



SANDIP FOUNDATION'S
SANDIP POLYTECHNIC, NASHIK

DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR : 2020-21



SANDIP
FOUNDATIONS

CERTIFICATION COURSE [VALUE ADDED PROGRAM] ON "BEARINGS"

DATE

26th TO 29th APRIL 2021

TIME

04:00 PM TO 07:00 PM



BENEFICIARY

SY ME

PLAT FORM



CO ORDINATOR

PROF. J. R. WADILE
(9403904450)

PROF. D. K. PATIL
(8788816293)

Special Features of the Value Added Program

1. Learn at your own pace and place
2. Print your own course-completion certificate
3. Using a mobile device?-Possible with articulate mobile player
4. Language-English

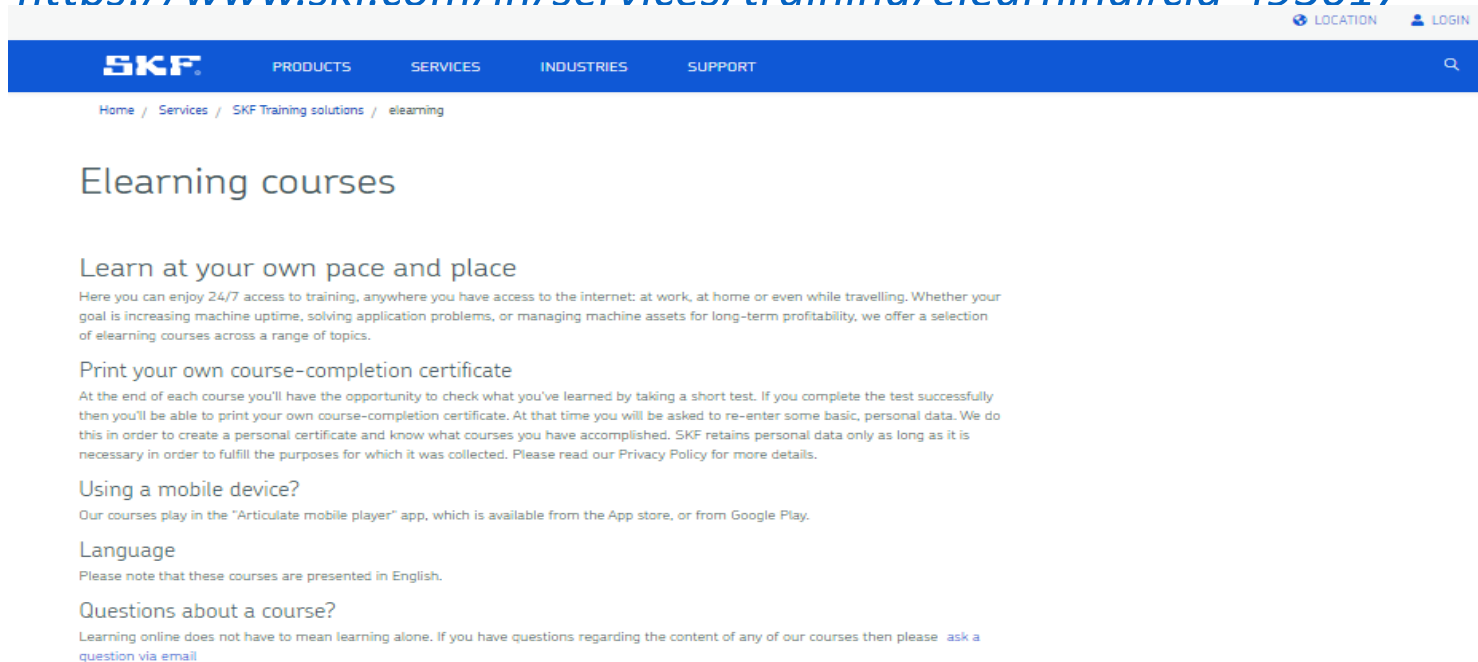
Modules to be covered under program

1. Bearing basics
2. Deep groove ball bearings
3. Angular contact ball bearings
4. Tapered roller bearings
5. Tutorial for revised standards for rolling bearing tolerances
6. Lubrication basics
7. Machine Condition Advisor

