

Mechanical Engineering Professor Interview Questions

1. Provide an example of a time when you were able to demonstrate excellent listening skills. What was the situation and outcome?

2. Describe research you have conducted. How did you publish your findings?

3. Please share with me an example of how you helped coach or mentor someone. What improvements did you see in the person's knowledge or skills?

4. Provide an example of when you set expectations and monitored the performance of subordinates. What guidance and direction did you find most effective?

5. Describe an experience in which you identified the educational needs of your students and successfully developed a way to teach/train them.

6. Share an experience in which you successfully shared a difficult piece of information. (Make sure that the candidate has open lines of communication.)

7. Tell me how you organize, plan, and prioritize your work.

8. What are some long-range objectives that you developed in your last job? What did you do to achieve them?

9. Share an experience when you applied new technology or information in your job. How did it help your company?

10. Give me an example of when you thought outside of the box. How did it help your employer?

11. Tell me about an experience in which you analyzed information and evaluated results to choose the best solution to a problem.

12. Would you consider analyzing data or information a strength? How so?

13. Share an effective approach to working with a large amount of information/data. How has your approach affected your company?

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14. Share an example of a time you had to gather information from multiple sources. How did you determine which information was relevant?

15. Please share an experience in which you successfully taught a difficult principle or concept. How were you able to be successful?

16. Share an experience in which you used new training skills, ideas, or a method to adapt to a new situation or improve an ongoing one. (Look for the candidate's ability to learn.)

17. Please share an experience in which you presented to a group. What was the situation and how did it go?

18. How would you rate your writing skills? (Ask for an example that demonstrates great writing skills.)

19. Name a time when you identified strengths and weaknesses of alternative solutions to problems. What was the impact?

20. Name a time when your advice to management led to an improvement in your company or otherwise helped your employer.

21. Tell me about a time when you developed your own way of doing things or were self-motivated to finish an important task.

22. Name a time when your creativity or alternative thinking solved a problem in your workplace.

23. Provide an example when your ethics were tested.

24. What have you found to be the best way to monitor the performance of your work and/or the work of others? Share a time when you had to take corrective action.

25. Share an experience in which your ability to consider the costs or benefits of a potential action helped you choose the most appropriate action.

26. What factors do you consider when preparing course materials?

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27. Share an experience in which your understanding of a current or upcoming problem helped your company to respond to the problem.

28. Share a time when you willingly took on additional responsibilities or challenges. How did you successfully meet all of the demands of these responsibilities? (Make sure the candidate is a self-starter and can demonstrate some initiative.)

29. Tell me about an effective lecture which you prepared and/or delivered to students. How about one which was not as effective?

30. Share an experience in which your attention to detail and thoroughness had an impact on your last company.

31. Provide an example of when you were persistent in the face of obstacles.

32. What is the state of your student records? What is one thing you would like to improve upon?

33. Share an effective method you have used to evaluate and grade students' work.

34. Share an example of when you went above and beyond the "call of duty". (Look for answers that show the candidate is dependable.)

35. Share an example of when you established and accomplished a goal that was personally challenging. What helped you succeed?

36. Provide an effective method you have used to keep abreast of developments in your field.

37. Share an experience in which you successfully supervised teaching, internship, and/or research work. What methods made you successful?

38. How do you balance cooperation with others and independent thinking? Share an example. (Try to determine if the candidate has a cooperative attitude or is otherwise good-natured.)

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39. Share an experience in which you supervised students' laboratory work. What methods made you successful?

40. Share an experience you had in dealing with a difficult person and how you handled the situation.

41. Provide a time when you worked in a rapidly evolving workplace. How did you deal with the change? (Make sure the candidate is flexible.)

42. Share an experience in which collaborating with colleagues helped you to address a difficult issue.

43. Describe how you plan, evaluate, and revise curricula, course content, materials, and/or methods of instruction. Share an experience.

44. Describe an examination you administered which was effective. How about one which was not as effective?

45. Name a time when your patience was tested. How did you keep your emotions in check?

46. Share a time when you successfully used scientific rules or methods to solve a problem at work.

47. Provide a time when you dealt calmly and effectively with a high-stress situation.

48. Share an effective method you have used to initiate, facilitate, and moderate class discussion. Provide an experience.

49. Provide an experience in which you were sensitive to someone's needs or feelings. How did your helpfulness affect your work environment?

50. Provide an effective method you have used to procure external research funding.

51. Provide a time when you were able to identify a complex problem, evaluate the options, and implement a solution. How did the solution benefit your employer?

52. Provide an example when you were able to prevent a problem because you foresaw the reaction of another

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person.

53. Share an experience in which your willingness to lead or offer an opinion helped your company.

54. Share an effective method you have used to advise students on curricula and career issues.

55. In your experience, what is the key to developing a good team? (Look for how they build mutual trust, respect, and cooperation.)

56. What factors do you consider when selecting class materials and supplies?

57. Describe an experience in which you performed administrative duties, e.g. serving as department head.

58. Share an experience in which your regular office hours helped you in assisting your students.

59. Provide an example of a time when you successfully organized a diverse group of people to accomplish a task.

60. Share an experience in which your participation in student recruitment, registration, and/or placement activities benefited your school.

61. Describe your experience serving on academic and/or administrative committees. How did your service benefit your school?

62. Tell me about the last time you monitored or reviewed information and detected a problem. How did you respond?

63. Share an experience in which personal connections to coworkers or others helped you to be successful in your work. (Make sure candidate works well with others.)

64. Provide an experience that demonstrates your ability to manage time effectively. What were the challenges and results?

65. What is the key to success when communicating with the public.

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66. Describe a time when you successfully persuaded another person to change his/her way of thinking or behavior.

67. Describe an experience in which your ability to work well with others and reconcile differences helped your company or employer. (Make sure the candidate knows how to negotiate.)

68. Share an experience in which you successfully acted as an adviser to a student organization.

69. In your experience, what is the key to ensuring your company was compliant with all laws, regulations and standards that were applicable to your area of responsibility?

70. Share an experience in which you provided professional consulting services.

71. Provide an effective method you have used to compile bibliographies for outside reading assignments.

72. Tell me about the last time you oversaw the work of someone else. How did you effectively motivate, develop, and direct the worker(s)?

73. Tell me about a time when your ability to analyze needs and product requirements helped you create an effective design or make an informed decision to benefit your company.

74. Share an experience in which you successfully coordinated with others. How about a coordination effort that was not as successful?

75. Provide an experience in which your ability to actively find ways to help people improved your company or your own work ethic.

76. Share an experience in which your diligence of inspecting equipment, structures, or materials helped you identify a problem or the cause of a problem.