



ADHI

COLLEGE OF ENGINEERING & TECHNOLOGY

**No.6, Munu Adhi Nagar, Sankarapuram, Near Walajabad,
Kanchipuram Dist – 631 605.**

**REPORT: A VISIT TO WOLKITE UNIVERSITY, ETHIOPIA BETWEEN
24.01.2018 AND 03.02.2018.**

Adhi College of Engineering and Technology (ACET) team visited to the Wolkite University at Ethiopia country, Africa from 24.01.2018 to 03.02.2018 in connection with Research Development of Mechanical Department particularly concentrated about the utilization of solar energy and composites.

Wolkite University
We Strive for Wisdom!

WOLKITE UNIVERSITY
COLLEGE OF ENGINEERING
AND TECHNOLOGY
DEPARTMENT OF
MECHANICAL ENGINEERING

**Mechanical Engineering
Software Hands on Training
Programme
On
Computational Fluid Dynamics
(Cfd)
By
Dr.A.DEVARAJU, PhD,
Principal, Adhi College of
Engineering And Technology,
Chennai, Tamil Nadu State,
India
DR.S.HARIKRISHAN, PhD,
Professor and Head,
Department of Mechanical
Engineering,
ADHI COLLEGE OF
ENGINEERING AND
TECHNOLOGY
Date: 26/01/2018
to 2/2/2018
Venue: Mechanical Engineering
Cad/Cam Lab**

**Department of
Mechanical
Engineering, College of
Engineering and
Technology, WOLKITE
UNIVERSITY,
ETHIOPIA Department
of Mechanical
Engineering, ADHI
College of Engineering
and Technology,
CHENNAI, INDIA**

'newton 3rd law of motion'
* The 'action and reaction' force
produced by air and high speed of
jet at the tail of jet engine makes
our craft move forward, so the
working of jet engine is all about
producing a high speed jet at the
exit.
* High speed of jet } makes air craft
* High thrust force } move forward

The Report of the visit is following:

- **Conducting Computational Fluid Dynamics program :**

Dr. Harikrishnan, HOD/ Mechanical has presented the International Training Program on Computational Fluid Dynamics (CFD) for Wolkite University faculties & students. Around 40 faculty members have attended the program. Adhi College of Engineering and Technology provided this sponsor to Wolkite University according to the MOU signed between Wolkite University and ACET.



- **Interacting with Mechanical department HOD, Wolkite University:**

Dr. Devaraju Principal of Adhi College of Engineering and Technology visited Wolkite University Campus on 30.01.2018 and met Mr. Nahom Mesiko HOD of Mechanical department Wolkite University and discussed the current functioning of Mechanical Engineering department at Wolkite University. Dr. Devaraju gave some suggestions for their mechanical department research activities.



- **Discussion about Nano Particles in Solar panels:**

Consequently Principal met Mr. Sisay Shewamare, Vice President in Research, discussed the current Research Progress in ACET & Wolkite University. In ACET, the different composites have been prepared and fabricated. Consequently, the research is going on Nano Particles Embedded Solar Panels which are used to improve the performance of Solar Cooker. The above mentioned research work has been discussed with them.

Since Wolkite University needs research on Composite and utilization of solar energy, the above said research work can be executed by collaboration between ACET and Wolkite University. They agreed for this collaboration.



- **Campus Visit:**

The Principal visited the various place of University such as Auditorium, Mess Hall, Kitchen, Library, laboratory etc..

A. At Campus entrance:



B. At Library:



C. At Auditorium:



D. At Mess Hall:



E. At Kitchen:

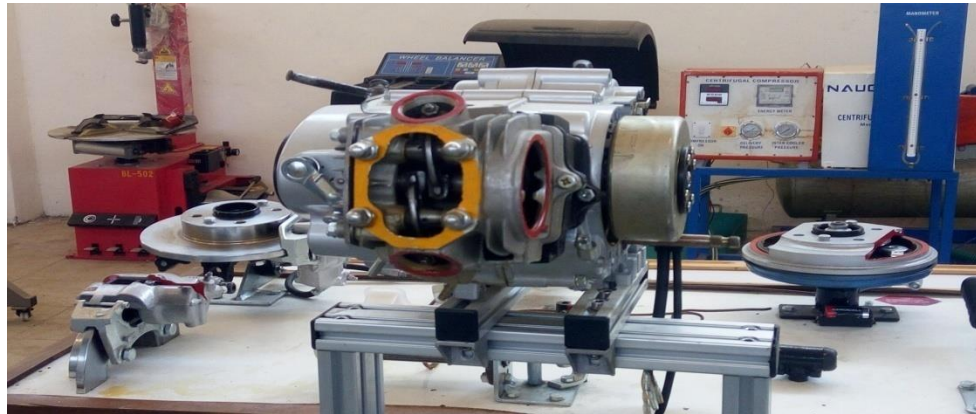


F. At workshops:



G. At laboratories





- **Meeting with Mr. Asteway Mellase:**



The next day principal met Mr. Asteway Mellase, International Affairs Director and discussed about MOU between ACET and Wolkite University and also discussed the benefits of International Transactions of the knowledge and Technology.

- **Strengthen the Relationship:**



On 02.02.2018 Principal met President Prof. Dejene Ayele, Wolkite University & strengthens the relation between Wolkite University and ACET. He assured that wolkite University will help us for all the activities of ACET related to research work, conference, transactions of students exchange etc..

- **Projects:**



Finally, it was absorbed that Wolkite University students are doing all projects inside the campus and also the students are doing local projects which is directly used for the infrastructure of the university. For example, preparing benches, round top steel shelters etc. are fabricated by Wolkite University students. Also, the students are interacted freely with their faculties and international delegates in decent manner and extracting the teacher's knowledge.

- **Issuing of CFD course certificates:**





- **Benefits:**

The visit was very useful and got more knowledge about International Education System, Research developments and MOU's.

- **Feedback:**

Wolkite University recognizes us well and showing interest to have good relation for R&D Development, the faculties and students exchange. The Wolkite University faculty and Students were happy for this CFD program.