

TECHNICAL ACTIVITY CARRIED OUT BY CENTRES / OVERSEAS CHAPTERS

Name of Centre / Overseas Chapter:		North Bengal Local Centre	
Title of Activity:		The 51 st Engineers' Day Celebration on the Theme of "Digital Transformation: A New Industrial Revolution"	
Activity under Divisional Board (delete which are not applicable):		N/A	
Date:	15/09/2018	Venue:	NBLC(IE) new building , P.O.- Jalpaiguri Govt. Engineering College , District- Jalpaiguri-735102



Title of photo: Welcome address given by **Er. Asim Mahapatra, Hony. Secretary NBLC (IE).**

Title of photo: **Er. Animesh Hazra** read the life sketch of **Sir. M. Visvesvaraya**



Title of Photo: **Er. Jhuma Dutta** at her Presentation.

Title of Photo: **Er. G.K.Panda, Chairman, NBLC (IE)** presenting memento to **Er. Jhuma Dutta.**

Brief Report (not exceeding 4000 characters)

The 51st Engineers' Day was observed by the NBLC(IE) with due solemnity on 15th September, 2018 at 12.00 Noon at the NBLC(IE) new building, P.O- Jalpaiguri Govt. Engineering College, District-Jalpaiguri-735102.

The programme started from 12.00 noon. At the beginning of the programme, welcome address was given by Er. Asim Mahapatra, Honorary Secretary, NBLC (IE). Er. G.K. Panda, The Chairman, NBLC (IE) offer tribute at the portrait of Sir M. Visvesvaraya. It was followed by reading life sketch of Sir M. Visvesvaraya by Er. Animesh Hazra, Assistant Professor, CSE department, Jalpaiguri Govt. Engineering College, Jalpaiguri. Then, PowerPoint Presentations was given by the theme Speaker of the day, Er. Jhuma Dutta, Assistant Professor, C.S.E department, Jalpaiguri Govt. Engineering College, Jalpaiguri on the theme of '**Digital Transformation: A New Industrial Revolution**'. The speaker spoke that industries around the world are now facing substantial challenges due to recent environmental, societal and technological developments regarding innovative concepts of Internet of Things(IoT), cyber physical system or cloud based manufacturing which lead to the fourth stage of industrial revolution, termed as Industry 4.0. She says that the increased digitization which waves out traditional and conventional production concepts including mass production, batch production, now continuous process flow of project is the need of the hour. She briefly describe about the different stages of Industrial Revolution, fourth Industrial Revolution, Key Technological Components, Principal approaches in Industry 4.0, Benefits of Industry 4.0, Challenges facing Industry 4.0, Impact of Industry 4.0 etc.

At the conclusion part the speaker says that Industry 4.0 is definitely a revolutionary approach to manufacturing techniques. The concept will push global manufacturer to a new level of optimization and productivity. However there are still many challenges that needs to be tackled systematically to ensure a smooth transition. Pushing research and experimentation in such fields are essential. While speculations regarding privacy, security, and employment need more study. The overall picture is promising. Such approach to manufacturing industries is truly revolutionary.

Altogether 22 members presented in the programme. The programme was concluded by the vote of thanks by Er. N. C. Sadhukhan, Member, NBLC (IE).