1.4.2 - Feedback process of the Institution may be classified as follows

INDEX

G.E.S.'s R.H. SAPAT COLLEGE OF ENGG. M.S. & RESEARCH ★ NASHIK

PRINCIPAL
G.E.S.'s R.H. Sapat Collage of Engg.,
Mgt. Studies & Research
Prin. T.A. Kulkarni Vidya Nagar, Nashik-5.

S.E.(Computer) 2019 Pattern Course Exit Survey Sem: IV Academic Year:2022-23

68 responses

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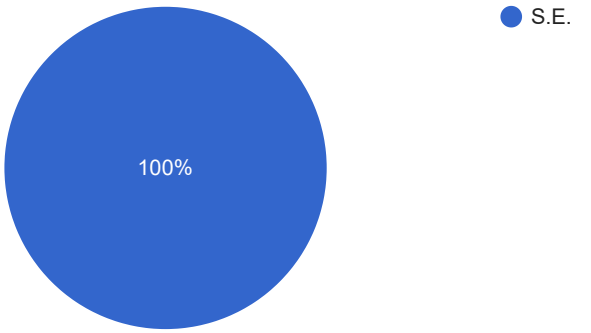

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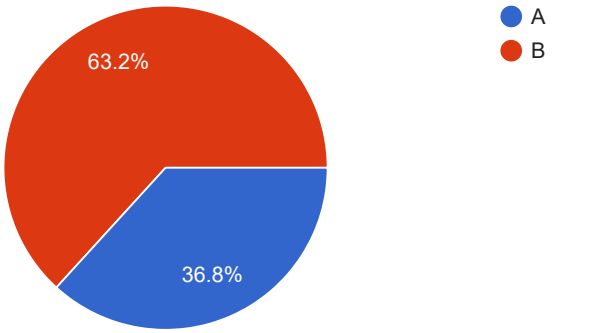

207003: Engineering Mathematics III

CO1: Solve Linear differential equations, essential in modelling and design of computer-based systems.

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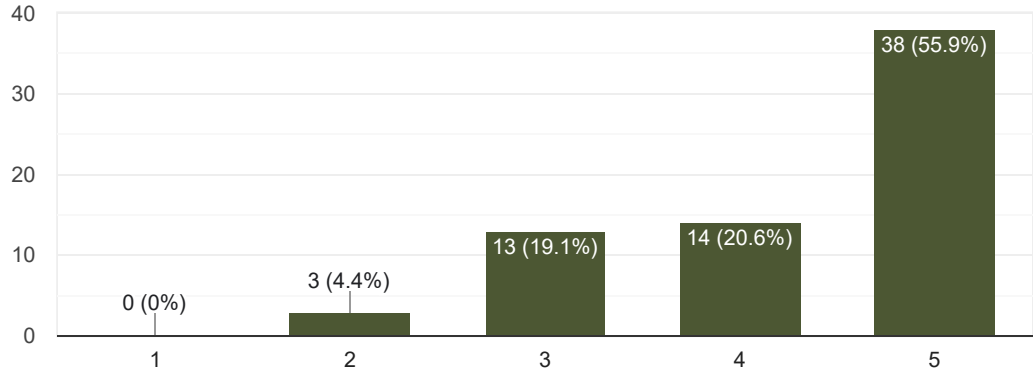

CO2: Apply concept of Fourier transform and Z-transform and its applications to continuous and discrete systems and image processing.

