

Detailed Bio-Data of Mr. Mahesh Devidas Phalke

Name: Phalke Mahesh Devidas
Designation: Assistant Professor
Department: Department of Geology & Geoinformatics
Institution: Shri Shivaji College of Arts, Commerce and Science, Akola.
E-mail: phalkemahesh8@gmail.com
Date of birth: 5th July 1993



Educational qualifications:

Degree	Institution	Field(s)	Year	Division/Rank
S.S.C.	Navin Madhyamik Vidyalaya Georai.	General	2009	Second (56%)
H.S.C.	R.B. Attal College Georai.	MATHS, CHEM, PHY, COMP. SCI.	2011	Second (69%)
B.Sc.	Dr. B.A.M.University, Aurangabad.	Geology , Physics & Maths	2014	First (80%)
M.Sc.	Osmania University, Hyderabad.	Geology	2016	First Rank (84%) with Distinction
SET	Pune University	Geology	2018	-----
Ph.D.(Registered)	S.G.B.A.University Amravati	Geology	2020	On Going

Research/training/teaching and administrative experience:

Duration	Institution	Designation	Nature of work done
16/05/2017 to 31/07/2018	CSIR-NGRI, Hyderabad	Project Assistant Level-II	Mainly Fieldwork in all parts of the country as per the project requirements.
24/09/2018 to 20/09/2019	CSIR-NGRI, Hyderabad	Project Assistant Level-II	Work assigned as per the project requirements.
23/09/2019 to Till date	Shri Shivaji Science College Akola	Assistant Professor	Teaching to U.G. & P.G. Students
02/01/2019 to Till date	S.G.B.A. University	Research Scholar	Research work related to Ph.D.

Project Title: Use of Geophysical techniques such as Ground Penetrating Radar (GPR), Multi-Channel Analysis of Shear Waves (MASW), and Refraction Survey to identify active Faults, Stiffness of the ground and Exploration of Ground Water.

Research Specialization: Hydrogeology and Geophysics.

Awards/prizes/certificates/Seminars/Conferences etc. won:

- (a) Awarded by **Maharashtra State Award in 2007.**
- (b) Completed a certificate course of Maharashtra State Certificate Course in Information & Technology (**MS-CIT**) in **2009.**
- (c) Awarded by **Central Sector Scholarship** for the merit in 2011.
- (d) Completed a Certificate course in **GEMOLOGY** under the career oriented programme of the U.G.C. in 2011-2012 implemented by Deogiri College Aurangabad.
- (d) Attended one day workshop on “**Jalvyavsthapan Va Bhartatil Nadyajod Prkalp**” in Deogiri College Aurangabad in 2012.
- (e) Completed a certificate course of Government Commercial Certificate Examination in the Year 2014 of **English type writing with the speed of 30words/minute.**
- (f) Attended One day International Conference on “**Role of Earth Science in Modern Time**” in 2015.
- (g) Successfully completed a **field training at Chitradurga Field Training Center** Under the **guidance of Seniour Geologist of Geological Survey of India** in 2015.
- (h) Attended a National Seminar on “**Emerging Trends in Geosciences**” in 2015 organized by P.G. Department of Geology, Osmania University Hyderabad.
- (i) Successfully attended a Hutton India Conference 2016 on the Origins of Granites of India & “**Present is Key to the Past**” evidences from Indian Geological formations.
- (j) Completed 2 Months **AMD-Atomic Minerals Directorate studentship programme** on “**Geological cum radiometric Mapping and Borehole Core logging around Mathampalle-Mellacheruvu, Nalgonda district Telangana** in 2016.
- (k) Successfully carried out **GPR Survey to detect fault and Trenching survey in Chutka village, Mandla District Madhya Pradesh for Nuclear Power Plant by NPCL** in 2017.
- (l) Successfully **completed 12+ Months work in CSIR-National Geophysical Research Institute Hyderabad** as Project Assistant level-II Under the project of **MLP-6403-28(FTT/DSN)** from 16/05/2017 to 31/07/2018.
- (m) Successfully qualified the **State Eligibility Test (SET)** Examination conducted by Savitribai Phule University of Pune former Pune University in 2018.
- (n) Successfully completed **Fieldwork of Subsurface charecterisatiion of Faults** with the help of geophysical technique in areas of Dehradun, Ramnagar and Uttarakhand in 2018.
- (o) Successfully done the work in **Jaintia Hills, Meghalaya to conduct the geophysical studies in lumthari (Meghalaya) Mine Site as one of the Rescue member** from NGRI in 2018.
- (p) Successfully Completed work of **Ground Stiffness measurements with the help of Multi-Channel Analysis of Shear Waves (MASW) in an around of Dehradun Uttarakhand** in 2018.
- (q) Successfully participated in **Geophysical Field Work (MASW) for Relience Gas Pipelines Project near Hajira Port Surat** in 2018.
- (r) Successfully participated in one day online workshop titled “**Satellite data access from online data repositories and ISRO Bhuvan geoportal**” conducted by this institute on 2019.
- (s) Awarded certificate on having completed the online course on “**Principles of Polarimetric SAR Remote Sensing and its Processing**” was conducted by Indian

