

## Industrial visit for 3<sup>rd</sup> year B.Tech/Dual degree students



School of Mechanical Sciences has conducted an industrial Visit of its 3<sup>rd</sup> year B.Tech. and Dual Degree students at Carriage Repair Workshop, Mancheswar on August 24, 2019. The half of the total strength of the batch (38 students) have attended the visit, while the remaining student will visit the same on September 07, 2019.

The students were accompanied by two faculty members (Dr. S Mullick and Dr. G Bartarya), two staff members (Mr. Aloka K Nayak and Mr. Purnendu K Bisoi) and two research scholars (Mr. Arabinda Meher and Mr. Tushar Srivastava) during the visit.



The visit was conducted by the 'Training centre' of the workshop. The students attended various sections in the workshop, Machining and Pressing section, Carriage fitting shop and Bogie shop, Braking inspection shop, Wheel shop. The students have observed various live inspection and machining processes for various small to large components.

In the Machining and pressing shop students observed the live process of bending of metal plates and sheets of different dimensions into different shapes along with drilling, turning, gas cutting and other operations for various small components. In the Carriage fitting and Bogie shop, they observed the lifting and live inspection process for carriages and assembly of carriage and bogie. In the Braking inspection shop the inspection of 'Distributor valve assembly' was demonstrated along with its operational principle. In the Wheel shop students observed the live disassembly and inspection of axel and bearing, conventional and CNC machining (mainly turning) of axel and wheel, fitting of new bearings to repaired or new wheel and axel.



