



Indian Institute of Technology (Indian School of Mines), Dhanbad
The Office of Dean, Research & Development

Sanction No and Date: Capgemini Project on 9 Oct 2020	IIT (ISM) Project No. CAPGEMINI/2020-2021/730/MS	Date: 20 October 2020
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Project Internship position under the project sponsored by Capgemini Technology Services India Ltd.

Applications are invited under the sponsored project. The details of the project are as under:

Position	Project Interns
Number of Position (s)	Mechanical Engineering- 01, Electrical Engineering – 01, Electronics Engineering-01, Computer Science Engineering- 01 (Total 04 Positions)
Title of The Project	Develop and demonstrate MBSE framework on PLM and RFLP methodology for an avionics component having multi-disciplinary domains
Principal Investigator	Dr. Shikha Singh, Dept. of management Studies, IIT(ISM), Dhanbad
Tenure of Project	3 Months
Job Description (in maximum of 100 words)	<ul style="list-style-type: none">• Creating required SysML diagrams for the selected Avionics component on a tool like CAMEO or similar tool and capturing System Requirements, functional requirements, logical components and then physical components which represent the CAD component.• The requirements captured should include all design, manufacturing, service and quality parameters (similar to DFA document)• Creating CAD models, models related to manufacturing, service & quality for those sub-components as per above defined aspects.• Linking the RFLP data and created CAD structure with PLM BOM structure and to integrate it with PLM.
Essential Qualification	B.Tech./ M.Tech. in the area of Industrial Engineering, Mechanical Engineering, Electrical Engineering, Electronics Engineering and Computer Science Engineering.
Desirable Qualification	Must capable of creating CAD models and SysML diagrams in different software tools and linking them with RFLP data. Any previous work experience or project experience will be considered in the desired area.
Age and Relaxation	NIL
Fellowship	12,000 per month
Last Date & Time	26.10.2020, 10:00 PM

Shortlisted candidates will be informed on the date of interview. Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be short listed based on their merit and as per the requirement of the project. This project internship is completely online under the mentorship of the project mentor of IIT(ISM) Dhanbad. Final reporting and work completion status will be reported to the sponsored firm Capgemini Technology Services India Limited from time to time.

(Signature of PI)