SEMT	Exit Survey

Exit Survey upon Graduation for B.Eng (Mechanical – Aeronautics)
Department: Department of Aeronautics, Automotive & Ocean Engineering (JKAAS)

Graduation: 2019
Year Graduation: 4
Total Number of Students: 25

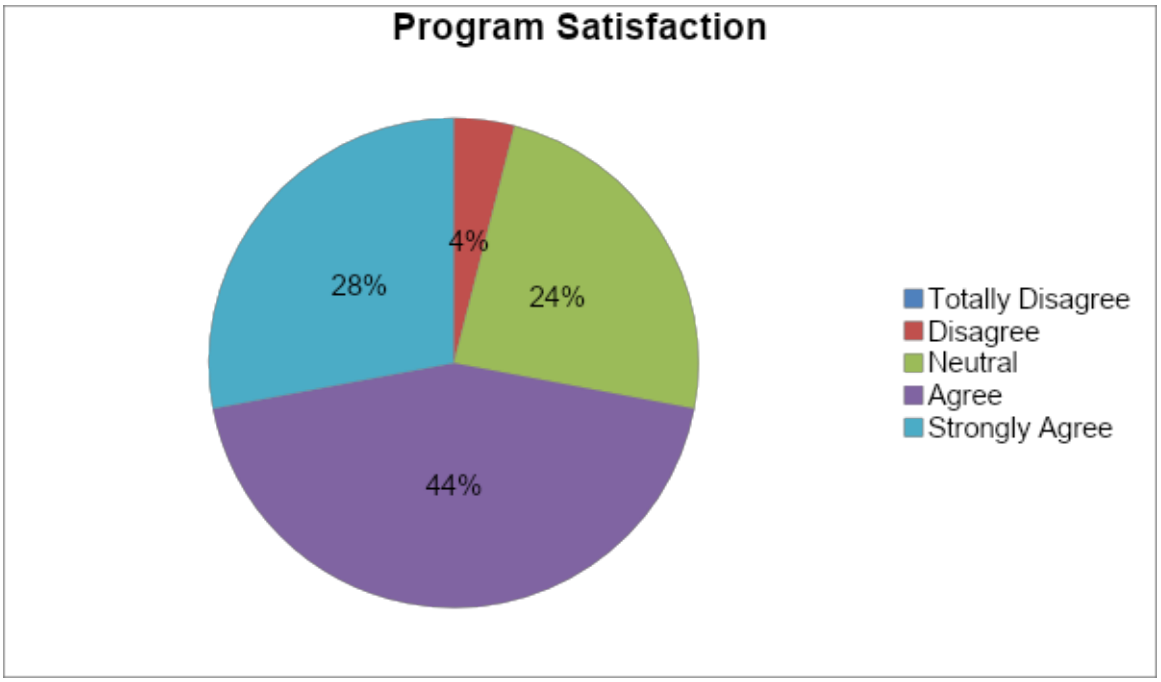
SUMMARY OF SURVEY DATA

ITEM	RESULTS
Question A : Program	● 72 % of the respondents agreed that they were satisfied with Mechanical Engineering Program. ● 76 % of the respondents agreed that the course is available to allow graduation without delay. ● 72 % of the respondents agreed with the content of courses offered.
Question B : Lecturer	● 64 % of the respondents were satisfied with the availability and accessible of lecturers during office hour for out -of class help. ● 68 % of the respondents agreed that the lecturers were knowledgeable in their subject matter. ● 52 % of the respondents agreed that the lecturers were good teachers and communicators. ● 56 % of the respondents generally agreed that the lecturers were helpful and care about the professional development of students. ● 52 % of the respondents agreed that the lecturers were available to listen and act promptly on student concerns. ● 52 % of the respondents agreed that the lecturers are good in supervising and advising.
Question C : Ability upon Graduation	The survey questions in this part are proposed to observe the students perception on their competent in the Technical and Generic skills as state in the program outcome (PO). The Key Performance Indicator set by the school are none of the POs score below than 65% KPI threshold. The achievement of each PO planned by school as in follow: ● 64 % of the respondents agreed that they are able to acquire and apply fundamental knowledge of mathematics, science and engineering principles to solve complex mechanical and aeronautical engineering problems, KPI do not achieved.

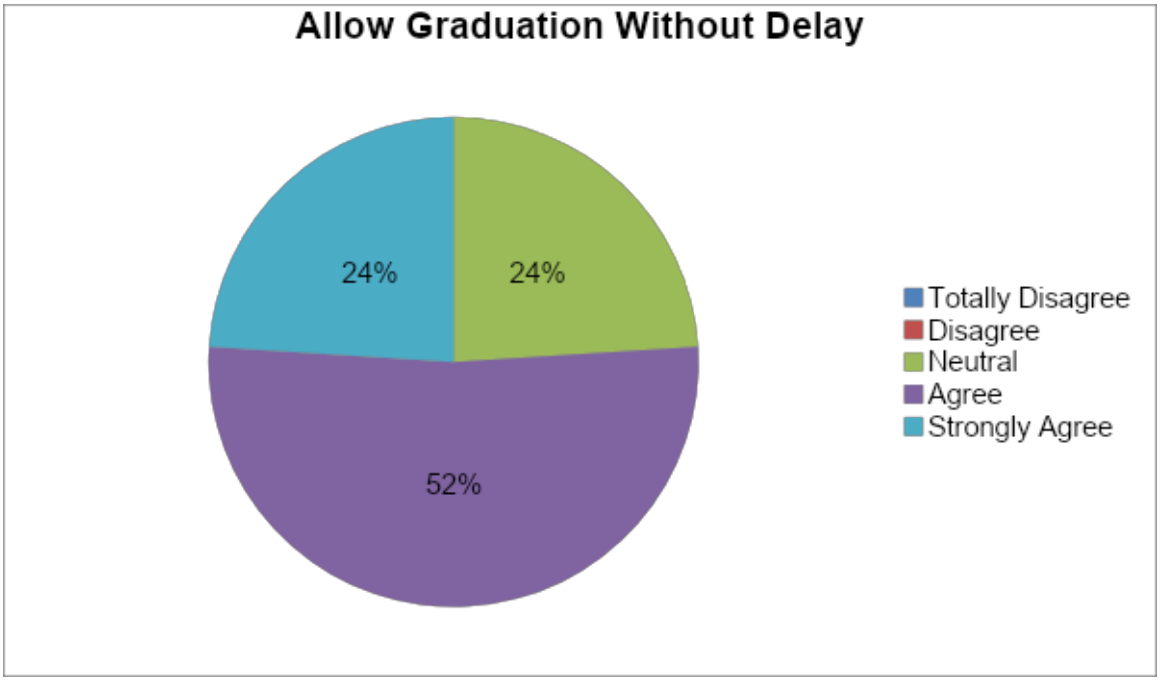
	• 64 % of the respondents agreed that they are able to identify, formulate and analyse complex mechanical and aeronautical engineering problems, KPI do not achieved. • 60 % of the respondents agreed that they have the ability to design solutions for complex mechanical and aeronautical engineering problems that fulfil health, safety, societal, cultural and environmental needs, KPI do not achieved. • 64 % of the respondents agreed that they have the ability to investigate complex mechanical and aeronautical engineering problems using research-based knowledge and methods to produce conclusive results, KPI do not achieved. • 60 % of the respondents agreed that they have the ability to use modern engineering and information technology (IT) tools in complex mechanical and aeronautical engineering activities, with an understanding of limitations, KPI do not achieved. • 68 % of the respondents agreed that they have the ability to apply professional engineering practice related to societal, health, safety, legal and cultural issues with full responsibility and integrity, KPI achieved. • 64 % of the respondents agreed that they have the ability to identify the impact of mechanical and aeronautical engineering solutions on sustainability and demonstrate the needs for sustainable development in societal and environmental contexts, KPI do not achieved. • 76 % of the respondents agreed that they have the ability to apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice, KPI achieved. • 68 % of the respondents agreed that they can communicate effectively on complex mechanical and aeronautical engineering activities both orally and in writing, KPI achieved. • 68 % of the respondents agreed that they can work productively as an individual, and as a member or leader in a team that may involve multi-disciplinary settings, KPI achieved. • 68 % of the respondents agreed that they have the ability to undertake lifelong learning and manage information including conducting literature study, KPI achieved. • 72 % of the respondents agreed that they have the ability to demonstrate and apply knowledge on finance and management principles and acquire entrepreneurship skill, KPI achieved.