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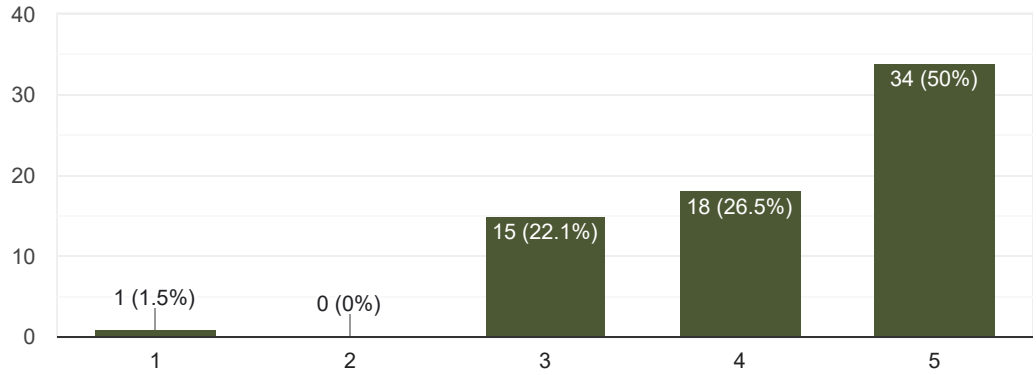

CO3: Apply Statistical methods like correlation and regression analysis and probability theory for data analysis and predictions in machine learning.

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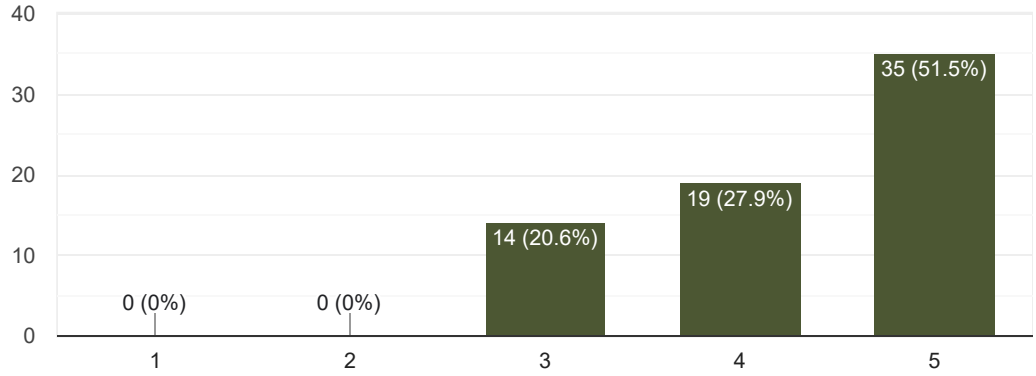

CO4: Solve Algebraic and Transcendental equations and System of linear equations using numerical techniques

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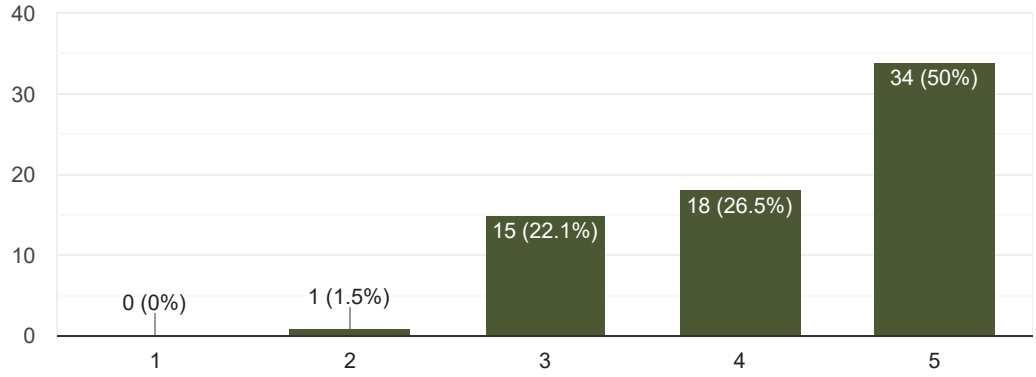

CO5: Obtain Interpolating polynomials, numerical differentiation and integration, numerical solutions of ordinary differential equations used in modern scientific computing.

