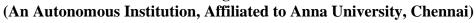


K S RANGASAMY COLLEGE OF TECHNOLOGY

Tiruchengode-637215





DEPARTMENT OF MECHANICAL ENGINEERING

Flipped Class				
Programme & Branch	B.E. & Mechanical Engineering	Year/Sem/Sec	III/V/A	
Course Code & Name	50 ME 503 - Design of Machine Elements	Date	08.11.2022	

The students are informed to watch the video by the link https://youtu.be/Qn6irCeqRnQ?t=407. The video is covering the topic of introduction of bearing and there will be an activity on the same topic on 09.11.2022 (3rd Hour) in our classroom.

Course Instructor (Mr.B.Balaji)



K S RANGASAMY COLLEGE OF TECHNOLOGY

Tiruchengode – 637215

(An Autonomous Institution, Affiliated to Anna University, Chennai)



DEPARTMENT OF MECHANICAL ENGINEERING

Flipped Class Activity Report				
Programme & Branch	B.E. & Mechanical Engineering	Year/Sem/Sec	III/V/A	
Course Code & Name	50 ME 503 - Design of Machine Elements	Date Hour	09.11.2022 3 rd Hour	

Questions:

- 1) List the function of bearing.
- 2) _____ bearing is the load acting at right angles to the bearing axis
- 3) _____ bearing is the load acting along the bearing axis.
- 4) Lubrication is required in sliding contact bearing, Justify?
- 5) Name the bearing that has more number of parts and also list the parts.

The above questions have been asked to the students and they shared their answers. All the students answered questions no.1, no.2 and no.3 correctly. But few students only answered questions no.4 and no.5 correctly. So, I discussed the non-answered topic in the classroom.

Course Instructor

(Mr.B.Balaji)

Module Coordinator

(Dr.S.Jeyaprakasam)



K S RANGASAMY COLLEGE OF TECHNOLOGY

Tiruchengode – 637215

(An Autonomous Institution, Affiliated to Anna University, Chennai)



DEPARTMENT OF MECHANICAL ENGINEERING

Flipped Class questions and answers					
Programme & Branch	B.E. & Mechanical Engineering	Year/Sem/Sec	III/V/A		
Course Code & Name	50 ME 503 - Design of Machine Elements	Date Hour	09.11.2022 3 rd Hour		

Questions and Answers:

- 1) List the function of bearing.
 - Support the moving machine element (shaft).
 - It permits a relative motion between the contact surfaces of the members.
 - Reduce friction and make rotation more smooth
- 2) Radial bearing is the load acting at right angles to the bearing axis
- 3) Thrust bearing is the load acting along the bearing axis.
- 4) Lubrication is required in sliding contact bearing, Justify?

Yes, Lubrication is required in sliding contact bearing.

Sliding actions between the shaft and bearing create wear and friction and this has been reduced by the lubrication oil.

5) Name the bearing that has more number of parts and also list the parts.

Roller bearing has more number of parts. They are inner race, ball, cage and outer race.

Course Instructor

(Mr.B.Balaji)

Module Coordinator

(Dr.S.Jeyaprakasam)