MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS)
Estd 1998

Affiliated to JNTUA, Anantapur & Approved by AICTE, New Delhi
Recognised Research Center
Accredited by NBA for CSE, ECE, EEE & ME
World Bank funded Institute
Recognised by UGC under the sections 2(f) and 12(B) of the UGC act 1956
Recognised as Scientific & Industrial Research Organization by DSIR of DST

DEPARTMENT OF MECHANICAL ENGINEERING

Graduate Exit Survey 2019 Pass out

Programme: B.Tech. Branch : Mechanical Engineering

Below are given some fields specifically related to the graduate attributes. You may indicate the extent to which these graduate attributes of the Program were advantage in solving real life challenges faced in outside world

We consider your response highly valuable.

You may rate your response as follows on a five point scale. Tick mark against your option.

http://www.quia.com/sv/994918.html

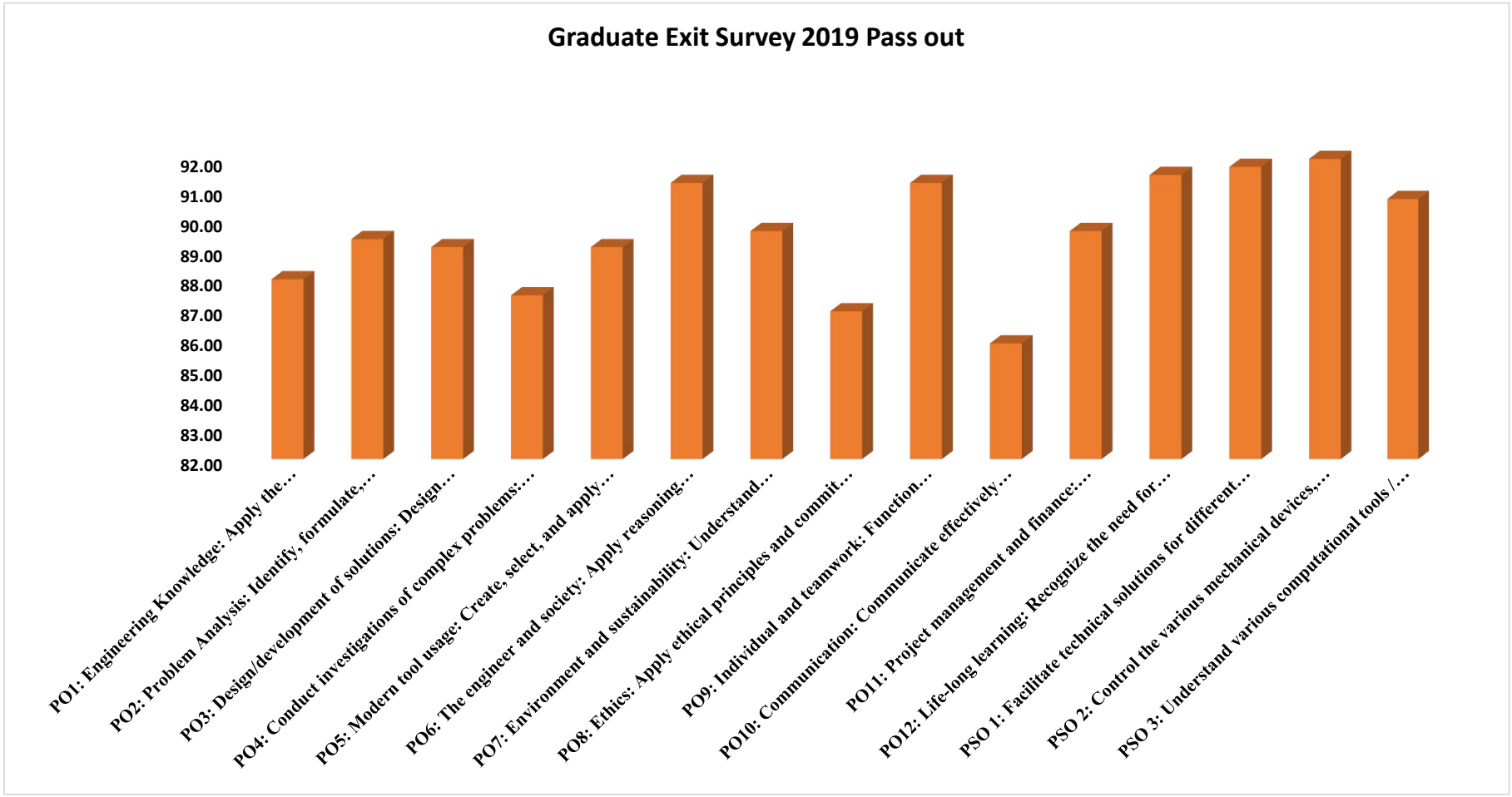
Number of respondents

85

5-To a Great Extent 4-To Some Extent 3-Neutral 2-To a Slight Extent 1-To a Very little Extent

