



JAIPUR ENGINEERING COLLEGE  
AND RESEARCH CENTRE


Jaipur Engineering college and research  
centre, Shri Ram ki Nangal, via Sitapura  
RIICO Jaipur- 302 022.

Academic year-2020-21

### Questionnaires for Industrial Training (5<sup>th</sup>-Sem)

TOTAL RESPONSE-94

Questionnaires for Industrial Training					
	1	2	3	4	5
1	0	2	14	46	32
2	1	0	14	52	27
3	0	1	15	47	31
4	0	0	14	52	28
5	0	1	16	46	31
6	0	1	14	46	33
7	0	0	16	40	38
8	0	2	17	41	34
9	0	2	14	45	33
10	0	2	12	44	36
11	0	2	12	47	33
12	0	1	13	45	35

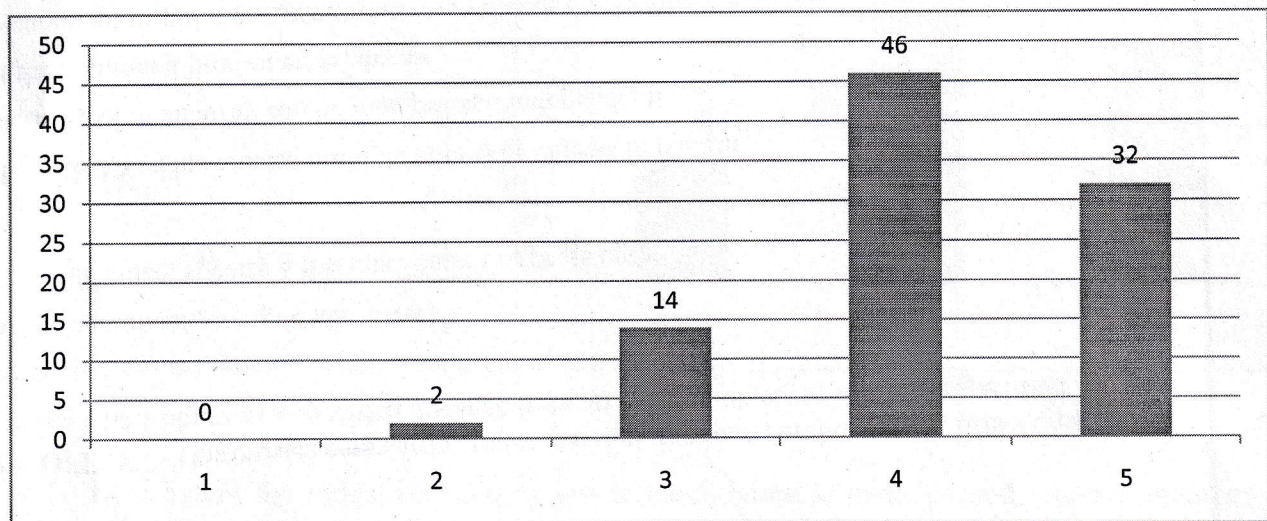
  
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Mechanical Engineering  
JECRC, Jaipur



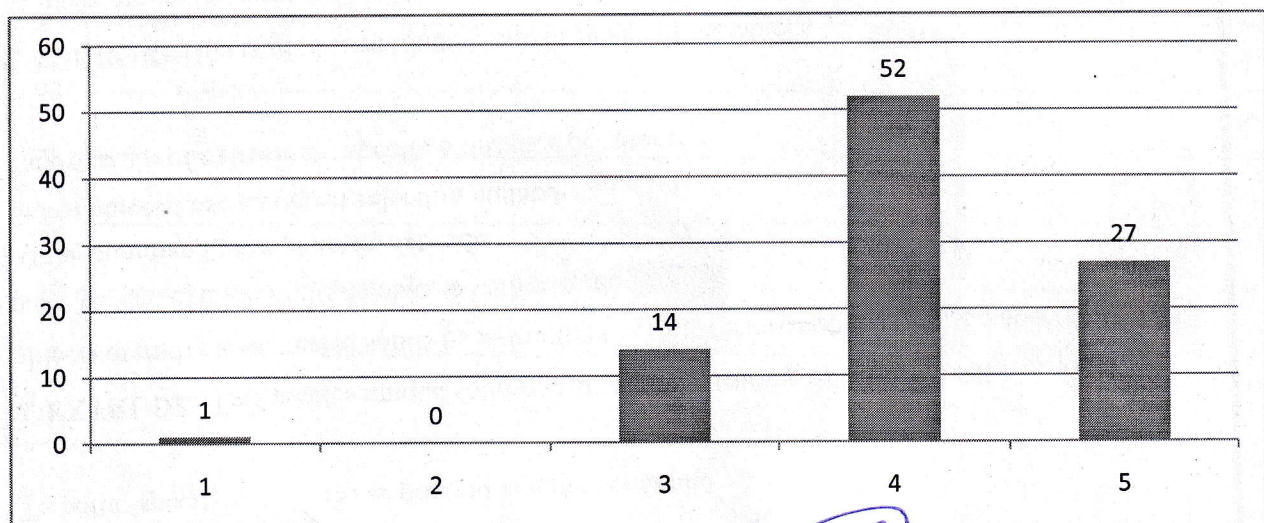
**The Question-wise analysis of all students (94 responses) of 5th semester ME industrial training for the academic year 2020-21 is as follows:**