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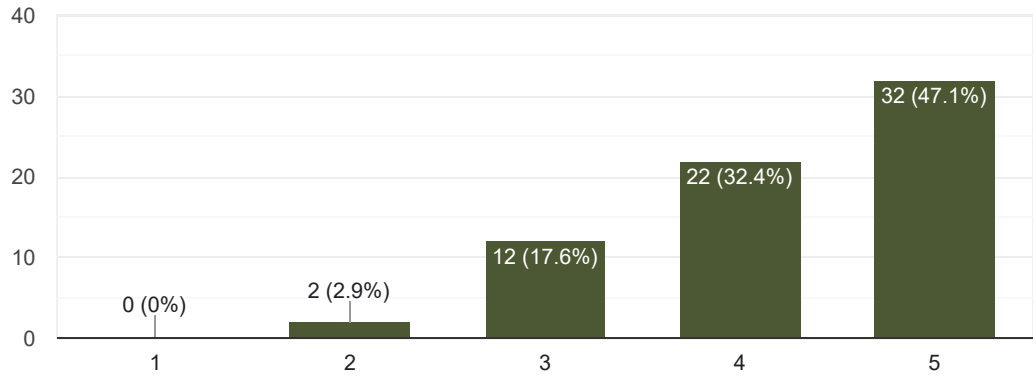

210252: Data Structures and Algorithms

CO1: Identify and articulate the complexity goals and benefits of a good hashing scheme for real- world applications.

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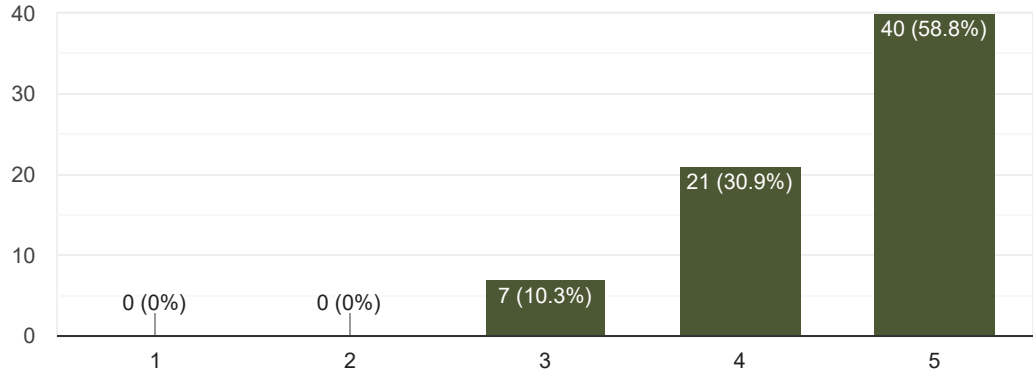

CO2: Apply non-linear data structures for solving problems of various domain.

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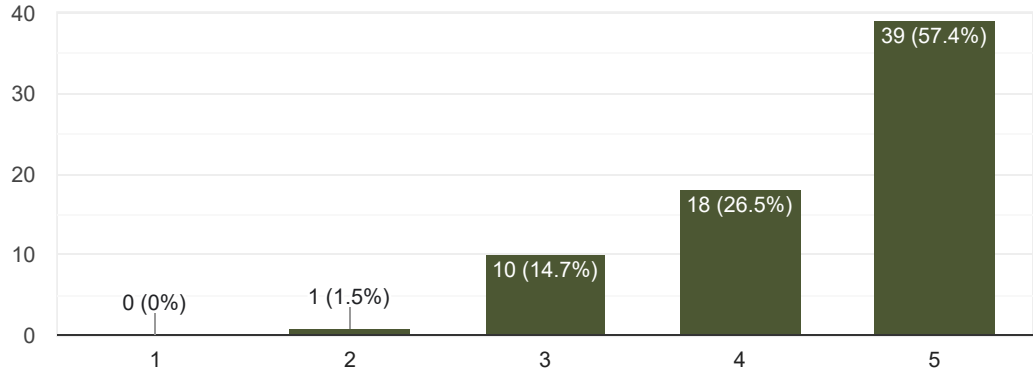

CO3: Design and specify the operations of a nonlinear-based abstract data type and implement them in a high-level programming language.