Question D : General Information	• 48 % of the respondents are not that they will receive job offers according to their expectation and training. • 56 % of the respondents agreed that they recognize the needs for engaging in life-long learning. • 40 % of the respondents agreed that they are ready to pursue graduate studies any time from now.
Question E : Professional Membership Registration	• 64 % of the respondents are engage Professional Body such as IEM, and etc.
Question F : Job Offer Before Convocation	• 92 % of the respondents said that they did not receive job offer before graduate.

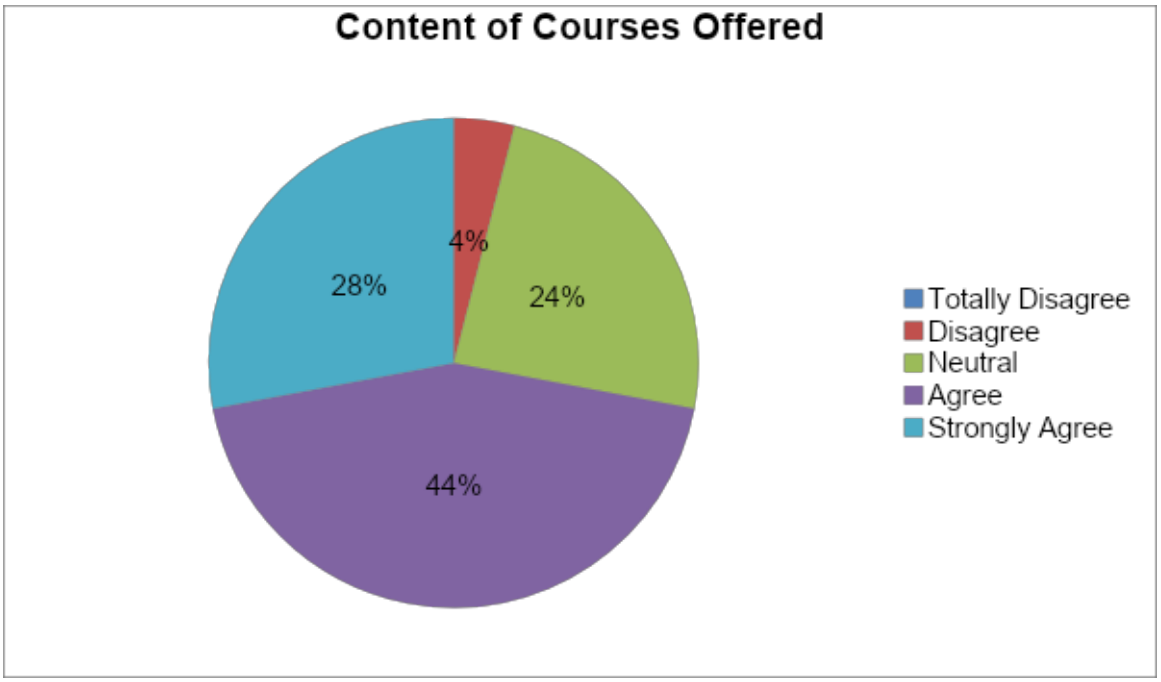
DETAIL ANALYSIS OF SURVEY DATA
Question A
PROGRAM
I am satisfied with:



- 72 % of the respondents agreed that they were satisfied with Mechanical Engineering Program.



- 76 % of the respondents agreed that the course is available to allow graduation without delay.

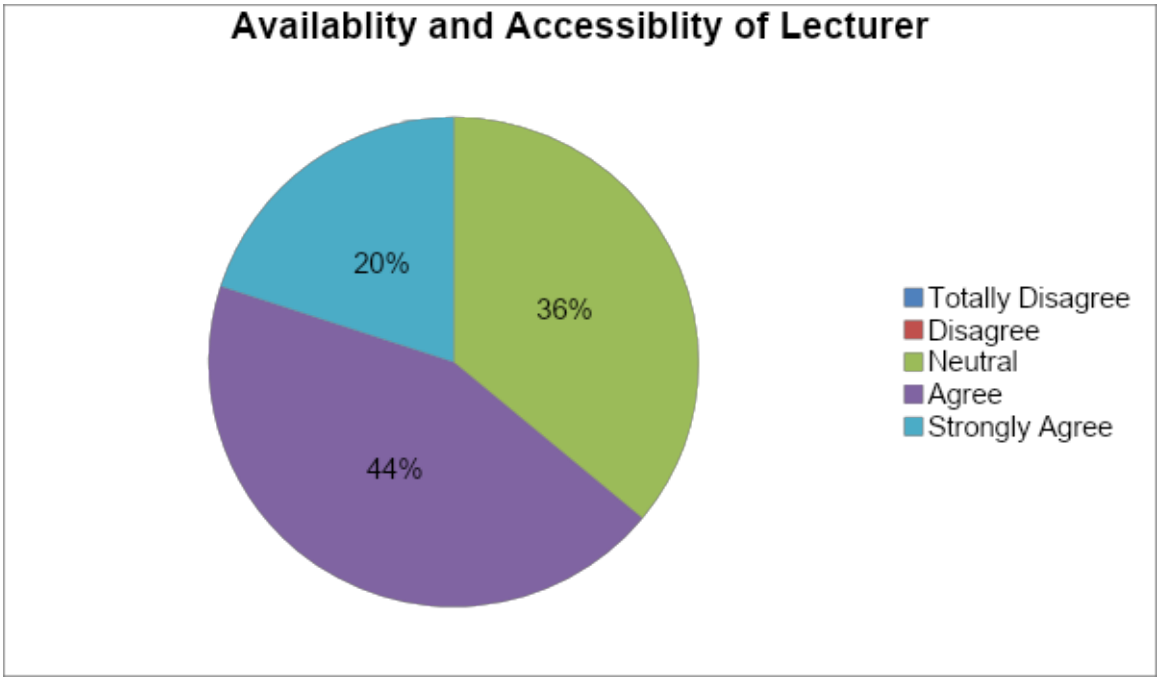


- 72 % of the respondents agreed with the content of courses offered.

