15 th 2019.	Five Day Faculty Development Program on “AUTODESK AUTOCAD”	In association with ICT ACADEMY at GVP Rushikonda
29	22 nd Feb 2019	International workshop on “Waste Management: Trends And Challenges”	Andhra University
30	12 th -13 th March 2019.	Two Day Seminar on “ Geospatial Technology For Environmental Sustainability At Indian Scenario”	Kallam Haranadhareddy Institute Of Technology
31	Dec 18 th to Dec 20 th 2019	24 th Hydro 2019 International Conference	Osmania University (OU),Hyderabad
32	Nov 27 th -30 th 2017.	International conference on Environmental Management	Hyderabad
33	15 th September 2016	Participated in conference on “ Civil Engineering for Sustainability “	Andhra University
34	22 nd Dec 2016	One Day training program me on” 21st Century Professional Skills” under TEQIP Phase -11	Andhra University
35	29 th -31 st Jan 2016	InDACON -2016 International workshop on DESALINATION	Andhra University

13. Social Commitments: To motivate and encourage the student community.