**Question-wise analysis of all students (94 responses)**

1. To what extent the industrial training apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.



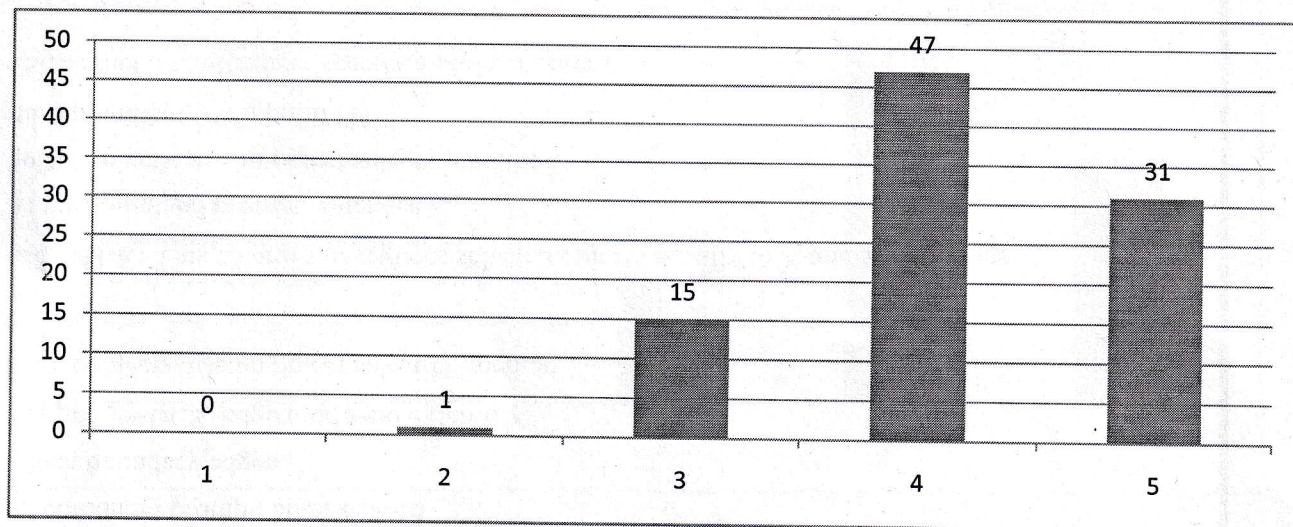
2. To what extent the industrial training identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.



