**National Institute of Technology, Hamirpur (H.P.)**

**Innovation research incubation club**

**Innovative research project proposal format**

**Research project title**: Transformer health monitoring

**Project description**:

In this project we are measuring various parameters of transformer like temperature, oil level, moisture content as well as terminal voltage, load current, power factor, etc. If these parameters crosses the critical values than you will get alarm message in your phone. If you want than you can make it out of working in website, you can observe trend of pass data also with graphs and tables.

**Project completion time (tick or bold one option):**

* Short term (upto one semester)
* Midterm(upto one year)
* Long term (more than one year)

**Student skills required, pre-requisite (if any):**

PCB design, sensor design, embedded system web design

**Number of students required (UG/PG) for the project:** 6 UG students

**Name of faculty member:** Dr. R.K Jarial

**Department:** Electrical engineering department

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**Any other details:**

In this project a test cell consisting of oil filled conductor insulated with cellulose paper /alternate material shall be developed.

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Kailash 14291

Ashish 14454

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