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TO WHOM SO IT MAY CONCERN

It is here by certify that P. Likitha and B. Sai Chithra have been selected for the long-term internship program under the guidance of Prof. Rage Uday Kiran, University of AIZU, Japan. Effective from August 2020 for a period of 1 year. The research topics for each of the students is mentioned below:

S. No.	Student Name	Research topic
1	P. Likitha	Efficient discovery of periodic-frequent patterns in very large transactional databases
2	B. Sai Chithra	Efficient discovery of spatial high utility patterns in very large spatiotemporal databases

The following publication has been produced under my guidance:

1. P. Likhitha, P. Ravikumar, R. Uday Kiran, Yuto Hayamizu, Kazuo Goda, Masashi Toyoda, Koji Zettsu, Sourabh Shrivastava: Discovering Closed Periodic-Frequent Patterns in Very Large Temporal Databases. To be appeared in IEEE BigData 2020. (IEEE BIGDATA is world's top-8 conference for data mining and analytics as per h5-metric of Google Scholar,
https://scholar.google.com/citations?view_op=top_venues&hl=en&vq=eng_datamininganalysis).

Yours sincerely,

Prof. R. Uday Kiran

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