

**BHARATH INSTITUTE OF HIGHER EDUCATION AND  
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**BONAFIDE CERTIFICATE**

Certified that this project report "PERFORMANCE AND EMISSION CHARACTERISTICS OF PONGAMIA BIODIESEL WITH ZINC OXIDE NANO ADDITIVES" is the bonafide work of "JAI KUMAR VERMA (U16AM010), A.JEEVAN REDDY (U16AM019), M.SHIVA SAGAR (U16AM020), BISANI.YASWANTH SAI (U16AM701), KUTO CHUZHO (U16AM705)" who carried out the project work under my supervision.

  
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