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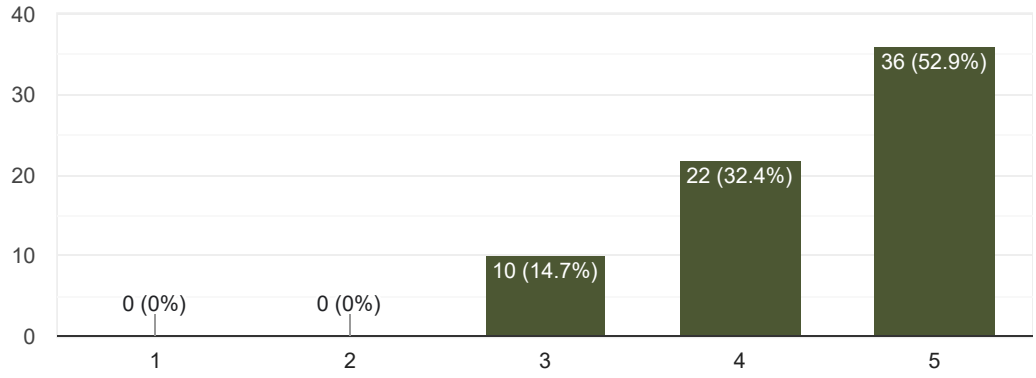

CO4: Analyze the algorithmic solutions for resource requirements and optimization.

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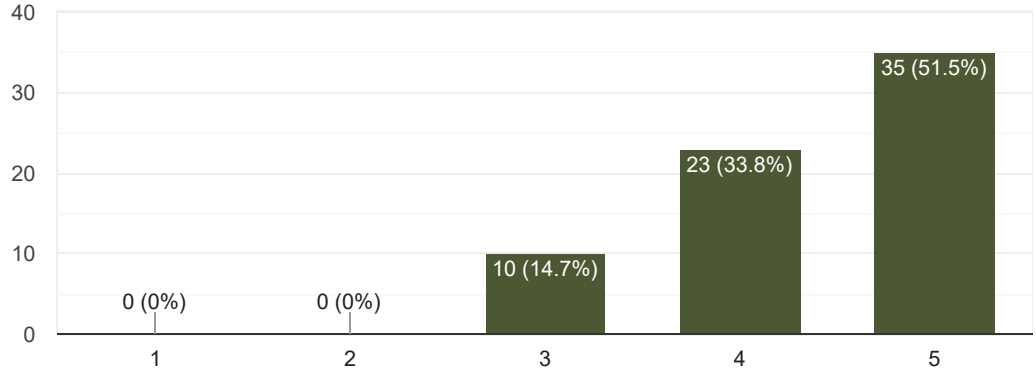

CO5: Use efficient indexing methods and multiway search techniques to store and maintain data.

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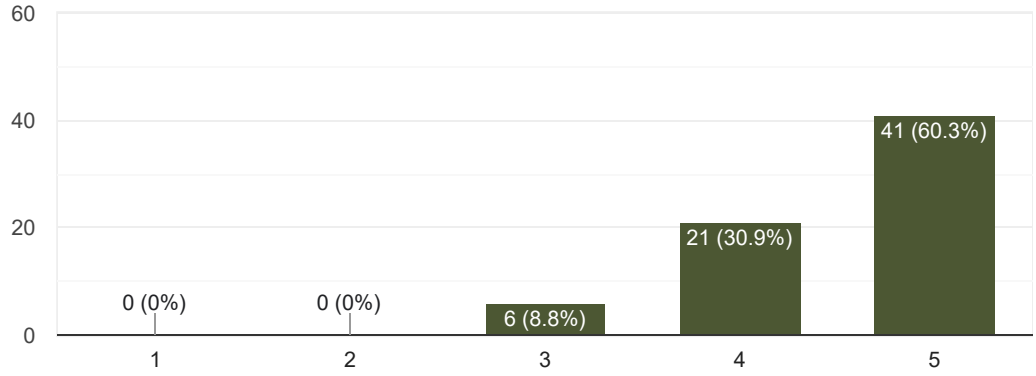

CO6: Use appropriate modern tools to understand and analyze the functionalities confined to the secondary storage.

