



राष्ट्रीय उन्नत विनिर्माण प्रौद्योगिकी संस्थान
हटिया, राँची - 834 003 (झारखण्ड)

NATIONAL INSTITUTE OF ADVANCED MANUFACTURING TECHNOLOGY
HATIA, RANCHI - 834 003 (JHARKHAND)

DEPARTMENT OF ELECTRONICS AND COMPUTER ENGINEERING

Dated 14/02/2022.

Sub: Topics / areas for the presentation screening of contractual faculty position in this department against Advt. 02/2021 - Reg.

The candidates who have been shortlisted and called for presentation screening shall select any one of the topics / areas given below from their respective discipline. The topic / area chosen should be different from those in which the candidate carried out his / her project work in UG / PG.

CSE	ECE / EIE
1) Application of computers in digital manufacturing	1) Bio-medical electronics
2) Application of image processing / machine vision in manufacturing	2) Application of image processing / machine vision in manufacturing
3) Computer architecture	3) MEMS - design and manufacturing
4) Digital signal processing	4) Robotics and control
5) Switching in computer networks	5) Digital communications
6) Fibre optics communication	6) Digital signal processing
7) Information theory and coding	7) Probability theory and stochastic processes
8) Speech signal processing	8) Control systems for computer-numerically controlled machines / coordinate measuring machines
9) Graphs and trees	9) Advanced electronic devices and technologies
10) Propositional logic	10) Logic families and semiconductor memories
11) Memory management and virtual memory	11) Signals and systems
12) Fundamental algorithmic strategies	12) Microcontrollers
13) Advanced topics in DBMS	13) Fibre optics
14) Automata theory	14) Information theory and coding
15) Application layers in computer networks	15) Speech signal processing
16) STEP - NC	16) STEP - NC
17) Internet of things	17) Sensors in manufacturing
18) Sensors in manufacturing	18) High speed electronics devices

Note: The maximum number of slides is limited to 18.


(G. Rajamohan, HOD)

Associate Professor and Head