- institute of Remote Sensing (IIRS) in 2019.
- (t) Successfully completed the online course on **“Hyperspectral Remote Sensing and its Applications”** Conducted by Indian institute of Remote Sensing (IIRS) in 2019.
 - (u)
 - (v) Successfully carried out **MASW and Refraction Survey** along a no. of profiles to detect active fault or Fracture in parts of Uttarakhand such as Dehradun, Ramnagar etc in 2019.
 - (w) Successfully completed **the 12 months Project work In CSIR- National Geophysical Research Institute Hyderabad as Project Assistant level-II** Under the project titled **“Safety and Security of Vital Installations”** Project no. HCP0017 (DSN) from 24/09/2018 to 20/09/2019.
 - (x) Successfully completed a **field work on Veldurti-Kalva-Gani (VKG) fault; Eastern Dharwar Craton (EDC); Cuddapah basin** with the help of MASW and aeromagnetic Survey in 2019.
 - (y) Successfully attended a National conference on **“Recent advances in Physical and Mathematical Sciences”** organized by Shri Shivaji Arts, Commerce and Science Akola on January 18th 2020.
 - (z) Successfully completed a 4 week Induction/Orientation Programme for **“Faculty in Universities/Colleges/Institutes of Higher Education”** from June 26 – July 24, 2020 and obtained A+ grade.
 - (aa) Successfully attended a National workshop on **“Recent Advances in Geosciences”** conducted by Dept. of Geosciences Dr. B.R. Ambedkar University Itcherla Shrikakulam, on 31 July 2020.
 - (bb) Attended a **International Webinar Series on Climate Change and Rural Development in COVID-19 (CCRD-2020)** jointly organized by School of social science and school of Earth sciences on 7 to 10 August 2020.
 - (cc) Successfully completed an Online Faculty Development Program on, **“Earth & Environment Responses during COVID-19”**. The program held between **11.07.2020 to 17.07.2020**.
 - (dd) Received the confirmation from **IIRS ISRO for the conduction of Outreach Programs as a Coordinator for the nodal center of Shri Shivaji College of Arts, Commerce & Science Akola** on 14.09.2020 onwards.
 - (ee) Successfully got accepted a Research Paper on **“Appraisal of Veldurti-Gani (VKG) Fault, Cuddapah Basin, India: Gravity and Magnetic approach”** in the **Journal of Earth System Science**, With an **Impact Factor of 1.423**. Accepted on 6 October 2020.
 - (ff) Successfully Participated as an Organizing Committee Member of an **“International E-Conference on Innovative Research Trends in Life Sciences”** Organized by Dept. Of Life Sciences, Shri Shivaji Science College Akola on Date 03.12.2020 to 05.12.2020.
 - (gg) Successfully attended One Day Online Workshop on **“Intellectual Property Rights (IPR)” IQAC & Research Assessment Committee (RAC)** of Shri Shivaji College of Arts, Commerce & Science Akola in collaboration with IPR Cell (Sponsored by RGSTC), Sant Gadge Baba Amravati University, Amravati on 20 January 2020.
 - (hh) Successfully coordinated the one day online workshop on **“Space Technology and its Applications”** conducted by **IIRS Outreach programme** conducted by **Indian Space Research Organization** through this institute on January 11, 2021.
 - (ii) Successfully attended **3 day International E-workshop on Advanced Micropaleontology** Organized by department of Geology and environmental Sciene Christ College (Autonomous) Irinjalakuda, kerala, India in collaboration with

- (jj) Department of Geology, University of Madras, Chennai, India on 25-27 August 2020. Attended a National webinar on **“Geomagnetic Field In Geosciences”** conducted by Dept. of Geosciences, Dr. B.R. Ambedkar University Itcherla Shrikakulam on 4 September 2020.
- (kk) Successfully Completed Faculty & Student Development programme on **“The Role Of Science & Spirituality for a Harmonious and Fulfilling Human Community”** from 15 March 2021 to 19 March 2021.
- (ll) Successfully Coordinated more than 10 IIRS Outreach programs conducted by IIRS ISRO till 11 July 2021.
- (mm) Successfully Participated in International virtual Conference on **“New Challenges & Opportunities in the field of Education, Science, Management, Commerce, Humanities, Agriculture & Technology in the Current Scenario”** on 30 May, 2021.
- (nn) Successfully Participated in workshop on **Groundwater Recharge & Management, Water Quality Analysis, Geophysical Survey Methods** organized by Department of Geology, Shri. Shivaji Science College, Amravati and Groundwater Survey and Development Agency (GSDA), Amravati on 24th August, 2021 from 12Pm to 3Pm.
- (oo) Successfully completed **INTER-DISCIPLINARY ONLINE TWO - WEEK REFRESHER COURSE/FACULTY DEVELOPMENT PROGRAMME** on **“Managing Online Classes & Co- creating MOOCS 7.0”** from 05 - 19 August, 2021 and obtained Grade A+.

The TECHNICAL SKILLS:

- English type writing with 30 words/minute speed.
- ArcGIS software
- RADAN 7 software
- Ground Penetrating Radar (GPR)
- MASW (Multi Channel Analysis of Shear Waves) and Refraction Survey
- GPS
- Brunton