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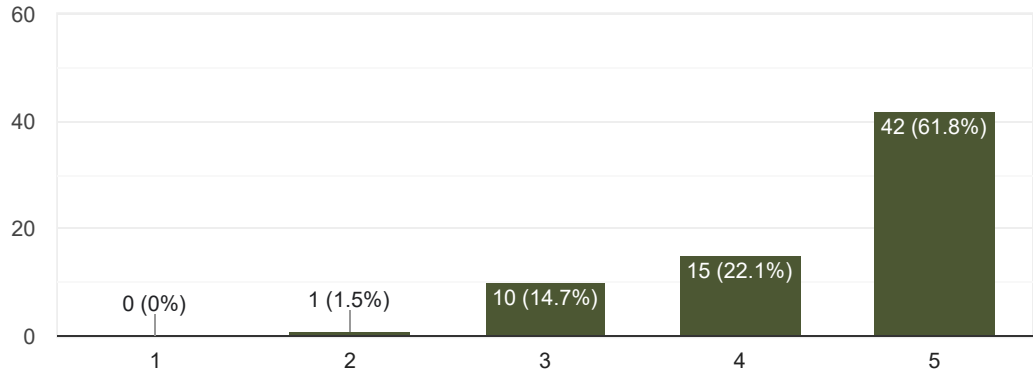

210253: Software Engineering

CO1 :Analyze software requirements and formulate design solution for software.

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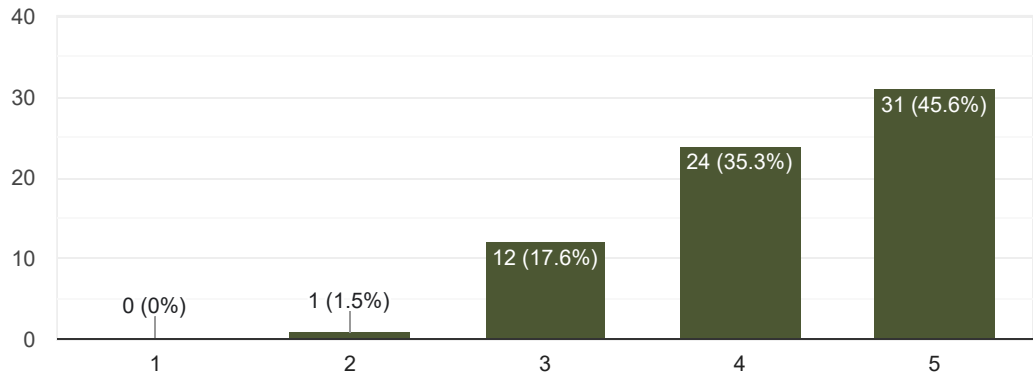

CO2: Design applicable solutions in one or more application domains using software engineering approaches that integrate ethical, social, legal and economic concerns.