1	Graduate Exit Survey	Response Tallies and Percentages					Attainment	% of Attainment
		[1]	[2]	[3]	[4]	[5]		
	PO1: Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialisation for the solution of complex engineering problems.	1	5	8	10	51	0.88	88.00
	PO2: Problem Analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.	1	3	7	13	51	0.89	89.33
	PO3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.	1	1	10	14	49	0.89	89.07
	PO4: Conduct investigations of complex problems: Use research-based knowledge including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.	1	3	9	16	46	0.87	87.47

	PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations	1	4	4	17	49	0.89	89.07
	PO6: The engineer and society: 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	2	7	9	56	0.91	91.20
	PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development	1	2	8	13	51	0.90	89.60
	PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norm of the engineering practice	1	3	9	18	44	0.87	86.93
	PO9: Individual and teamwork: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings	1	2	6	11	55	0.91	91.20
	PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with t h e 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.	1	5	8	18	43	0.86	85.87
	PO11: Project management and finance: 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 and in multidisciplinary environments.	1	3	6	14	51	0.90	89.60
	PO12: Life-long learning: Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.	1	1	6	13	54	0.91	91.47
	PSO 1: Facilitate technical solutions for different machine technological issues to maintain the stability and reliability of Mechanical Systems	1	2	5	11	56	0.92	91.73
	PSO 2: Control the various mechanical devices, drives, actuators, mechanisms and machines used in industry	1	2	5	10	57	0.92	92.00
	PSO 3: Understand various computational tools / methods for the design and analysis of various mechanical systems.	1	3	5	12	54	0.91	90.67


Graduate Exit Survey 2019 Pass out
92.00
91.00
90.00
89.00
88.00
87.00
86.00
85.00
84.00
83.00
82.00
PO1: Engineering Knowledge: Apply the…
PO2: Problem Analysis: Identify, formulate,…
PO3: Design/development of solutions: Design…
PO4: Conduct investigations of complex problems:…
PO5: Modern tool usage: Create, select, and apply…
PO6: The engineer and society: Apply reasoning…
PO7: Environment and sustainability: Understand…
PO8: Ethics: Apply ethical principles and commit…
PO9: Individual and teamwork: Function…
PO10: Communication: Communicate effectively…
PO11: Project management and finance:…
PO12: Life-long learning: Recognize the need for…
PSO 1: Facilitate technical solutions for different…
PSO 2: Control the various mechanical devices,…
PSO 3: Understand various computational tools /…

HOD

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS)
Estd 1998
Affiliated to JNTUA, Anantapur & Approved by AICTE, New Delhi
Recognised Research Center
Accredited by NBA for CSE, ECE, EEE & ME
World Bank funded Institute
Recognised by UGC under the sections 2(f) and 12(B) of the UGC act 1956
Recognised as Scientific & Industrial Research Organization by DSIR of DST

DEPARTMENT OF MECHANICAL ENGINEERING

Graduate Exit Survey 2018 Pass out

Programme**: B.Tech.** Branch : **Mechanical Engineering**

Below are given some fields specifically related to the graduate attributes. You may indicate the extent to which these graduate attributes of the Program were advantage in solving real life challenges faced in outside world

We consider your response highly valuable.

You may rate your response as follows on a five point scale. Tick mark against your option.