How to learn from your own device

Step 1: Copy and Paste Click on the link:

<https://www.skf.com/in/services/trainina/elearnina#cid-493017>



The screenshot shows the SKF website's elearning page. The top navigation bar includes the SKF logo, menu items for PRODUCTS, SERVICES, INDUSTRIES, and SUPPORT, and links for LOCATION and LOGIN. The breadcrumb trail reads: Home / Services / SKF Training solutions / elearning. The main heading is "Elearning courses". Below this, there are three sections: "Learn at your own pace and place" (describing 24/7 access), "Print your own course-completion certificate" (describing a short test and certificate), and "Using a mobile device?" (mentioning the "Articulate mobile player" app). A "Language" section notes that courses are in English. A "Questions about a course?" section provides a link to ask a question via email.

PRODUCT-RELATED COURSES

MAINTENANCE AND RELIABILITY COURSES



Bearing basics

If you're new to bearings then this is a good place to start.

[SEE COURSE SUMMARY >](#)



Deep groove ball bearings

Learn the basics about SKF Deep groove ball bearings.

[SEE COURSE SUMMARY >](#)



Angular contact ball bearings

Features and benefits of single row and double row angular contact ball bearings.

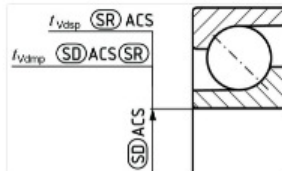
[SEE COURSE SUMMARY >](#)



Tapered roller bearings

Learn the basics about SKF tapered roller bearings.

[SEE COURSE SUMMARY >](#)



Tutorial: revised standards for rolling bearing tolerances

This e-learning includes information about the content of ISO 199:2014 and ISO 492:2014 and describes the changes to the former version.

[SEE COURSE SUMMARY >](#)

Lubrication basics

Learn about the physics of lubricants and the function of a lubricant within a bearing.

[SEE COURSE SUMMARY >](#)



Power transmission equipment

An introduction to the SKF range of power transmission products.

[SEE COURSE SUMMARY >](#)



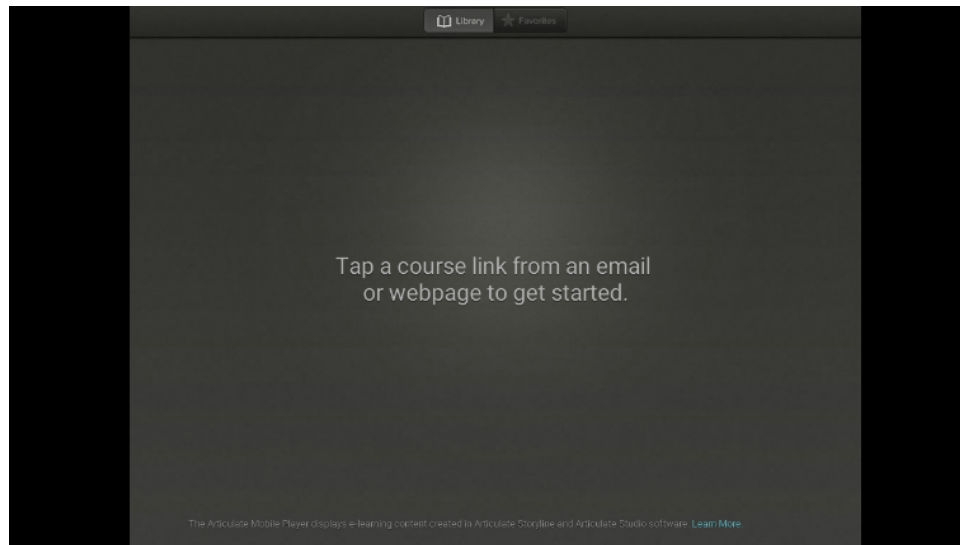
SKF Machine Condition Advisor

The course is intended for use in conjunction with the manual supplied with the instrument.