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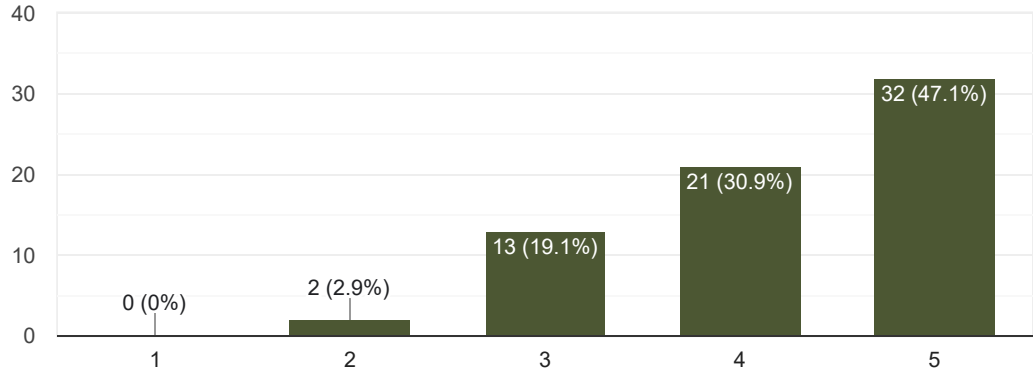

CO3:Apply new software models, techniques and technologies to bring out innovative and novelistic solutions for the growth of the society in all aspects and evolving into their continuous professional development.

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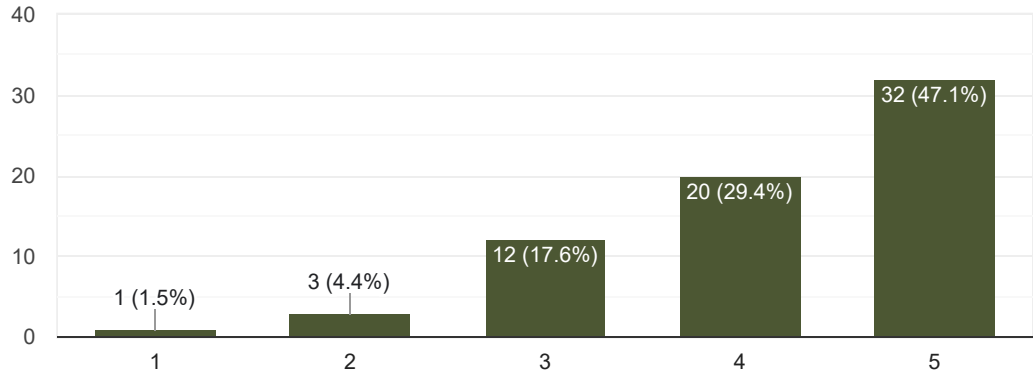

CO4 :Model and design User interface and component-level.

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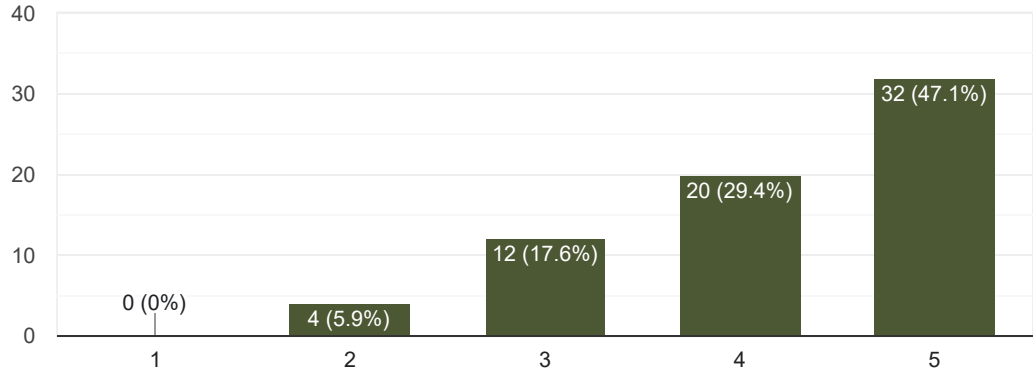

CO5 : Identify and handle risk management and software configuration management.

