

**Biju Patnaik University of Technology, Odisha**  
**Rourkela**



*On recommendation of the Board of Management,  
hereby confers the degree of*

**Doctor of Philosophy**

*in*

**Engineering**

*on*

**Sasmita Pani**

*who has successfully completed the prescribed requirements  
in the academic year 2019-20*

*Given at Rourkela on this day under the seal of the University.*



Date: 13 FEB 2024



*Amrita K. Patra*  
Vice-Chancellor