

Power Transmission Training- Training Report

Name of training	Power Transmission Training
Hosting Institute	Toyota Technical Training Institute C/o Toyota Kirloskar Motor Pvt Ltd.,
Location	Plot No.1, Bidadi Industrial Area, Ramanagar District, Karnataka – 562109
No. of days and Dates	5 days from September 24 th -29 th , 2021
Training Co-ordinator	Mr. Kumar Swamy M C
Faculty in-charge	Mr. Sadashiv Bellubbi



Submitted by:

Mr. SADASHIV BELLUBBI

Assistant Professor

Department of Mechanical Engineering

Alva's Institute of Engineering and Technology, Moodabidri

Introduction: This training was developed by the Toyota Technical Training Institute C/o Toyota Kirloskar Motor Pvt Ltd., for final year Mechanical Engineering students of Alva's Institute of Engineering and Technology. Moodabidri. This program is presented as a framework of enhancing knowledge of final year mechanical students in Power transmission system includes dismantling and assembly of Steering system, Vane pump, Power transmission unit and dismantling of tyre from vehicles. This training is mainly focussed on improving students' industrial knowledge, skills and professional qualities appropriate to new technology needs of industry scenario.

Training objectives:

- Dismantling and assembly of Power transmission system and components related to power transmission systems.
- Dismantling and assembly of Vane pump, steering system, transmission system.
- Hands on experience of Dismantling and assembly of diesel engine and to know applications of all parts used in engine.
- To know the different tools usage for Dismantling and assembly of automobile systems.
- To understand the best practices of quality and Toyota Production System involved in Toyota Kirloskar Motor Pvt. Ltd.

Training Team: Members involved in training were

Mr. Bhaskar Singh, Officer and Trainer TKM Bengaluru

Mr. Kiran Kumar H P, Trainer TKM Bengaluru

Mr. Venkatesh Kasi, Coordinator and Trainer TKM Bengaluru

TKM Training Programme

This programme was opened up with a welcoming all participants and faculty of AIET to Toyota Technical Training Institute on 24th September, 2021. Mr. Bhaskar Singh mentioned about the significance of MOU between TKM and AIET. He also mentioned that students' learning must fill up the gap between industry and institute learning. He motivated all participants to attend all sessions sincerely to learn basic concepts, principles, components of power transmission systems. Hands on experience of Dismantling and assembly of vane pump, steering system, transmission system of vehicle and he mentioned about the different tools used for dismantling and assembly of automobile systems. In this next 5 days of training, total 13 students were participated and benefitted from the TKM training.

In these 5 days of training, students also learnt about how to improve their skills, how to produce quality products in shorter time, how to manage ourself in given time, also learnt about Toyota culture, discipline, morning exercises, the way of respecting people and many more...

As per the schedule, students visited Production Plant no.1 to know about manufacturing of Toyota's Innova and Fortuner vehicles.

On last day of training, conclusion session was conducted, during this session Mr. Bhaskar Pai have appreciated all participants for their sincere learning, discipline maintained in Toyota campus, also he took feedback from all participants regarding training, facilities (Stay, food, transportation) provided by the company. Bhaskar Singh, Trainer had requested all participants to do not stop learning, learning is continuous process. Few participants expressed their feedback about the training. Mr. Sadashiv Bellubbi, Assistant Professor, Department of Mechanical Engineering, AIET thanked all trainers, coordinators, HoD, Principal and management of both TKM and AIET for arranging very informative training to Mechanical final year students.

The programme overall was the feather in the cap and it was a milestone for the students to know about vehicles, it will surely helpful while attending the interviews. The department is always known for giving its quality education and making the students learn through practical sessions.



