

## **One year Research Attachment Program at Universiti Teknologi PETRONAS, Malaysia**

**Duration:** April 2016 to March 2016 (12 Months)

A Memorandum of Agreement was signed between SGGS Institute of Engineering and Technology, Nanded and Universiti Teknologi PETRONAS (UTP), Malaysia for the student exchange programme through Center of Excellence in Signal and Image Processing (CoE S&IP). The aim of this MoA was the joint research execution of the ongoing projects on both sides. Through one such MoA signed (dated: 08.02.2016) the joint research was conducted on project entitled "Volumetric Assessment of Articular Cartilage in Knee Osteoarthritis using MR Imaging". Research Scholar involved in this project is Mr. Akash Gandhamal, under the supervision of Dr. S. N. Talbar and Dr. S. S. Gajre (from SGGS IE&T). The supervisors assigned from UTP were Prof. Fadzil Md. Hani and Dr. Dileep Kumar.

The joint research was conducted during April 2016 to March 2017 (12 Months) through research attachment program. Mr. Akash Gandhamal has joined UTP as a exchange student during the above mentioned period and carried out the research.

### **Objectives of Program:**

1. Joint Research on Osteoarthritis using MR Imaging
2. Exchange of MR data collected from various sources for joint research
3. Joint Publications on the project "Volumetric Assessment of Articular cartilage in Knee Osteoarthritis using MR Imaging"

### **Outcomes of the Program:**

1. Joint Journal Publications -1 (Published) + 2 (Under Review)
2. Joint Conference Publications -1 (Published) + 1 (Accepted)
3. Collected MR data through local Malaysia hospital collaborations by UTP.

## Some Glimpses of Visit at UTP



**Supervisors:** Dr. S. N. Talbar and Dr. S. S. Gajre