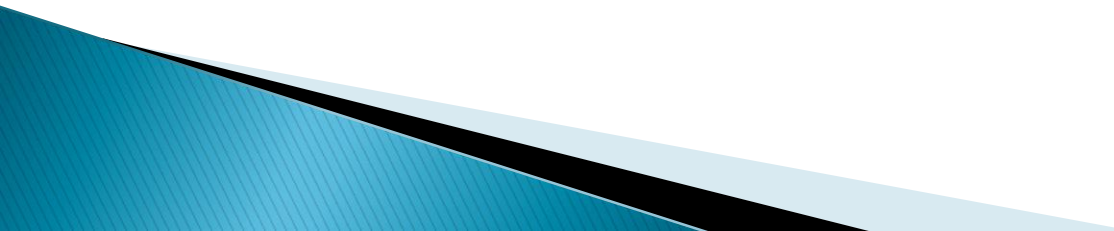


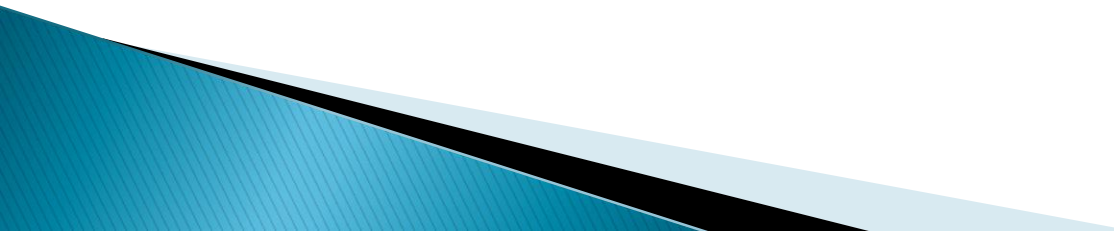
An Energy Dashboard For KReSIT

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Problem Statement

- ▶ To measure the changes in power consumption of chosen rooms effected by social messaging which induces a competition among the occupants of the rooms.
 - ▶ Ascertain whether social messaging is viable tool for controlling wasteful consumption of electricity.
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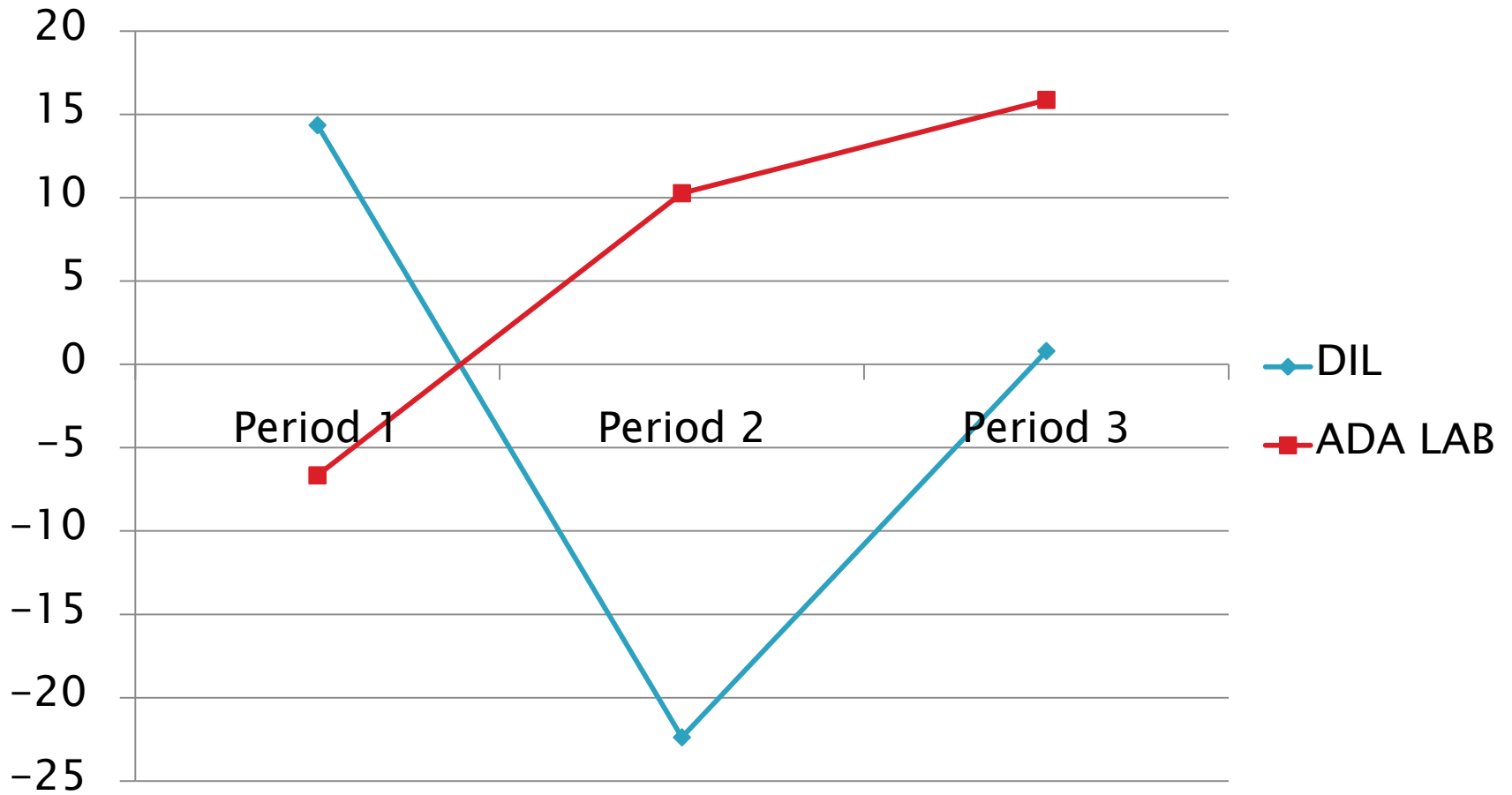
Technical Problems Solved