[SEE COURSE SUMMARY >](#)

Step 2: Download an “Articulate Mobile Player” from play store. Or use link for downloading

<https://play.google.com/store/apps/details?id=air.com.articulate.articulatemobileplayer>



Step 3: Click on the module to be completed

Bearing basics

Course summary

On completion of this course you will be able to:


- Describe the three primary functions of a bearing, and to correctly identify the component parts of a standard bearing.
- List the most common bearing types and describe the main characteristics of each.
- Explain eight factors that will affect the choice of bearing for a particular application.
- Identify (with the aid of notes) the bearing type described by use of a basic designation, and to identify variants of a standard bearing design from information given in prefixes and suffixes applied to standard designations.

The estimated study time is 50 minutes.

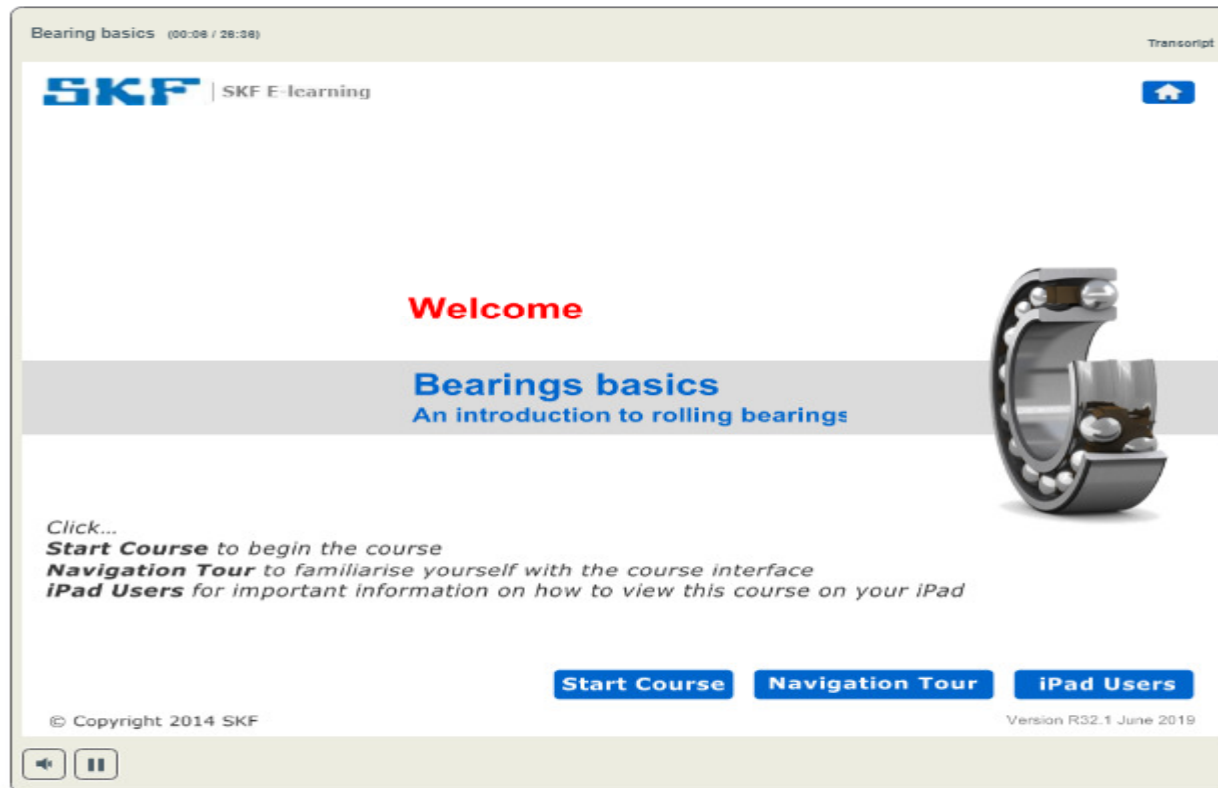


Ready to start?


