Nitte Meenakshi Institute of Technology

(AN AUTONOMOUS INSTITUTION AFFILIATED TO VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM)
PB No. 6429, Yelahanka, Bangalore 560-064, Karnataka
Telephone: 080- 22167800, 22167860, Fax: 080 - 22167805

Department of Computer Science and Engineering

Couse name: Major Project

Course Code: 14CSP84

Project Title: Water table analysis using machine learning

Self-Assessment of PO-PSO Attainment. – Project Work.

Programme Outcomes (PO)	Justification
PO1. Engineering knowledge:	Machine learning technology
PO2. Problem analysis:	Determine the ground water levels in various districts of Karnataka
PO3. Design/development of solutions:	Build a machine learning model using data driven techniques
PO4. Conduct investigations of complex problems:	1. Designing the dataset from the data collected via various sources. 2. Removing null values from the generated Datasets. 3. Applying different methodologies to predict Groundwater levels.
PO5. Modern tool usage:	Anaconda, Spyder, various python libraries
PO6. The engineer and society:	Helped contribute what we have learnt in our engineering to the society
PO7. Environment and sustainability:	Will contribute to sustainable development of water levels and monitoring digging of bore wells
PO8. Ethics:	Responsibility, respecting each other, honesty
PO9. Individual and team work:	Individually all 3 of us divided the literature survey and the understanding of three algorithms equally (later explained to each other). The implementation, presentation and word report as a team effort
PO10. Communication:	Updated each other through face to face discussion, mails, WhatsApp and hangouts.

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PO11. Project management and finance:	Project was completed with help and guidance of our guide
PO12. Life-long learning:	Importance of Team work, patience and to be hard and smart working

Programme Specific Outcomes (PSO)	Justification
PSO 1: Professional Skills	Teamwork, time management, project management
PSO 2: Problem Solving Skills	researching, analytical, decision making
PSO 3: Ethics and Career Development	Honesty, patience, confidence, improved oral skills

Signature of the Guide