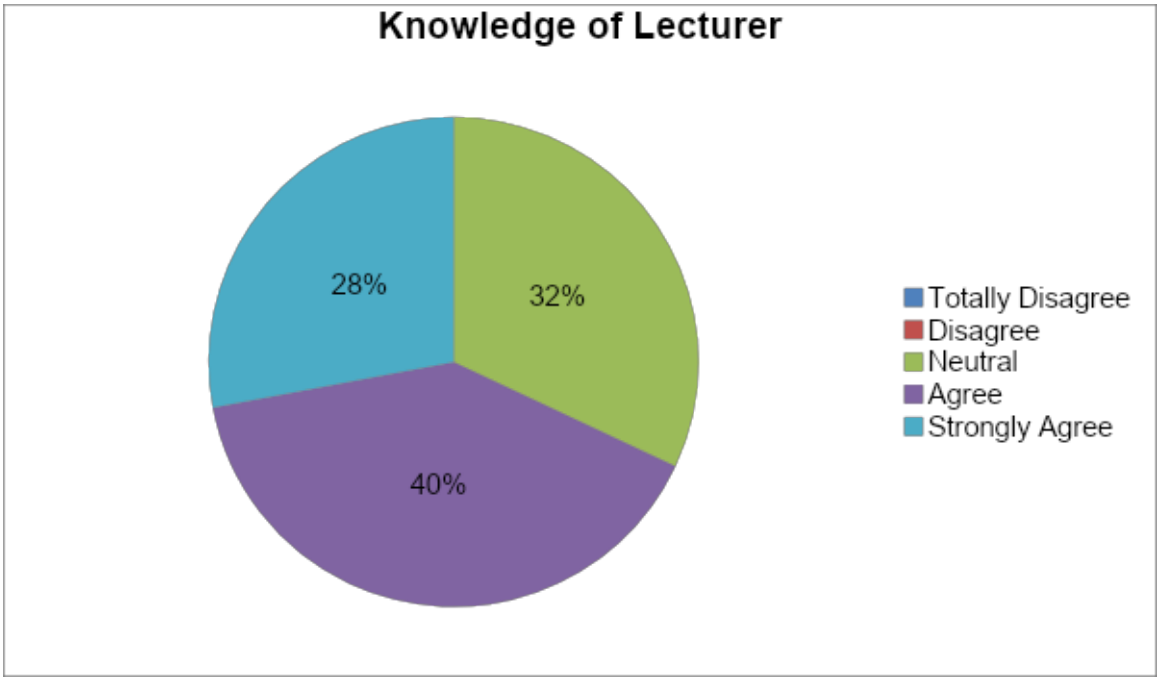
Question B

LECTURER

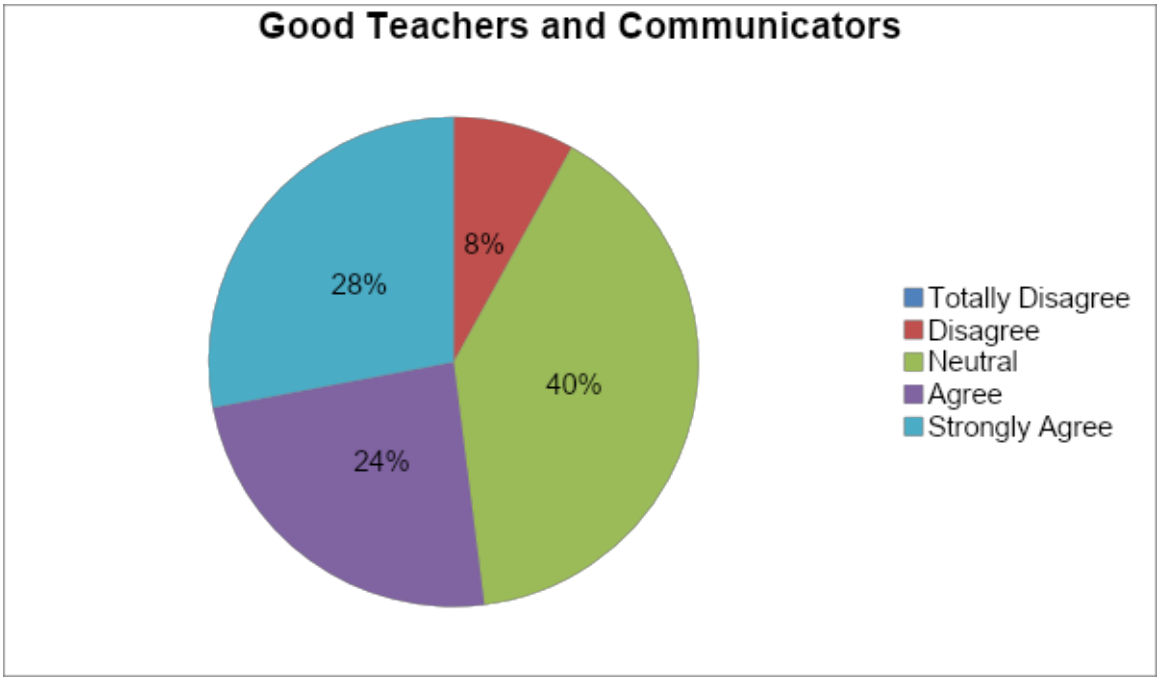
Lecturers in AAOE are:



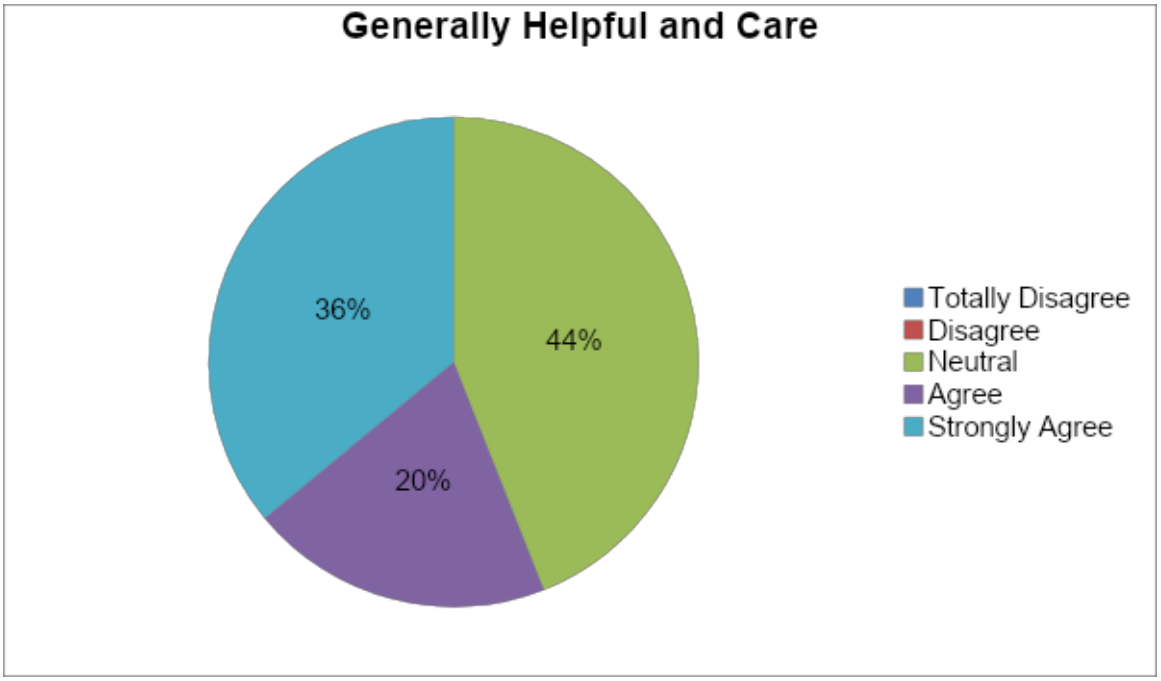
- 64 % of the respondents were satisfied with the availability and accessible of lecturers during office hour for out -of class help.



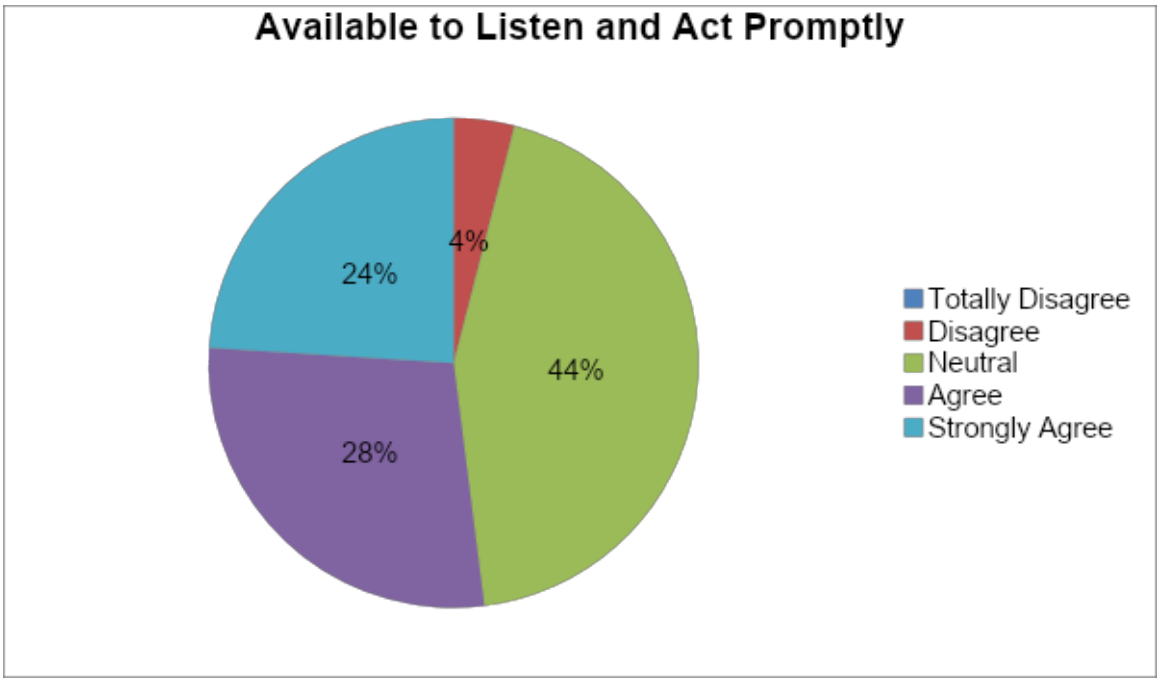
- 68 % of the respondents agreed that the lecturers were knowledgeable in their subject matter.



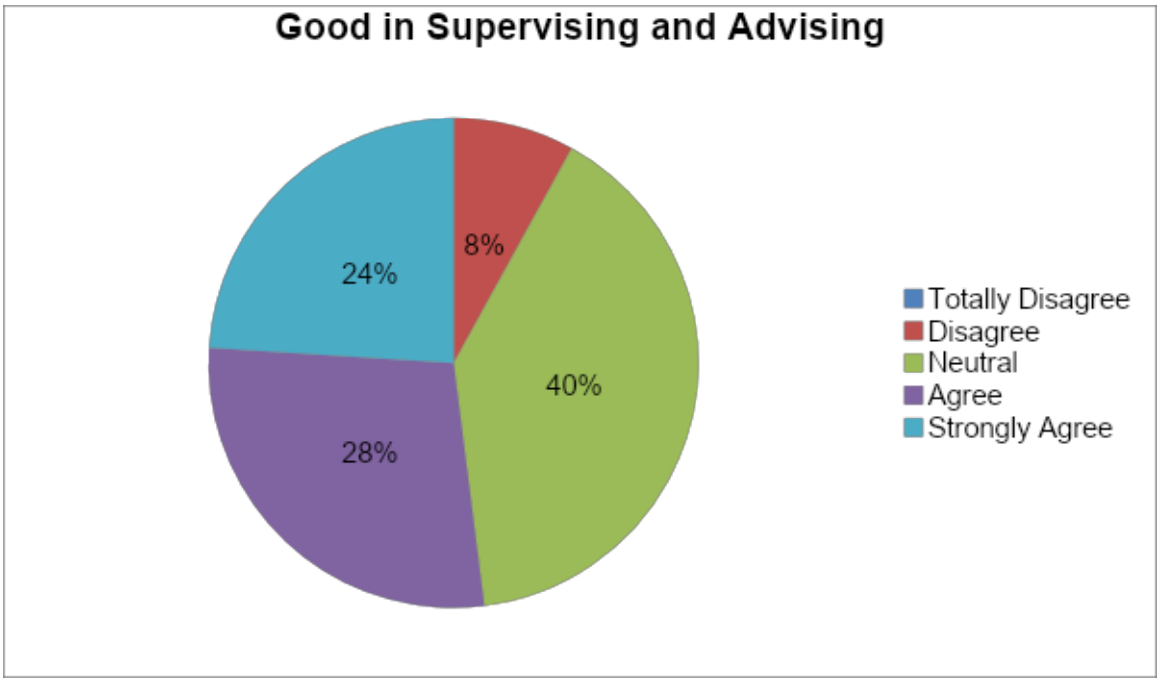
- 52 % of the respondents agreed that the lecturers were good teachers and communicators.