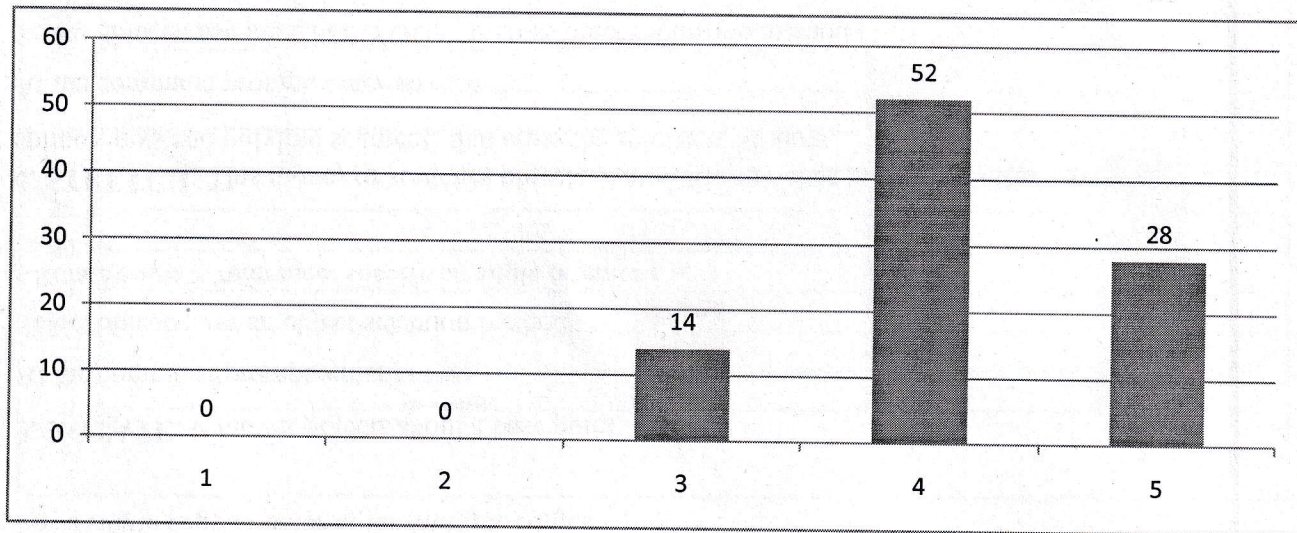




3. To what extent the industrial training design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.



4. To what extent the industrial training use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

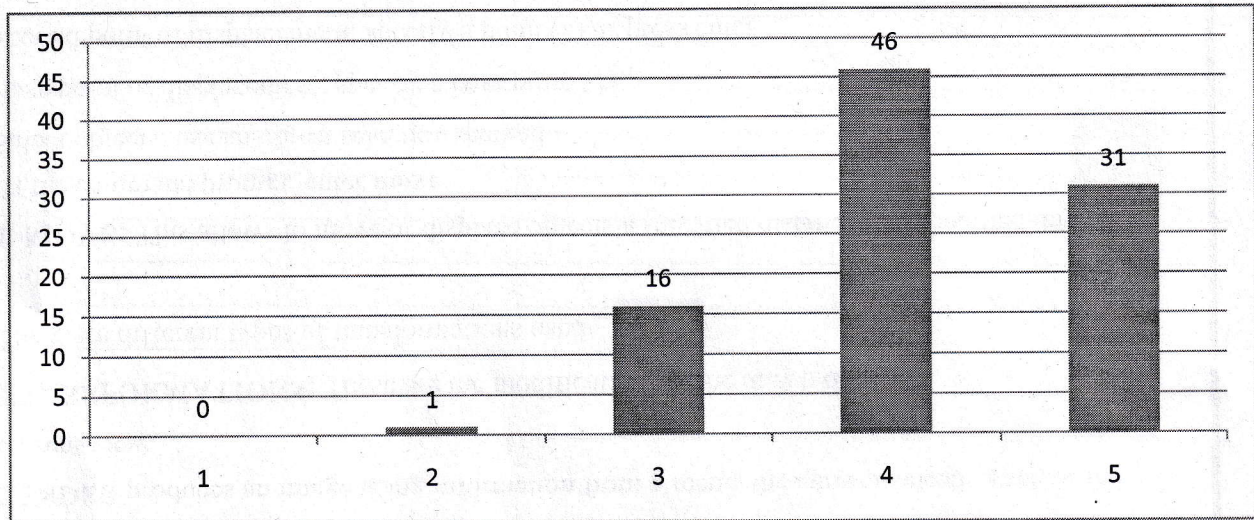


