

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**"Jnana Sangama" Belagavi – 590010**



**PROJECT REPORT ON**

**“PREDICTION OF BEHAVIOUR OF SUSTAINABLY  
DEVELOPED BUBBLE DECK SLAB USING ANN”**

**Submitted in partial fulfilment of the requirements for the award of degree**

**BACHELOR OF ENGINEERING**

**IN**

**CIVIL ENGINEERING**

**Submitted By**

**KH. ABDUL RAJAQUE SHAH 4AL20CV006**

**NAOREM PRASANTA SINGH 4AL20CV012**

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**PRIYA H 4AL21CV401**

**Under the Guidance**

**Ms. ANUSHA B RAO**

**Assistant Professor**

**Department of Civil Engineering**



**DEPARTMENT OF CIVIL ENGINEERING**

**ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY**

**MOODBIDRI – 574 225.**

**2023-2024**

**ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY**  
**MOODBIDRI – 574 225**  
(Affiliated to VTU, BELAGAVI)  
**DEPARTMENT OF CIVIL ENGINEERING**

**CERTIFICATE**

*Certified that the project work entitled "PREDICTION OF BEHAVIOUR OF  
SUSTANABLY DEVELOPED BUBBLE DECK USING ANN" is Bonafede work  
carried out by*

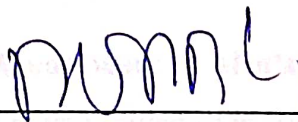
**KH. ABDUL RAJAQUE SHAH**  
**NAOREM PRASANTA SINGH**  
**PALLAVI VEERAPPA SUDI**  
**PRIYA H**

**4AL20CV006**  
**4AL20CV012**  
**4AL20CV014**  
**4AL21CV401**

in partial fulfillment for the award of BACHELOR OF ENGINEERING in **CIVIL ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year 2023–2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.



**Signature of the Guide**  
**Ms. Anusha B Rao**



**Signature of the H.O.D**  
**Prof. Durgaprasad Baliga**



**Signature of the Principal**  
**Dr. Peter Fernandes**  
**PRINCIPAL**

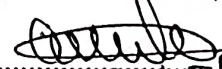
**Alva's Institute of Engg. & Technology,**  
**Mijor. MOODBIDRI - 574 225, D.K**

**EXTERNAL VIVA**

**Name of the Examiners**

1. Ms. Anusha B Rao
2. Dr. Ganesh Moganur

**Signature with date**

29/08/24  
  
29/8/2024