

A meeting of Academic Audit Committee was held in Mechanical Engineering Department on 18.03.2021 at 03:00 PM. The Following were presents:

1. Dr. M.B. Bera, Professor (FET) (Through online mode)
2. Dr. R.K. Saxena, Officiating Dean (Academic)
3. Dr. Rajesh Kumar (HOD(ME))
4. Dr. P.K.Dhiman, Professor (M &H)
5. Dr. Arvind Jayant, Professor (ME)- (Nominated by HOD, ME)

HOD (ME) has given exhaustive overview and one-year (Academic Year 2019-2020) academic achievement of the department. Following are the strengths and weaknesses identified for the department:

**STRENGTH:**

1. Department has well qualified faculty members and majority of the faculty members possess Ph.D. Degree. Technical staff is also well trained.
2. Labs are well equipped to extend training components at ICD, UG and PG Level.
3. Faculty have published nearly 72 research publications in the SCI/Scopus international journals in the academic year (2019-2020).
4. Till date Departmental faculty have five patents to their credit. Department has filed one design patent in the year 2019-2020.
5. Two (02) Conferences/ symposia / workshops have been organized to boost academic interaction besides institute-institute and institute- industry interaction.
6. One new advance research Laboratory was developed in the department (Additive Manufacturing Lab.)

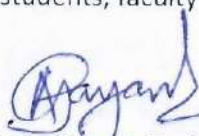
**WEAKNESS:**

1. Student to teacher ratio is 1:25.7 which is higher than the ACITE regulations.
2. ICT enabled classrooms are limited.
3. Externally funded research projects are less in the department credit.
4. Industry-Department interaction is limited due to COVID-2019 pandemic during year 2019-20.
5. Fund allocation to the department is less. It needs to be enhanced based on size/volume of the department.
6. Department is lacking in the development of laboratories in the emerging areas of mechanical engineering like Robotics & Artificial Intelligence etc.

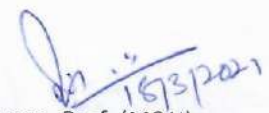
**RECOMMENDATIONS:**

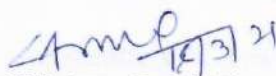
1. Faculty recruitment to be expedited to match with the student teacher ratio as prescribed by AICTE.
2. Research through externally funded projects needs to be strengthened.
3. New laboratories like Robotics and AI etc. need to be created on urgent basis.
4. Looking into the number of labs and student volume, present strength of the faculty and staff is insufficient and needs to be augmented.
5. Number of IT enabled classrooms need to be increased.
6. Modelling and analysis software like solid-works, ANSYS etc. be in place for the exposure to the students, faculty & staffs.


SLIET/ME/Dispatch/19/16  
Dated 19/3/2021

  
Dr. Arvind Jayant, Prof. (ME) 18/3/21

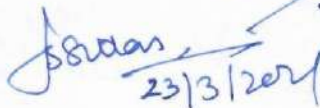
  
Dean (Academics) 18/03/2021

  
Dr. P.K.Dhiman, Prof. (M&H) 18/3/2021

  
Dr.M.B. Bera, Prof.(FET) 18/3/21

  
Dr. Rajesh Kumar, Prof & HOD(ME) 18/3/21

Coordinator-IQAC (SLIET)

  
23/3/2021

JSS

## FINAL OUTCOMES

### ACADEMIC PERFORMANCE OF MECHANICAL ENGINEERING DEPARTMENT (2019-2020)

	Parameters	Details
1	Placements i. Placement of ICD ii. Placement of B.Tech iii. Placement of Masters Student iv. Placement of Ph.D Students	NIL 31 83 08
2	No. of Ph.D.s Awarded in one year	08
3	Total No. Research Publications (Including 72 Scopus/WOS/SCI/SCIE) Average Impact Factor  Publications per Faculty in Indexed Journals/Year	86  0.977  03
4	Total Citation in Year 2019-20 of the paper published during 2019-20. Average Citations per Faculty/Year	47 1.56
5	Recognitions; Awards(National/International) to Faculty/Students	07
6	Externally Funded Research Projects	01
7	Patent file/ Granted.	01
8.	Consultancy Assignment Completed	NIL


#### FACULTY ATTENTIVENESS


- Course File Preparation : √
- Attendance Register : √
- Display of attendance alert: √
- Preparation of model answer: √
- Makeup classes: √
- Use of ICT in Teaching: √

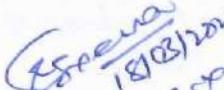
  
 Prof. Arvind Jayant, Coordinator-IQAC (ME)

  
 Name and Signature of HOD(ME)

Name and Signature of Academic Audit Committee

1.   
 (Dr. Arvind Jayant)  
 Prof. (ME)

  
 Dr. P.K. Dhanu  
 Prof. (M+H)

  
 CR.G. Sanyal  
 18/03/2021

  
 M.B. Bera

  
 18/03/21