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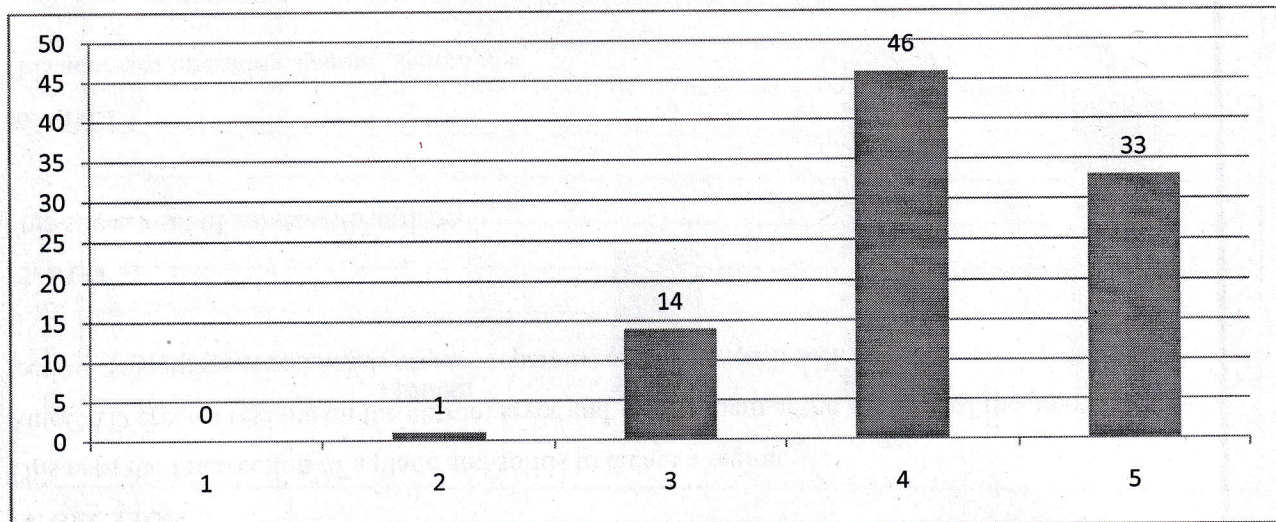




5. To what extent the industrial training create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.



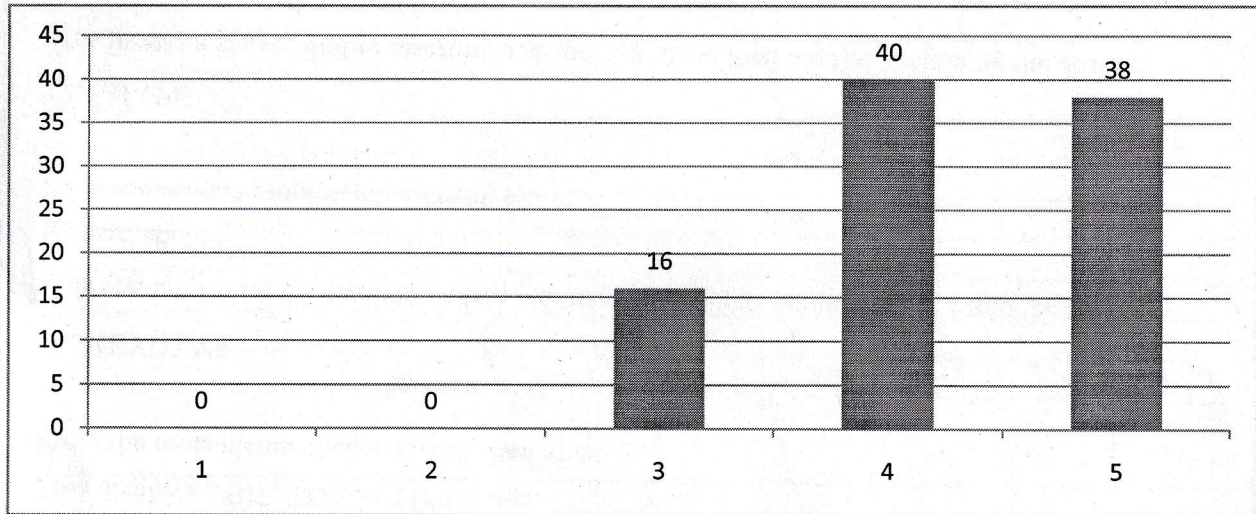
6. To what extent the industrial training apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.



