

TECHNICAL ACTIVITY CARRIED OUT BY CENTRES / OVERSEAS CHAPTERS

Name of Centre:		North Bengal Local Centre	
Title of Activity:		Seminar on “ Perspective of Graphene Research ”	
Activity under Divisional Board (delete which are not applicable):		ETDB	
Date:	29/01/2019	Venue:	NBLC(IE) New Building, Jalpaiguri Govt. Engg. College campus, P.o +Dist. Jalpaiguri-735102



Title of photo: Welcome address given by Er. Santanu Das, Hon. Secretary NBLC(IE)



Title of photo: Er. Aloksh Mondal at his presentation.



Title of photo: Programme is going on.



Title of photo: Er. G. Bairagi , Member NBLC(IE) presenting memento to Er. Alokesh Mondal.

Brief Report

A Lecture Meeting on “Perspective of Graphene Research” was organized by The Institution of Engineers (I), North Bengal Local Centre, on **29th January ,2019** (Tuesday) at 3.00 p.m. at NBLC(IE) new building, Jalpaiguri Govt. Engg. College Campus, P.o + Dist. Jalpaiguri-735102. At the beginning of the programme, welcome address was given by Er. Santanu Das, Honorary Secretary, NBLC (IE). The theme speaker of the programme was **Er. Alokesh Mondal**, Assistant professor , Department of ECE, Jalpaiguri Government Engineering. College, Jalpaiguri-735102.

Er. Alokesh Mondal delivering his presentation he speaks about the history, structure ,synthesis of Graphene, properties of Graphene etc. He briefly describe about the application areas of Graphene. The speaker gives the clear idea about the present research on Graphene on Medical sciences, research on Construction Engineering , research on Automobile Technology , research on Aerospace and defence industry, textile industry etc. He says that the size of the graphene market was estimated to be around US\$12 million in 2013, indicating that so far we are still in a phase of research and development. It is estimated that by 2020 it will grow upto US\$280 million. The speaker focuses on the future scope of the Graphene research. In concluding part he says that There are many agencies which are working very hardly on graphene and they have founded the new graphene devices. Some of them are- Defense Advanced Research Projects Agency of U.S. D.O.D., Indian agencies such as D.R.D.O.,Nanoscale science and technology group at the IBM Watson Research Centre in Ossining, NY, etc.

20 participants enjoyed the presentation and it was very interactive session. Finally, Er. Santanu Das, Honorary Secretary, North Bengal Local Centre (IE) proposed the vote of thanks.