- 56 % of the respondents generally agreed that the lecturers were helpful and care about the professional development of students.



- 52 % of the respondents agreed that the lecturers were available to listen and act promptly on student concerns.

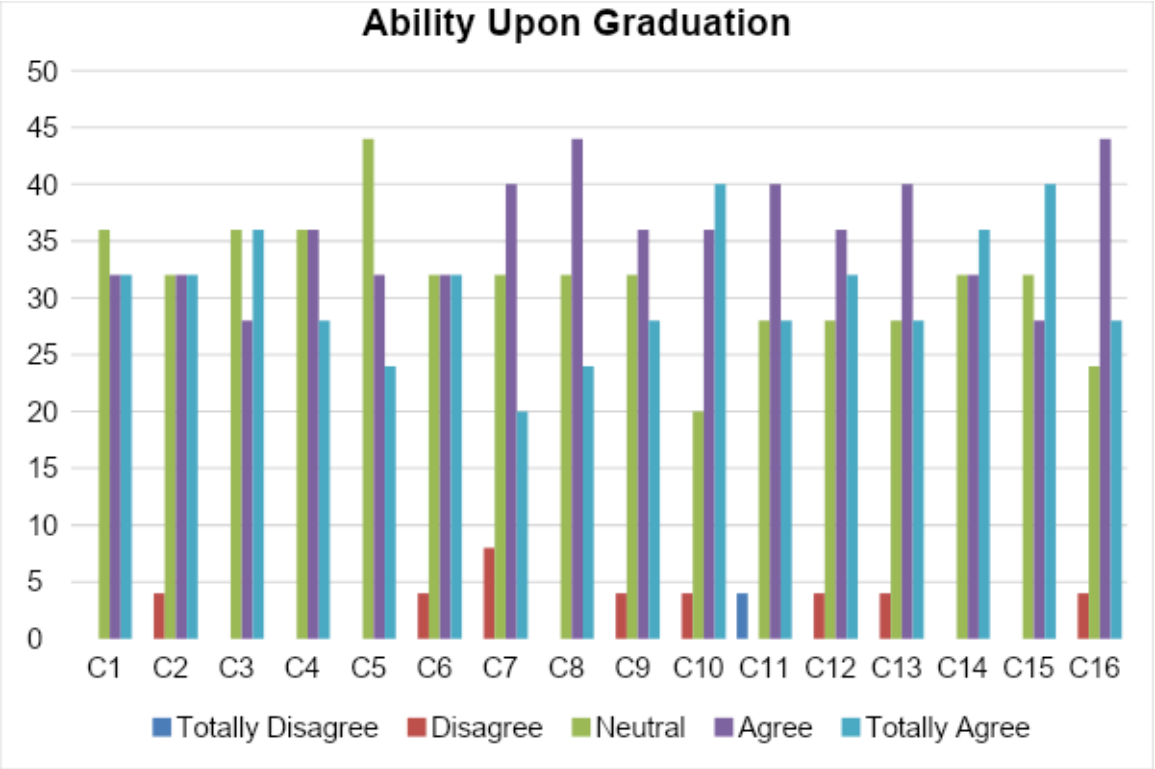


- 52 % of the respondents agreed that the lecturers are good in supervising and advising.

Question C

ABILITY UPON GRADUATION

I have the ability to:



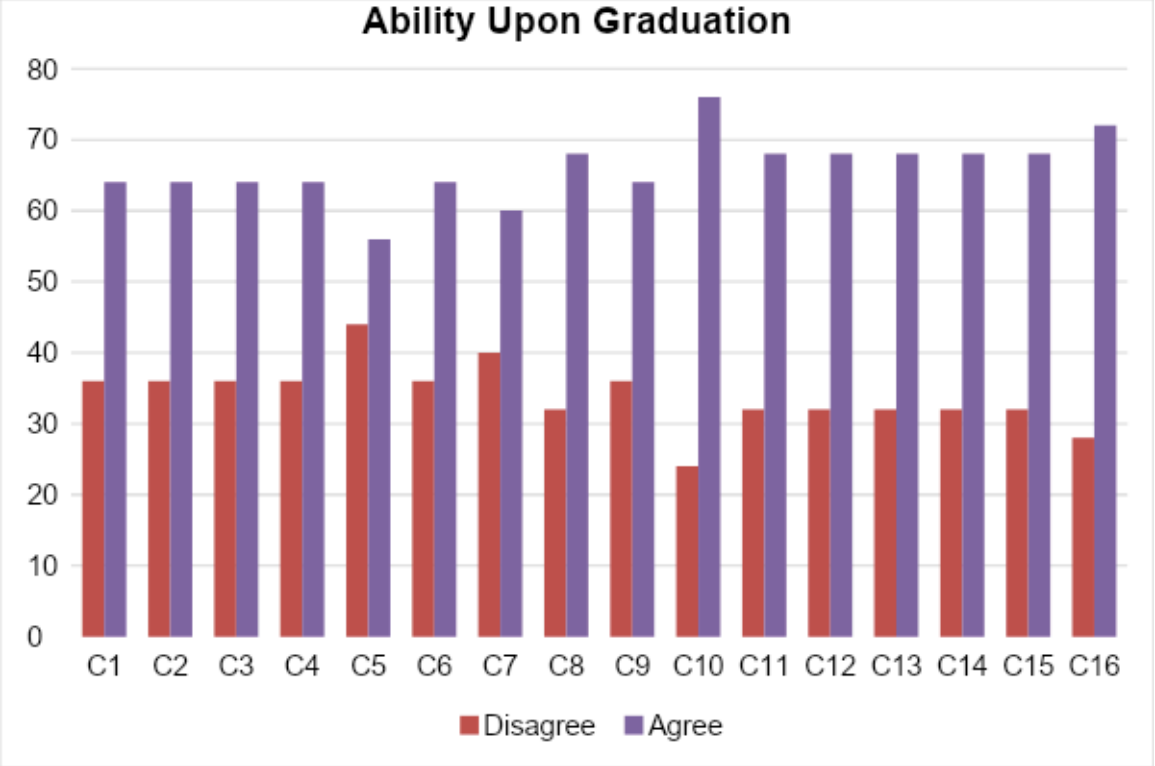
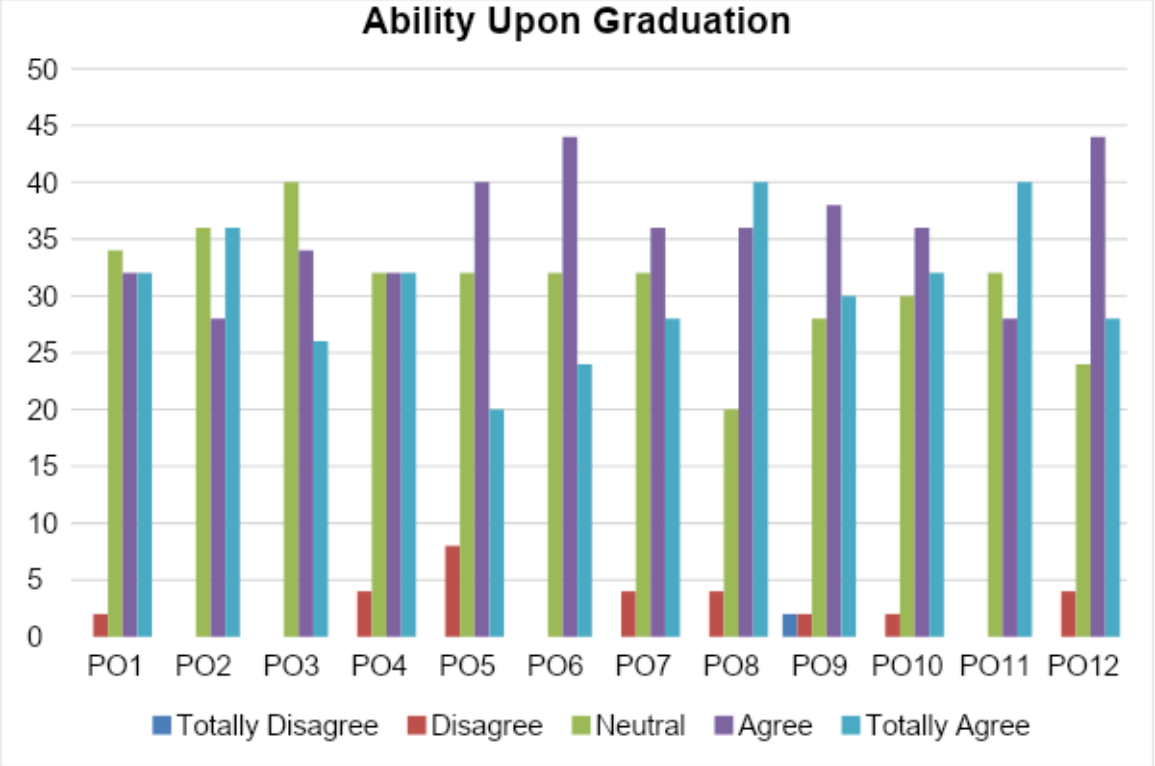