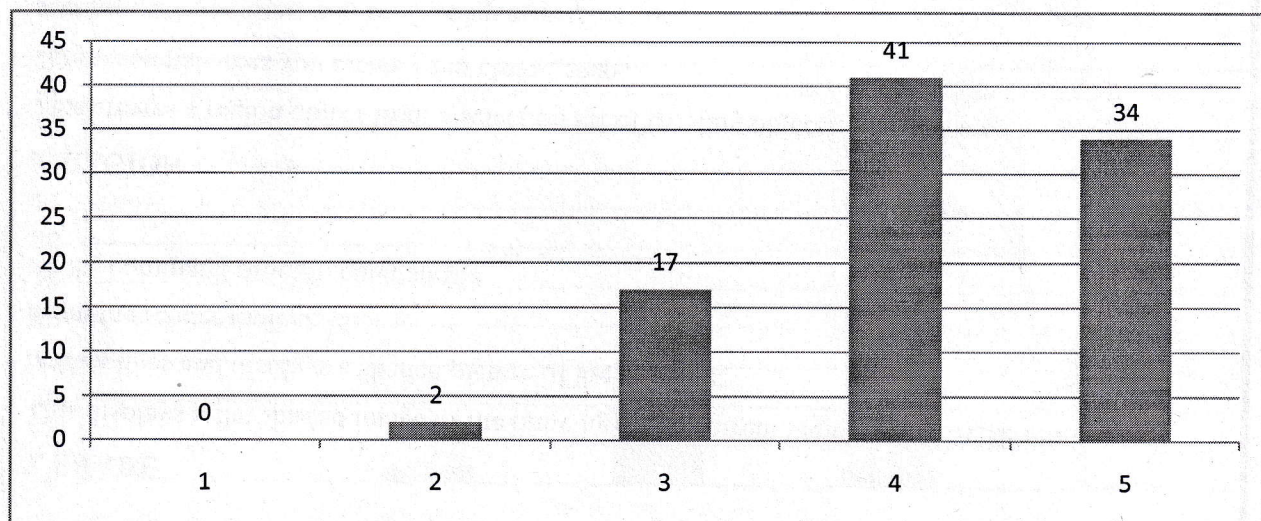
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7. To what extent the industrial training understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.



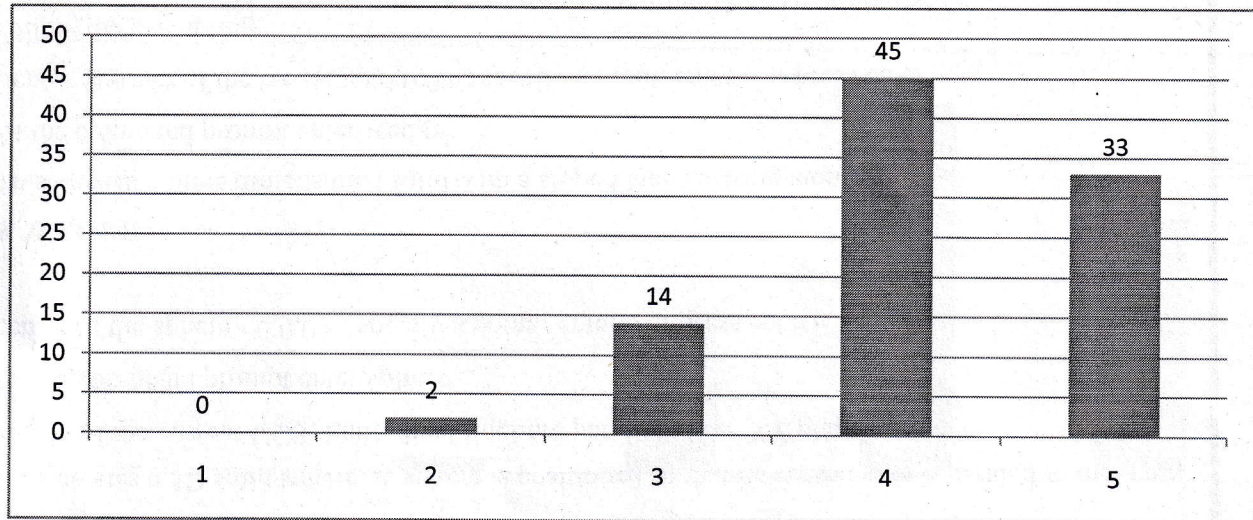
8. To what extent the industrial training apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.



