**Classifying failure modes of steel plate girder using novel hybrid machine learning models**

Viet-Linh Tran1,2 and Jin-Kook Kim1\*

1 Department of Civil Engineering, Seoul National University of Science and Technology, 232 Gongneung-ro, Nowon-gu, Seoul 01811, Republic of Korea

2 Department of Civil Engineering, Vinh University, Vinh 461010, Vietnam

\* Corresponding author : [jinkook.kim@seoultech.ac.kr](mailto:jinkook.kim@seoultech.ac.kr).

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**Fig. S-1.** Synthetic database.

A picture containing text, clock

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Graphical user interface, application, Teams

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**Fig. S-2.** Performance of hybrid ML models.