Chart Label:

C1	Apply knowledge of mathematics and sciences to solve engineering problems
C2	Apply knowledge from core engineering courses
C3	Identify, formulate, and solve engineering problems
C4	Design and conduct experiments
C5	Design systems/processes to meet desired needs
C6	Analyse and interpret engineering data
C7	Use modern engineering tools in the practice of industrial and systems engineering
C8	Address contemporary issues in safety, health, legal and cultural aspects
C9	Appreciate the societal and global impacts of engineering solutions
C10	Understand of professional and ethical responsibility
C11	Orally communicate effectively
C12	Communicate by written effectively
C13	Work as individual and member in multi-disciplinary environments
C14	Be a team leader

C15	Engage in life-long learning
C16	Manage project and cost in multi-disciplinary environments


Ability Upon Graduation
50
45
40
35
30
25
20
15
10
5
0
PO1
PO2
PO3
PO4
PO5
PO6
PO7
PO8
PO9
PO10
PO11
PO12
Totally Disagree
Disagree
Neutral
Agree
Totally Agree

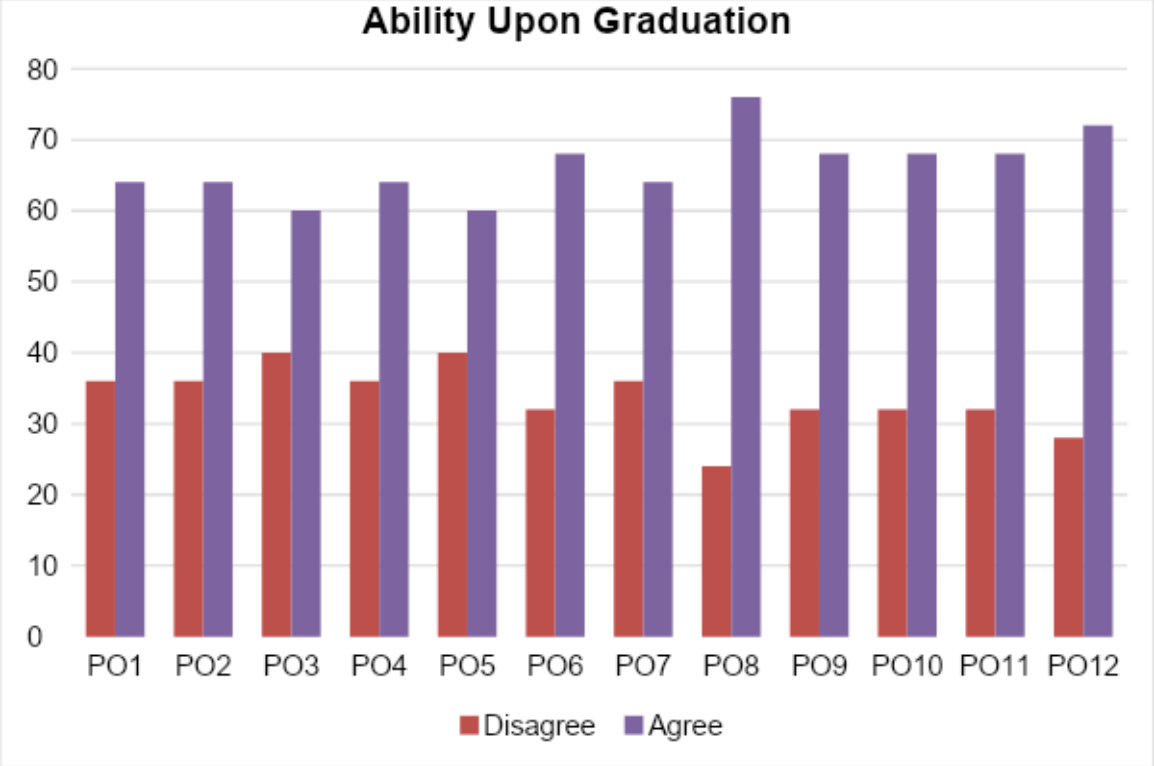
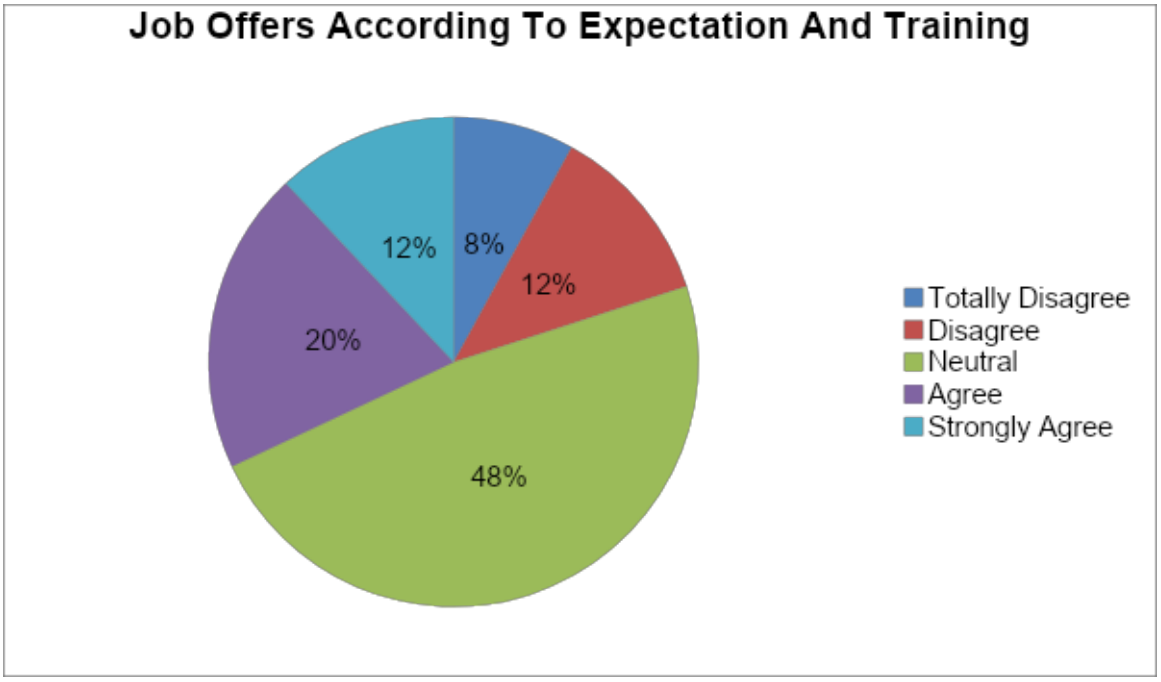

