

### **Ph.D. Viva-Voce Examination Report**

|                                   |                                                                                                                                                        |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name of the Scholar</b>        | Mr. Dushmanta Kumar Padhi                                                                                                                              |
| <b>Registration No</b>            | 19SPHCS017                                                                                                                                             |
| <b>Name of Department:</b>        | Computer Science and Engineering                                                                                                                       |
| <b>School:</b>                    | School of Engineering and Technology                                                                                                                   |
| <b>Title of Thesis:</b>           | An intelligent conglomerate forecasting model based on the fiscal market with a blended effort of technical indicators                                 |
| <b>Supervisor</b>                 | Dr. Neelamadhab Padhy, Associate Professor,<br>School of Engineering and Technology<br>Department of Computer Science and Engineering, GIET University |
| <b>Co-Supervisor</b>              | Dr. Akas Kumar Bhoi,<br>Directorate of Research, Sikkim Manipal University, Gangtok 737102,<br>Sikkim, India                                           |
| <b>DRC Chairman</b>               | Dr. Sanjay Kumar Kuanar, Professor<br>Department of Computer Science and Engineering, GIET University                                                  |
| <b>DRC Member 1</b>               | Dr. Brojo Kishore Mishra, Professor,<br>Department of Computer Science and Engineering, GIET University                                                |
| <b>DRC Member 2</b>               | Dr. Prabin Kumar Patnaik, Associate Professor,<br>Department of Mechanical Engineering, GIET University                                                |
| <b>DRC Member 3</b>               | Dr. K. Murali Gopal, Associate Professor,<br>Department of Computer Science and Engineering, GIET University                                           |
| <b>Registrar's Nominee</b>        | Dr. Bibhu Prasad, Assistant Professor<br>Department of ECE, GIET University                                                                            |
| <b>External Examiner</b>          | Dr. Bibudhendu Pati, Associate Professor,<br>Department of Computer Science, Rama Devi Women's University,<br>Bhubaneswar                              |
| <b>Status</b>                     | Recommended to Award the degree                                                                                                                        |
| <b>Date of Defence</b>            | 02/09/2023                                                                                                                                             |
| <b>Number of offline attendee</b> | 30                                                                                                                                                     |
| <b>Number of online attendee</b>  | 35                                                                                                                                                     |





GIETUNIVERSITY SPOTLIGHT (Presenting)

Cost...

Forecast Accuracy comparison with Jaynet al [17]

| Name of the Index | Our Proposed Model (Meta LightGBM) | Jaynet al [17] |
|-------------------|------------------------------------|----------------|
|                   | MAE                                | MAE            |
| SAP094            | 0.0481                             | 0.1935         |
| RM                | 0.0164                             | 0.2453         |
| DATA              | 0.0672                             | 0.1569         |

Table 4.22 Comparison study of our suggested model with Jaynet al [17]

12:19 PM | PhD Defense Presentation of Mr.Dusmant Kum...

GIETUNIVERSITY S...  
Prahallad Kumar S...  
p sabitha reddy  
Sal siban Padhi  
Surendra Nath Bha...  
deepak ranjan mo...  
14 others  
S Gopal Krishna P...