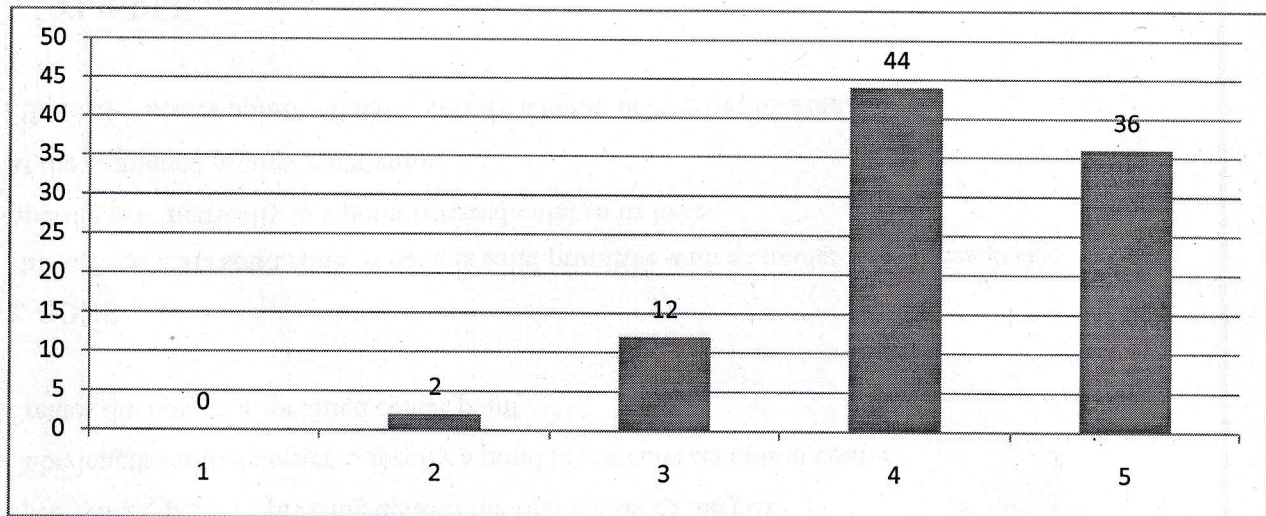


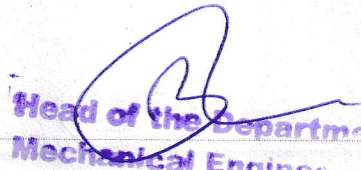


9. To what extent the industrial training function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings



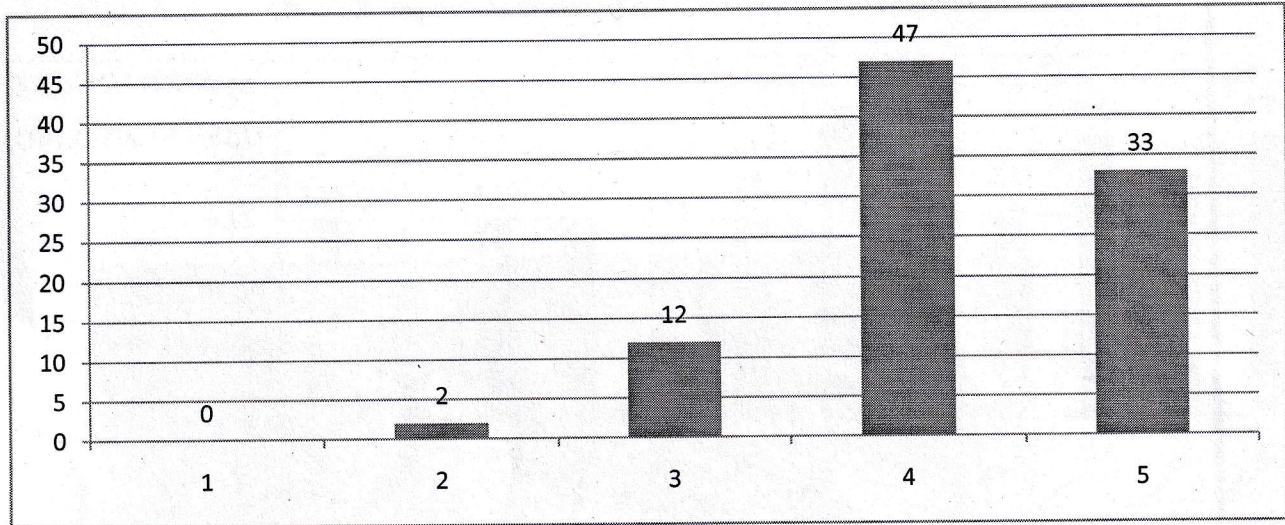
10. To what extent the industrial training communicates effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.