Ability Upon Graduation
80
70
60
50
40
30
20
10
0
PO1
PO2
PO3
PO4
PO5
PO6
PO7
PO8
PO9
PO10
PO11
PO12
Disagree
Agree

Chart Label:

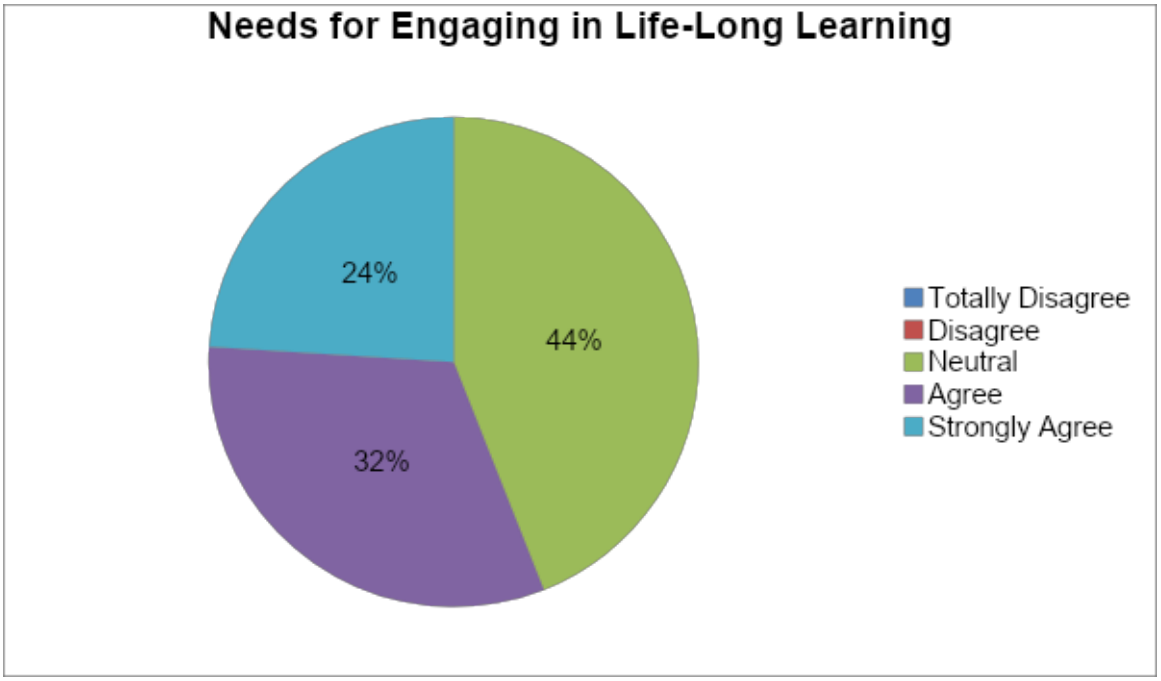
PO1	Fundamental Knowledge
PO2	Identify, Formulate And Analyse
PO3	Design Solutions
PO4	Investigate Complex Mechanical Problems
PO5	Modern Engineering And Information Technology (IT) Tools
PO6	Apply Professional Engineering Practice
PO7	Sustainable Development in Societal and Environmental Contexts
PO8	Ethical Principles
PO9	Communicate Effectively
PO10	Work Productively
PO11	Life-Long Learning
PO12	Knowledge on Finance and Management

QUESTION D

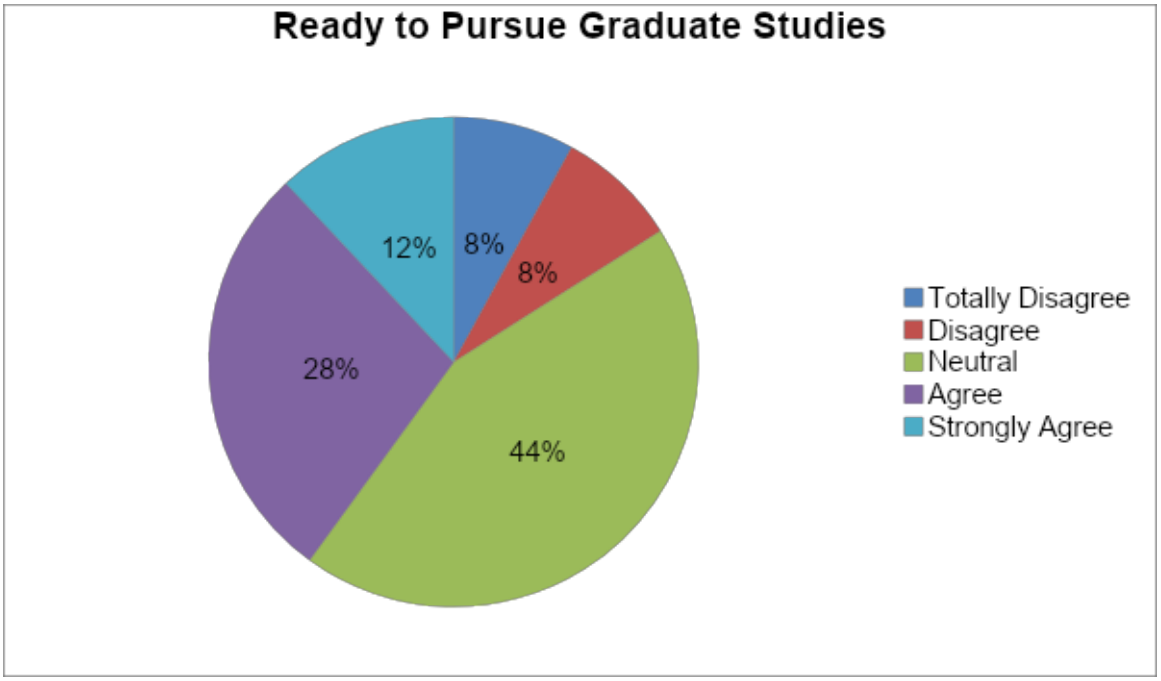
GENERAL INFORMATION:



- 48 % of the respondents are not sure that they will receive job offers according to their expectation and training.

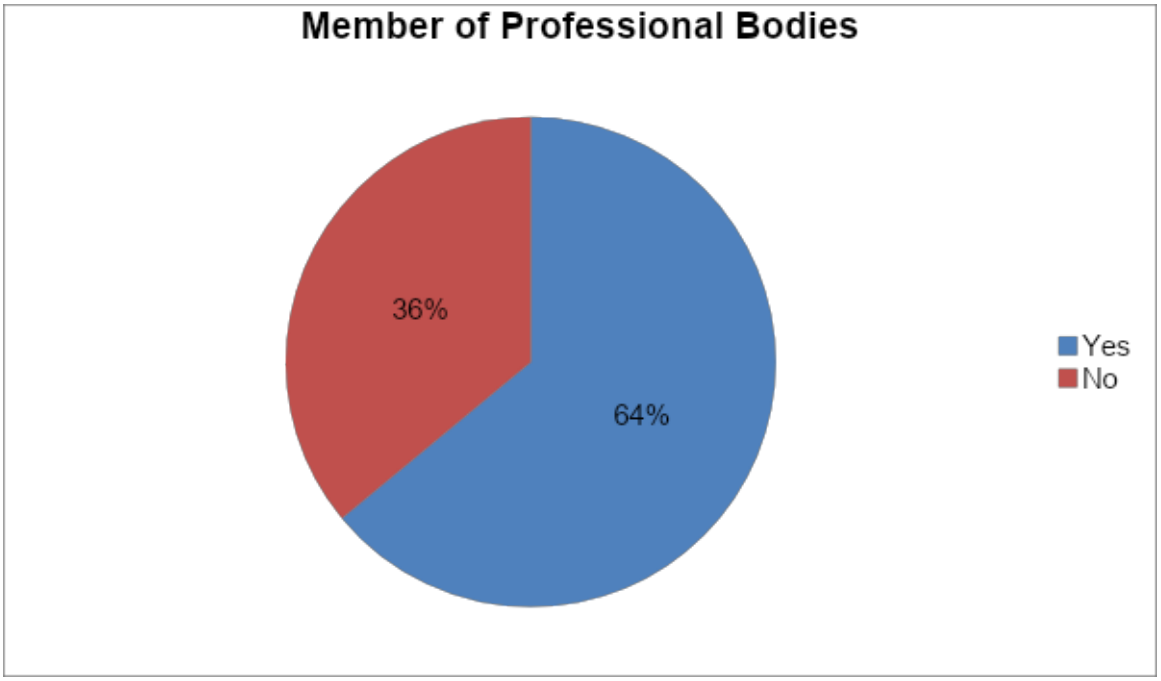


- 56 % of the respondents agreed that they recognize the needs for engaging in life-long learning.



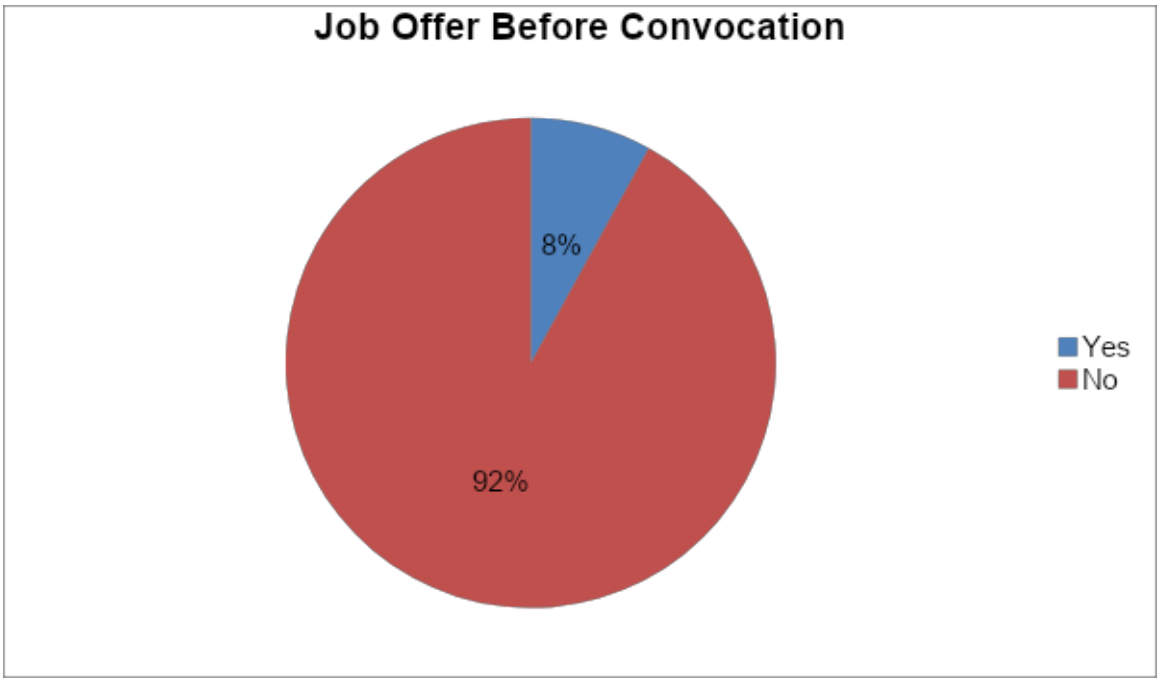
- 40 % of the respondents agreed that they are ready to pursue graduate studies any time from now.

E. PROFESIONAL MEMBERSHIP REGISTRATION



- 64 % of the respondents are engage Professional Body such as IEM and etc.

F. JOB OFFER BEFORE CONVOCATION



- 92 % of the respondents said that they did not receive job offer before graduate.