Please note that this course plays in the English language.

[LAUNCH THE COURSE](#) 

Step 4: Start the course




Bearing basics (00:08 / 28:38) Transcript

SKF | SKF E-learning 

Welcome



Bearings basics
An introduction to rolling bearings



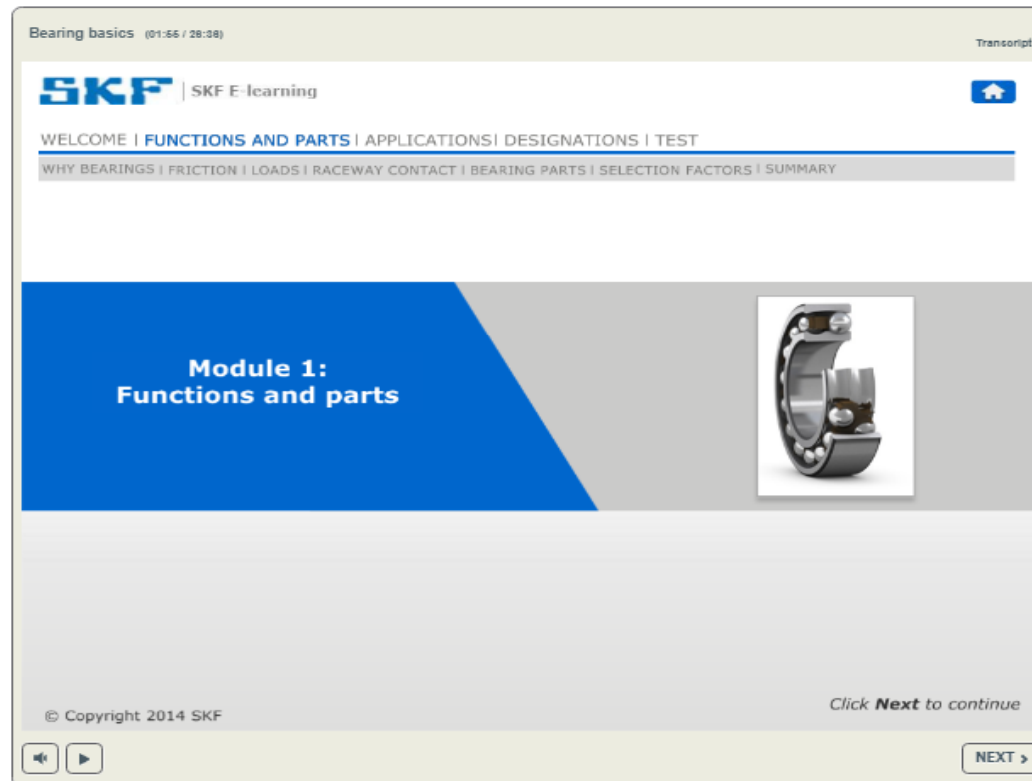
Click...
Start Course to begin the course
Navigation Tour to familiarise yourself with the course interface
iPad Users for important information on how to view this course on your iPad

[Start Course](#) [Navigation Tour](#) [iPad Users](#)