- ▶ Found the appropriate power meters which can save data.
 - ▶ Connected meters to correct electrical inlets.
 - ▶ Analyzed the data and displayed relevant messages on posters.
 - ▶ Observed the effect of messages on consumption patterns
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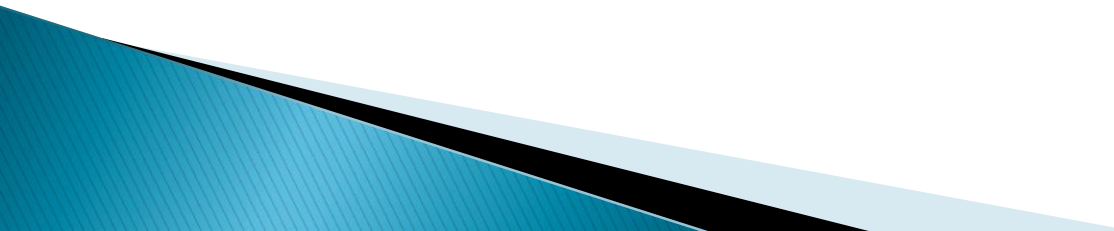
Work Promised and Done

- ▶ Energy consumption of all devices in the room was to be monitored.
 - Only Acs were monitored.
- ▶ Rooms chosen were DIL lab and Circular hall.
 - DIL and ADA lab were chosen.
- ▶ Compare power consumption of two rooms with each other.
 - Each room compared with itself.

Observations



Conclusions

- ▶ Money and Power rating
 - ▶ Effect of summer and deadlines
 - ▶ Effect on people
 - ▶ Consumption Pattern
 - ▶ Competition and rewards are great motivators
 - ▶ Who pays the bill matters a lot
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Given more time..

- ▶ Less erratic consumption patterns by aggregating over weeks instead of days
 - ▶ More insightful trends can be seen
 - ▶ Effects of summer
 - ▶ Total power consumption of rooms can be studied
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