



A DAY WITH WONDER'-INDUSTRIAL VISIT REPORT

On 21st July 2015, we students of St. Peter's university went for an Industrial visit to INTEGRAL COACH FACTORY (I.C.F) Chennai along with our faculties Mr. Kamal and Mr. Jayaprasad respectively. It was a wonderful day. Let me brief it

We started from college at 9:30 am and entered I.C.F at 11 35 am after all procedures that should be follow by every visitors at I.C.F. We reached the factory with lot of expectation .The first sight, we approached was the Railway compartment interior electrical work area. It was there, where we students divided into groups and allowed to explore ourselves in the field of railway mechanism.



Compartments kept for interior work

We saw many rows of railway compartments keep for construction and in each, we found many workers working in different areas like glass fitting, door setting, seat setting and even various electrical aspects. To be frank I liked the area when the works were installing air-exhaust for A.C compartments.

Now, coming to wood session, plywood was being fixed. At this moment I suddenly remembered the law implemented by the colonial rule. Carpentry department was very busy in making materials related to train equipment. The next session, we went was the stitching department, which was fully engaged in making seats to the train compartments.

After our lunch, we entered main factory of I.C.F. At 1:20 pm. Here, we secured a lot of information regarding the internal and external parts of a train compartment.



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The methodology by which sheets of metal are bended to form the part of the compartment was practically shown to us. When we came to the place where wheels of the train are kept separately coated with specific paint to prevent corrosion, we got amazed. We even saw a large setup that to be fixed at the bottom of a train to which wheels and brake shoes can be joined.



Base of a railway compartment

The place where sheets were being shaped using Hydraulic pressure machines of huge cost was before our sight, there were no words to speak out. The moment which made us to cross our fingers is the area where sheets were cut into accurate shapes by laser in a fraction of a second. This was none other than the CNC laser cutting department.



Students in front of initial stage of a compartment



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Side body of train coach

At last we were in front of spring department where a practical demo was shown about the fact, how a metal is made into spring passing through hot furnace and finally making out into spiral form by slow cooling process.

We reached our college campus at 3:25 pm with lot of thoughts about I.C.F and the employees who working there.

I complete my report by coating these words "Tiny drops create a mighty ocean". The showcase of the making of internal and external parts of the train mechanism really made us amazed. It was in fact a best industrial visit



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Coaches kept for seat installation



I myself on behalf of all the students, I thank my college and faculties, honorable Vice-Chancellor and Head of Mechanical department for arranging such a trip and other helps. We hope and wish that many of such visits will be arranged in future to make us shine brightly in the sky of engineering.....

Thank you...

Prepared by

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