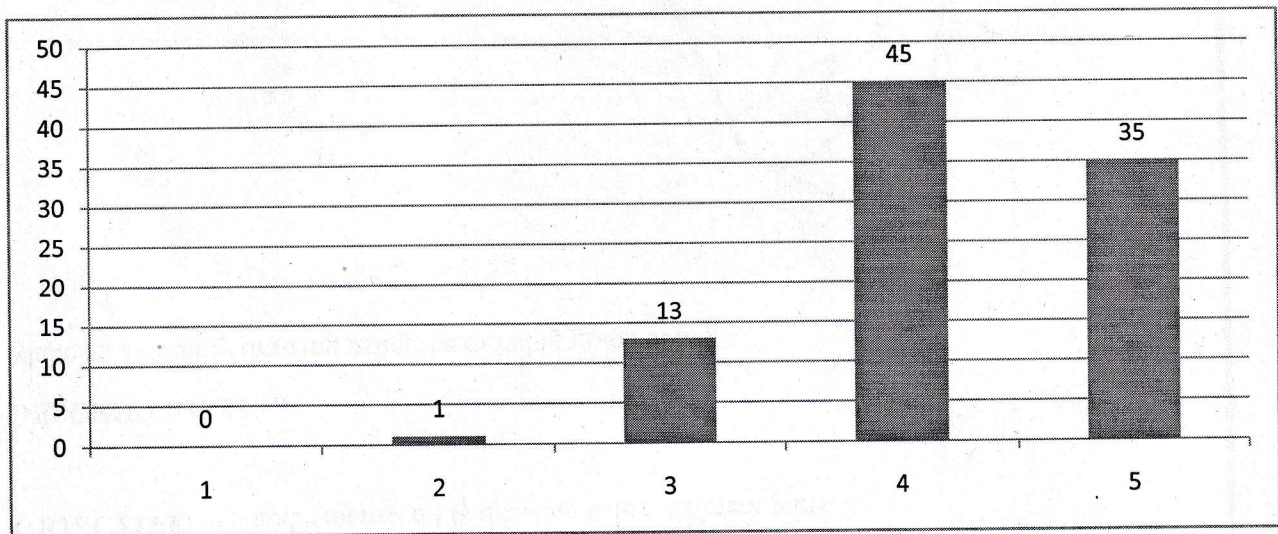
  
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11. To what extent the industrial training demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects in multidisciplinary environments.



12. To what extent the industrial training recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological changes needed.



