INDRAPRASTHA INSTITUTE *of* INFORMATION TECHNOLOGY DELHI

Invitation to MTech Thesis Defense of Sunidhi: July 25, 2019 (Thursday): 16.00-17.00 IST

In Partial Fulfillment of the Requirements for the Degree of
M.Tech CB

Sunidhi (MT17148)

Will defend her thesis

Title: "Predicting health phenotype of neonates in electronic NICU environment to identify early markers of disease physiology"

IIIT-D Faculty and Students are invited

Date: July 25, 2019 (Thursday)
Time: 16.00 – 17.00 IST
Place: CB Meeting Room (3rd Floor, R&D Building)

Examiner: **Internal:**   **Ganesh Bagler**
                 External/Internal: **Debasish Dash, IGIB**
                 Advisor: **Ashish Kumar Pandey**

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Abstract

In this project, 1837 patients' data amounting to 6000 patient days from two NICUs was collected during study duration of 12 months (January 2018 - January 2019). Suboptimal nutrition with respect to ESPGHAN guideline and medication error with respect to Neofax were analysed. Suboptimal nutrition prescription was found to be the most prevalent and medication errors had the largest impact on LOS. Each NICU was provided with star error chart to identify gaps for the quality improvement of each NICU.