Participants undergone dismantling and Assembly of vane pump



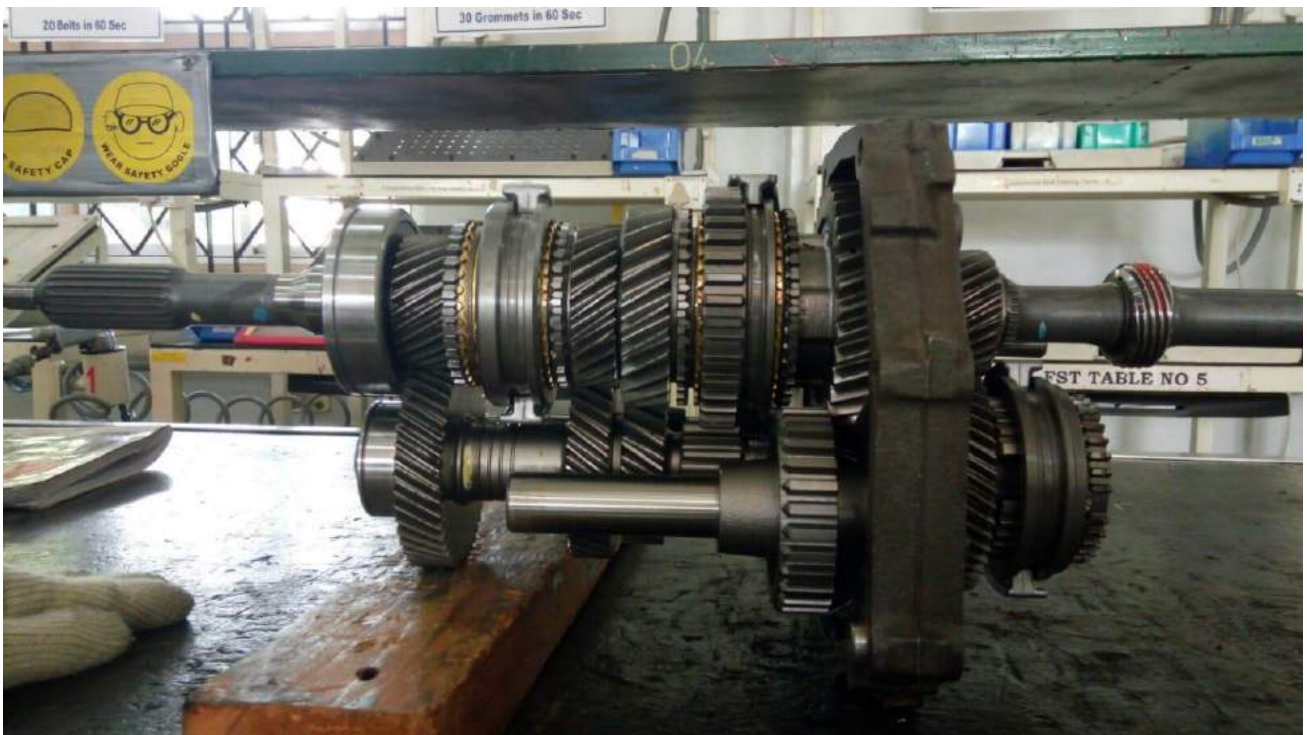
Mr. Kiran Kumar, Trainer explaining about Transmission system



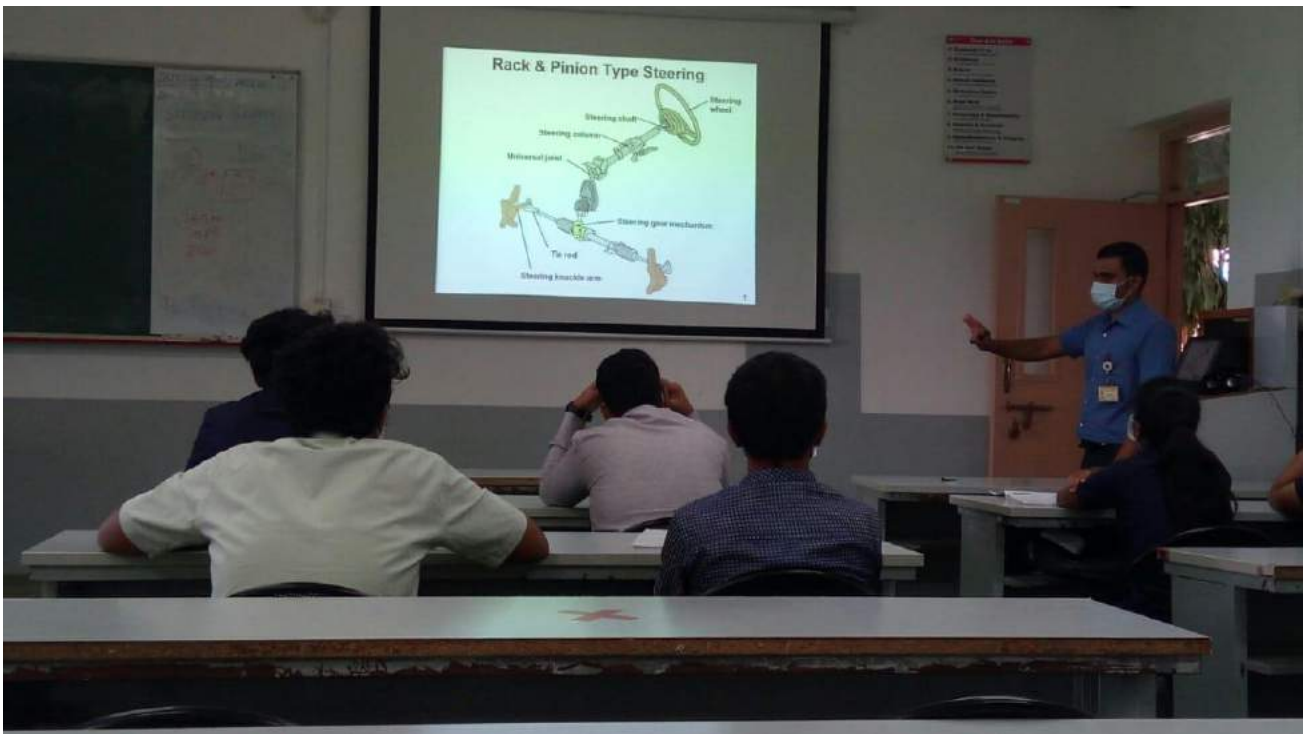
Mr. Kiran Kumar, Trainer explaining about Transmission system



