Summer Internship Project 2020
(for IIT-KGP UG 2nd / 3rd Year Students)

Developing Digital Twin Model for Cryogenic Energy Storage System

✧ *Project Overview*:

- o **Design real-time and scalable digital-twin model in MATLAB Simulink/Stateflow environment**
- o **Simulate and validate thermal energy storage system at cryogenic temperature**
- o **Analyze parametric variations of cryogenic energy storage system assisted by the digital-twin**

✧ *Project Duration*:   1 month – 2 months

✧ *Eligibility*:
Motivated UG 2nd/3rd Year Students from Computer Sc. & Engg. (CSE), Mechanical Engg. (ME), Chemical Engg. (CE) and Aerospace Engg. (AE) branches (only)

✧ *Application Procedure*:
- o **Apply in Groups of TWO Students**
- o **Email 2-page CV (each applicant separately) to *rohankrdutta@gmail.com* by 15-Apr-2020**

Mentors: **Dr. Rohan Dutta (CR), Dr. Pavitra Sandilya (CR), Prof. Parthasarathi Ghosh (CR), Dr. Aritra Hazra (CSE) and Prof. P. P. Chakrabarti (CSE)**

Executed by: **Cryogenic Engineering Centre and Department of Computer Science & Engineering**

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