

# Jyothy Institute of Technology

Department of Mechanical Engineering

## Industrial Internship Report

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| 1. | Period:                    | 16.07.2018 to 04.8.2018  |
| 2. | Industry Name and Address: | <b>Karnataka German Technical Training Institute (KGTTI)</b><br>KGMSDC CoE Building, Govt ITI (Women) "Kaushalya Bhavan" Campus Bannerughatta Road, Dairy Circle Bengalur - 560 029. |
| 3. | Industry Type:             | <b>Advance Industrial Training Center</b>  |
| 4. | No of Students:            | 15 students of 6 <sup>th</sup> Sem, Mechanical Engineering   |
| 5. | Deputed Faculty member     | Prof.Rakesh P  |

A batch of 15 Students of 6th Sem, Mechanical Engineering has undergone Industrial training at Karnataka German Technical Training Institute (KGTTI),Bengaluru from 16.07.2018 to 04.08.2018,At KGTTI the main focus was to get training in Industrial Automation where students acquire knowledge and expertise from various branches of engineering including electrical, electronics, chemical, mechanical, communications and Computer science. KGTTI has joined its hands with the technology partner FESTO, Germany and established a FESTO Authorized and certified Training centre (FACT).and Jyothy Institute of Technology (JIT) has MOU with KGTTI for students exchange and facility development in the area of Advanced Technology.

Most of the trainers at KGTTI are trained and certified by FESTO to train on a high competency level. From the basic disciplines of Mechatronics like Electro-Pneumatics, Hydraulics, Electro Hydraulics, Sensorics and PLC-programming until the advanced Drives, Proportional Hydraulics etc. At KGTTI more emphasis was on application based learning so that student remembers, practice and apply the skills gained. Module were divided into two parts Firstly Pneumatics Secondly Hydraulics , Initially all the Basics with respect to Pneumatics along with symbols used and standard code of circuit design were taught and later in the programme real time, application oriented problems were given to solve. Practical's were taught using standard FESTO Kits of Pneumatic and Electro Pneumatics. Similarly hydraulic and electro hydraulic Modules were also covered as a part of Industrial training.

The 20 days training session was a eye opening event for the students in the area of Industrial automation, the major outcome of the training was students gained knowledge and basic level expertise in area of Hydraulics and Pneumatics applications and circuitry design.



Group Photo of JIT Students and Faculty along with Industrial Automation Faculty at Karnataka German Technical Training Institute (KGTII),Bengaluru