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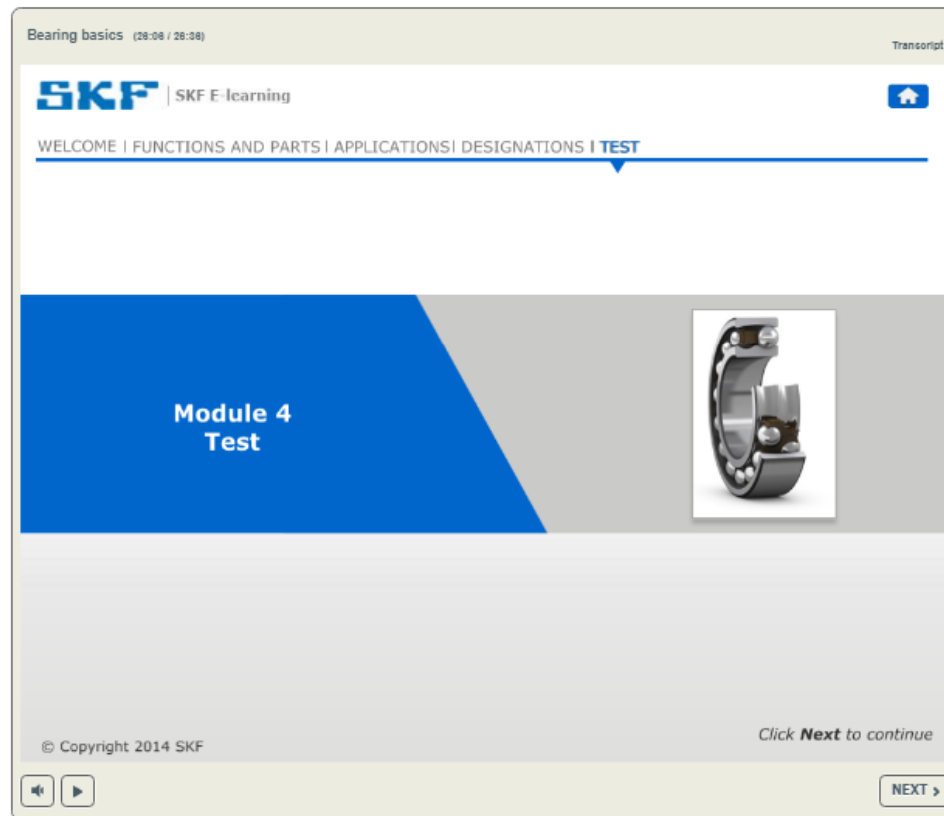
 

Step 5: Start Learning at your own device



The screenshot shows an e-learning interface for SKF. At the top, it says "Bearing basics (01:56 / 28:38)" and "Transcript". The SKF logo and "SKF E-learning" are visible. A navigation menu includes "WELCOME | FUNCTIONS AND PARTS | APPLICATIONS | DESIGNATIONS | TEST" and "WHY BEARINGS | FRICTION | LOADS | RACEWAY CONTACT | BEARING PARTS | SELECTION FACTORS | SUMMARY". The main content area features a blue banner with "Module 1: Functions and parts" and an image of a bearing. At the bottom, there is a copyright notice "© Copyright 2014 SKF", a "Click **Next** to continue" instruction, and a "NEXT >" button.


Step 6: Take a test



The screenshot shows a web-based learning interface for SKF. At the top, it says "Bearing basics (28:08 / 28:38)" and "Transcript". Below that is the SKF logo and "SKF E-learning" with a home icon. A navigation menu includes "WELCOME | FUNCTIONS AND PARTS | APPLICATIONS | DESIGNATIONS | **TEST**". The main content area features a blue banner with "Module 4 Test" and an image of a ball bearing. At the bottom, there is a copyright notice "© Copyright 2014 SKF", the instruction "Click **Next** to continue", and navigation buttons for back, forward, and "NEXT >".

Step 6: Take a test

Bearing basics (28-18 / 28:38) Transcript


SKF | SKF E-learning 

WELCOME | FUNCTIONS AND PARTS | APPLICATIONS | DESIGNATIONS | **TEST**


End of Course test

See how much you learned



If you feel ready, then click the button below to take the end-of-course test.



If you pass the test on-line then you will be able to print your own course completion certificate.



© Copyright 2014 SKF

  NEXT >

Step 7: Test result and certificate download.

Bearing basics (28:17 / 28:38) Transcript

Result

Your Score:	66.66% (100 points)
Passing Score:	70% (105 points)

Result:

✘ You did not pass.

[Retry Quiz](#)

◀ FINISH

**In same manner we can complete modules from
2 to 7**

Thank You
Any Questions