http://www.quia.com/sv/994885.html

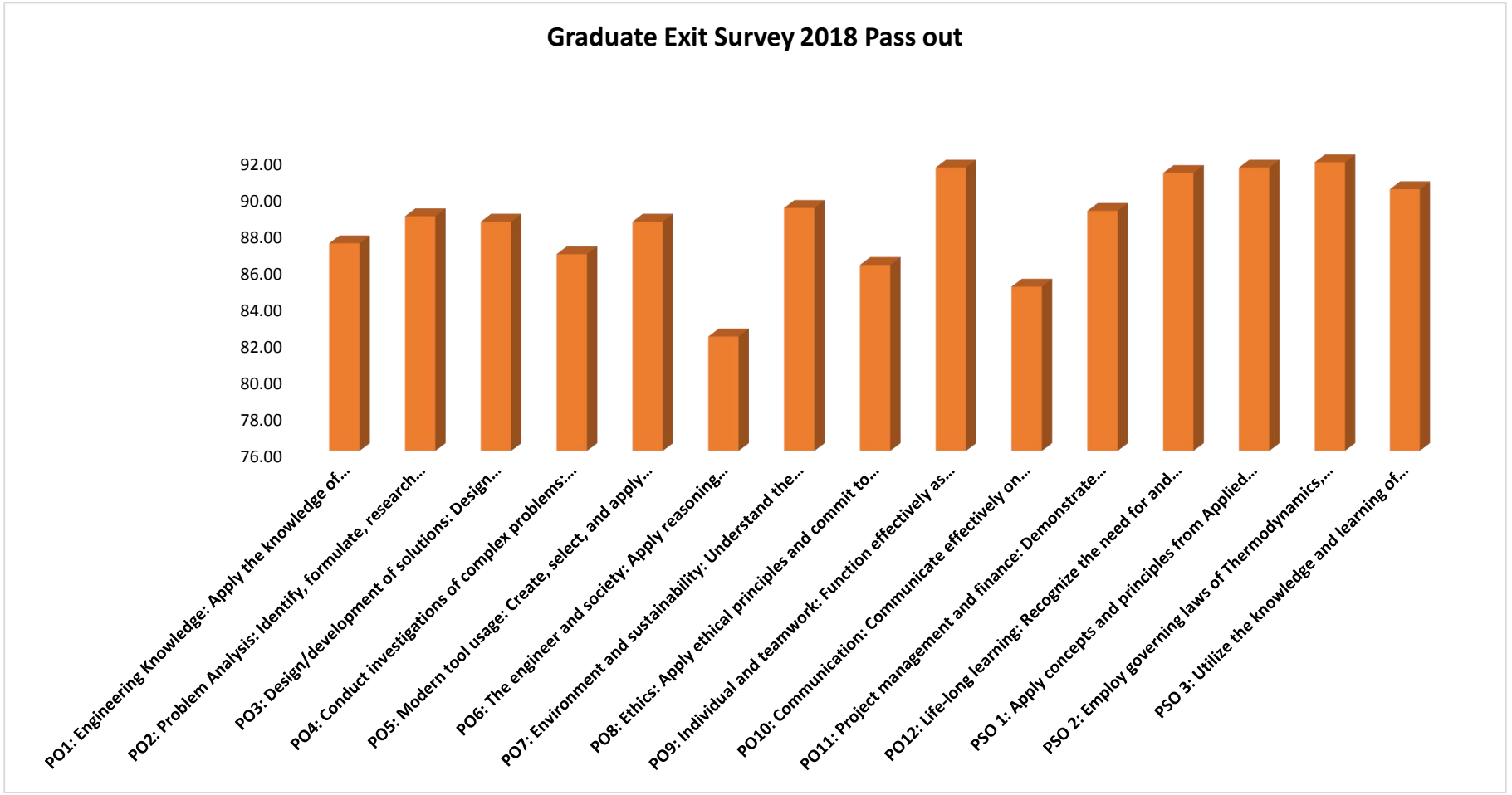
Number of respondents

71

5-To a Great Extent 4-To Some Extent 3-Neutral 2-To a Slight Extent 1-To a Very little Extent

1	Graduate Exit Survey	Response Tallies and Percentages					Attainment	% of Attainment
		[1]	[2]	[3]	[4]	[5]		
	PO1: Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialisation for the solution of complex engineering problems.	1	5	8	8	46	0.87	87.35
	PO2: Problem Analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.	1	3	7	11	46	0.89	88.82
	PO3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.	1	1	10	12	44	0.89	88.53

	PO4: Conduct investigations of complex problems: Use research-based knowledge including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.	1	3	9	14	41	0.87	86.76
	PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations	1	4	4	15	44	0.89	88.53
	PO6: The engineer and society: 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	2	7	7	18	0.82	82.29
	PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development	1	2	8	11	47	0.89	89.28
	PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norm of the engineering practice	1	3	9	16	39	0.86	86.18
	PO9: Individual and teamwork: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings	1	2	5	9	51	0.91	91.47
	PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with t h e 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.	1	5	8	16	38	0.85	85.00
	PO11: Project management and finance: 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 and in multidisciplinary environments.	1	3	6	12	46	0.89	89.12
	PO12: Life-long learning: Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.	1	1	6	11	49	0.91	91.18
	PSO 1: Apply concepts and principles from Applied Mechanics to design, develop, and evaluate mechanical systems for a specified purpose	1	2	5	9	51	0.91	91.47
	PSO 2: Employ governing laws of Thermodynamics, Fluid flow and Heat Transfer for design and analysis of thermo-fluid systems	1	2	5	8	52	0.92	91.76
	PSO 3: Utilize the knowledge and learning of materials and manufacturing sciences to design, plan and monitor production operations in an Industry.	1	3	5	10	49	0.90	90.29


Graduate Exit Survey 2018 Pass out
92.00
90.00
88.00
86.00
84.00
82.00
80.00
78.00
76.00
PO1: Engineering Knowledge: Apply the knowledge of...
PO2: Problem Analysis: Identify, formulate, research...
PO3: Design/development of solutions: Design...
PO4: Conduct investigations of complex problems:...
PO5: Modern tool usage: Create, select, and apply...
PO6: The engineer and society: Apply reasoning...
PO7: Environment and sustainability: Understand the...
PO8: Ethics: Apply ethical principles and commit to...
PO9: Individual and teamwork: Function effectively as...
PO10: Communication: Communicate effectively on...
PO11: Project management and finance: Demonstrate...
PO12: Life-long learning: Recognize the need for and...
PSO 1: Apply concepts and principles from Applied...
PSO 2: Employ governing laws of Thermodynamics,...
PSO 3: Utilize the knowledge and learning of...

HOD