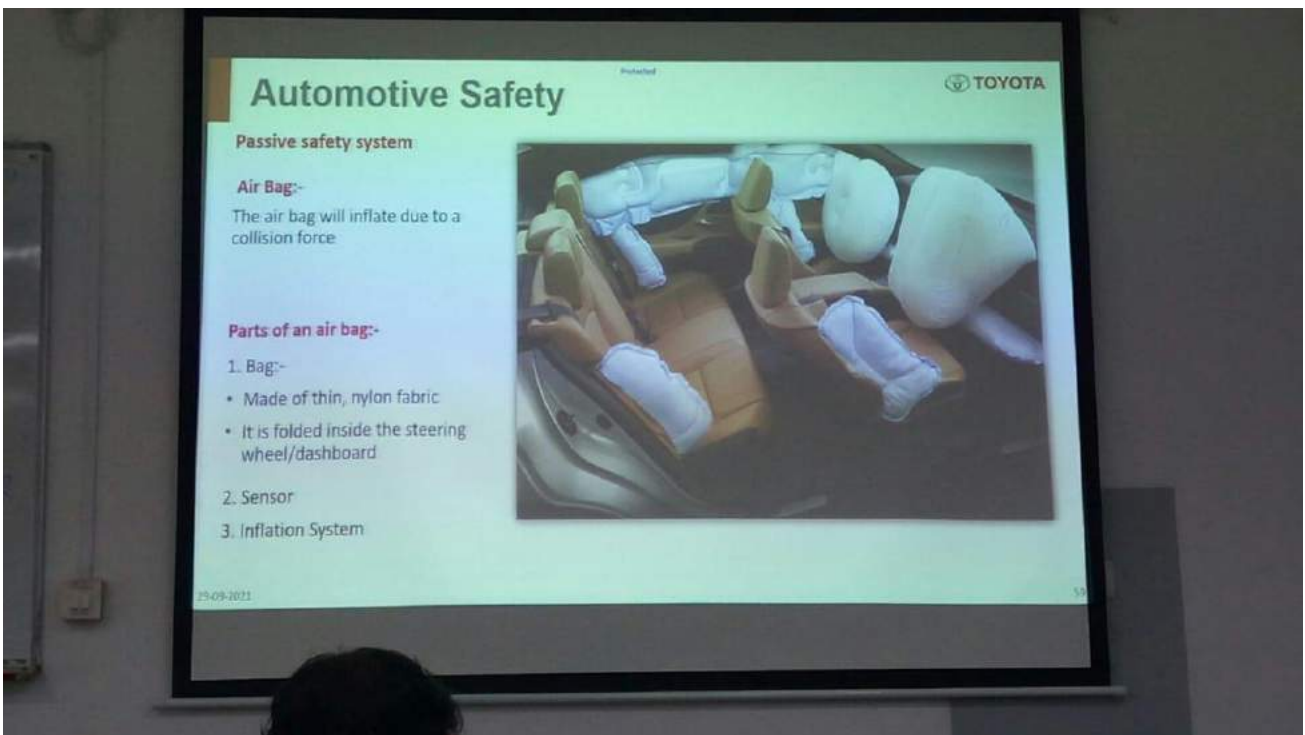
Mr. Kiran Kumar, Trainer explaining about Power Transmission system



Gear system after dismantling of power transmission system



Kiran Kumar, Trainer engaged knowledge session on Rack and Pinion Type Steering



Kiran Kumar, Trainer engaged knowledge session on Safety systems in automobile



Participants undergone Hands on experience of welding processes.



Participants experienced dismantling and assembly of power steering system



Participants experienced dismantling and assembly of power steering system



Participant and faculty in-charge together dismantled power transmission system



Participants experienced hands-on experience of dismantling and assembly of Car tyres



Mr. Bhaskar Singh, Vice Principal, TTTi congratulated all participants on successful completion of TKM Training at Toyota Kirloskar Motor Pvt. Bengaluru and also collected feedback from participants.



Mr. Bhaskar Pai, Vice Principal, TTTi, distributed certificates to all participants on successful completion of Training at TKM Bengaluru



Participants with Trainers and Vice Principal

Faculty in-charge
Mr. Sadashiv Bellubbi

TKM Training coordinator
Mr. Kumar Swamy M C