



# BMS

## COLLEGE OF ENGINEERING

Affiliated to VTU | Approved by AICTE | Accredited by NBA & NAAC

### DEPARTMENT OF MECHANICAL ENGINEERING

P.B. NO.: 1908, Bull Temple Road,  
Bengaluru-560 019, Karnataka, India  
Phone : +91-80-2662 2130-35  
Fax : 080-26614357 Extn.: 119  
URL : [www.bmsce.ac.in](http://www.bmsce.ac.in)

To whomsoever concerned,

This is to certify that Guru Nanma P of BMSCE Computer Science and Engineering Department is working as an undergraduate Research Assistant at BMSCE under me. This research project is being done in collaboration with ARTPARK, promoted by Indian Institute of Science, Bengaluru. She is currently engaged in developing the computation and cognition aspect of the research project "**AUTONOMOUS UNDERWATER COGNITIVE SOFT ROBOT**". Her responsibilities include object detection using deep learning, development of control system using fuzzy logic and usage of computer vision for underwater bot navigation.

**Dr. VINOD C. ARALIMATTI**

Professor, M.Tech, Ph.D  
Department of Mechanical Engineering  
B. M. S. College of Engineering  
Bull Temple Road  
Karnataka, INDIA | Bengaluru - 580 019  
e-mail ID: [vca.mech@bmsce.ac.in](mailto:vca.mech@bmsce.ac.in)  
Phone: +91 – 98802 94667 (Mobile)

DATE: 24 November, 2021  
PLACE: BMSCE, Bengaluru