

## TECHNICAL ACTIVITY CARRIED OUT BY CENTRES / OVERSEAS CHAPTERS

Name of Centre / Overseas Chapter:		North Bengal Local Centre	
Title of Activity:		<b>Seminar on <u>"EFFECTS OF MACHINING PARAMETERS ON TOOL LIFE AND ITS OPTIMIZATION IN TURNING MILD STEEL"</u></b>	
Activity under Divisional Board (delete which are not applicable):		MCDB	
Date:	27/04/2016	Venue:	Engineers' House, Jalpaiguri Govt. Engg. College campus, P.o +Dist. Jalpaiguri-735102



Title of photo: **Er. Soumojit Dasgupta** at his presentation



Title of photo: **Er. N.C Sadhukhan** presenting Memento to **Er. Soumojit Dasgupta**

### Brief Report (not exceeding 4000 characters)

A Lecture Meeting on **"EFFECTS OF MACHINING PARAMETERS ON TOOL LIFE AND ITS OPTIMIZATION IN TURNING MILD STEEL"** was organized by The Institution of Engineers (I), North Bengal Local Centre, on **27<sup>th</sup> April, 2016** at 2.00 p.m. at Engineers' House., Jalpaiguri Govt. Engg. College Campus, P.o + Dist. Jalpaiguri-735102. At the beginning of the programme, welcome address was given by Er. Ashim Roy, Honorary Secretary, NBLC (IE). The theme speaker of the programme was **Er. Soumojit Dasgupta**, Ex-Faculty of BIET, Suri, Birbhum.

Er. Soumojit Dasgupta delivering his presentation he spoke about the Assessment of tool life, Concept of tool wear and tool life, Types of wear observed in cutting tool like Crater wear, Flank wear, Corner wear etc. He also focused on Theoretical analysis of tool life, various control parameters and their limits, Design of experiments conducted by considering three main process parameters such as spindle speed, feed rate and depth of cut at three different levels- Low, Medium and High. He gives clear idea about the process of calculation of tool life and statistical analysis of results, confirmation test etc.

15 participants enjoyed the presentation and it was very interactive session. Finally, Er. N.C Sadhukhan, Member, North Bengal Local Centre (IE) proposed the vote of thanks.