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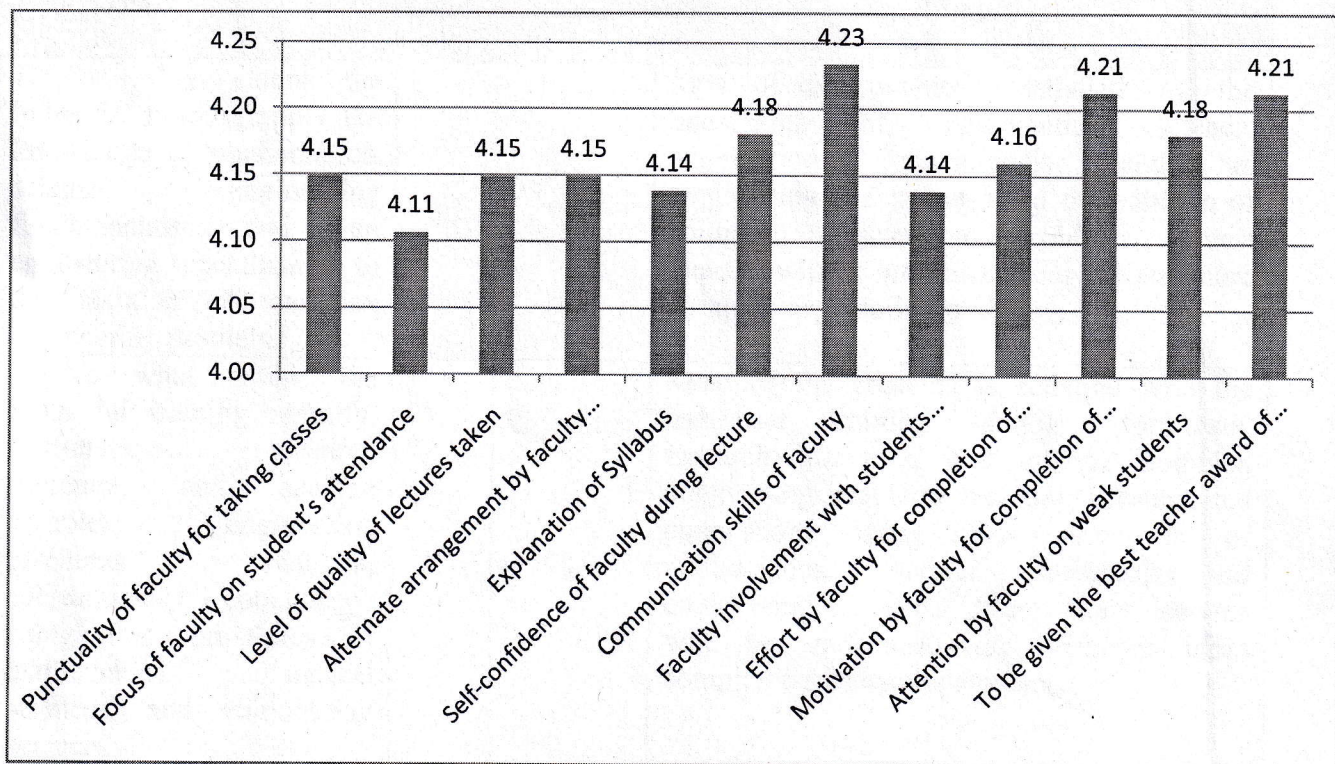
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The overall analysis of 5th semester ME industrial training for the academic year 2020-21 is as follows:

Overall impact analysis of all students (94 responses)



  
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**The summary of analysis with action taken of 5th semester ME industrial training for the academic year 2020-21 is as follows:**

Parameters	Responses		Action taken
	<60 %	≥60 %	
1. To what extent the industrial training apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.	2.1	97.9	Most of the students is satisfied with the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. Guest lectures will be introduced to overcome more complex engineering problems.
2. To what extent the industrial training identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.	1.1	98.9	Most of the students is satisfied with the industrial training identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. More guest lectures will be introduced to overcome more complex engineering problems.
3. To what extent the industrial training design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.	1.1	98.9	Most of the students is satisfied with the industrial training design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations. More social activities will be introduced by department.
4. To what extent the industrial training use research-based knowledge and research methods including design of	0	100	All the students is satisfied with the industrial training use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to





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experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.			provide valid conclusions. More information based lectures and visits will be introduced.
5. To what extent the industrial training create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.	1.1	98.9	Most of the students is satisfied with the industrial training create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations. More lectures of IT tools and visits will introduce.
6. To what extent the industrial training apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	1.1	98.9	Most of the students is satisfied with the industrial training apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice. More professional training will introduce.
7. To what extent the industrial training understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	0	100	All the students is satisfied with the industrial training understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. More environmental knowledge will introduce.
8. To what extent the industrial training apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	2.1	97.9	Most of the students is satisfied with the industrial training apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. More ethics lectures will introduce.
9. To what extent the industrial training function effectively as an individual,	2.1	97.9	Most of the students is satisfied with the industrial training function effectively as an individual, and as a member or leader in





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and as a member or leader in diverse teams, and in multidisciplinary settings.			diverse teams, and in multidisciplinary settings. More industrial visits and internship will introduce.
10. To what extent the industrial training communicates effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.	2.1	97.9	Most of the students is satisfied with the industrial training communicates effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. More project based learning will introduce.
11. To what extent the industrial training demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects in multidisciplinary environments.	2.1	97.9	Most of the students is satisfied with the industrial training demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects in multidisciplinary environments. More extra curricular activities will introduce to boost leadership quality in student.
12. To what extent the industrial training recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological changes needed.	1.1	98.9	Most of the students is satisfied with the industrial training recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological changes needed. More technological knowledge will introduce with practical.