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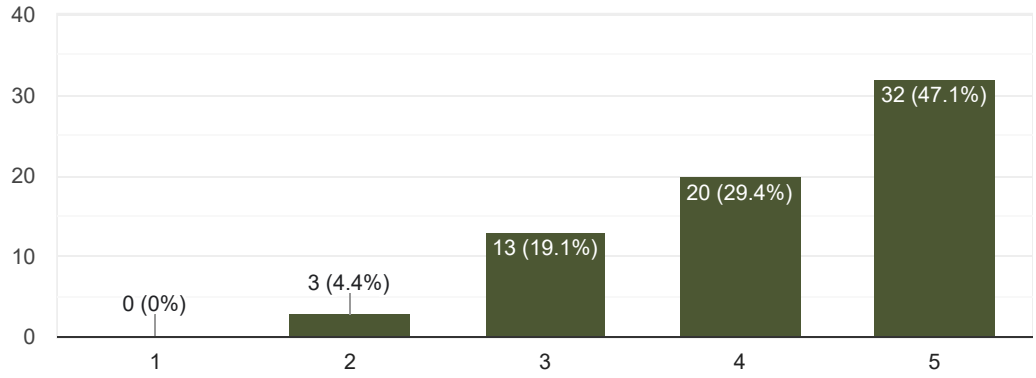

CO6 :Utilize knowledge of software testing approaches, approaches to verification and validation.

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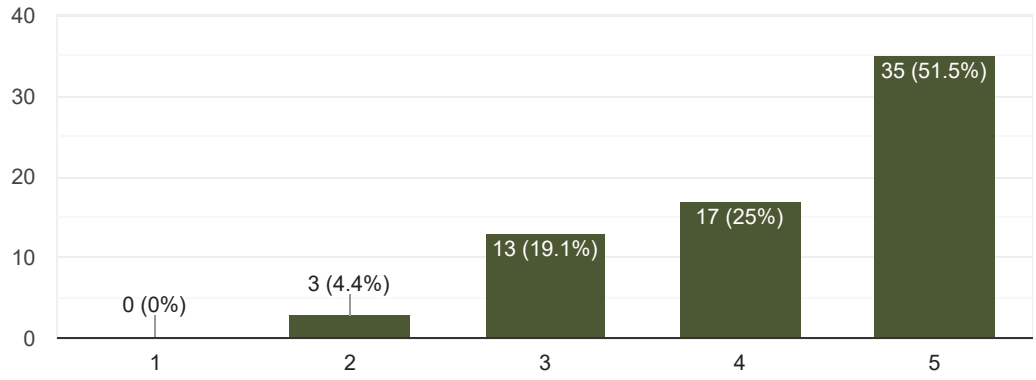

210254: Microprocessor

CO1: Exhibit skill of assembly language programming for the application.

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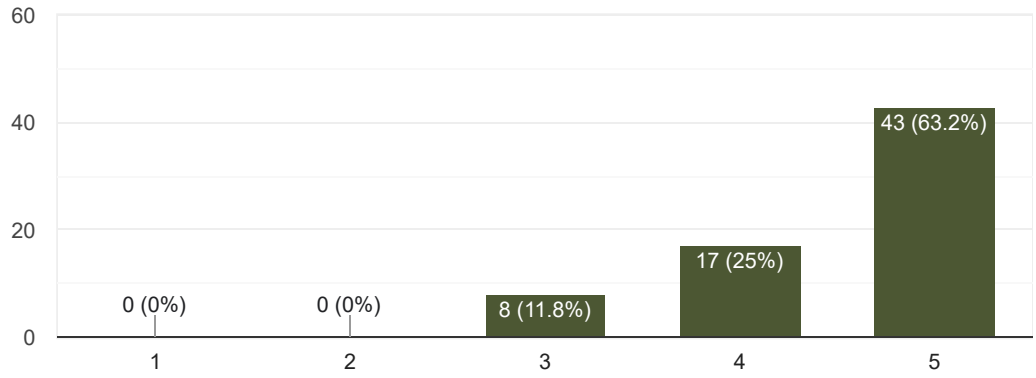

CO2: Classify Processor architectures.

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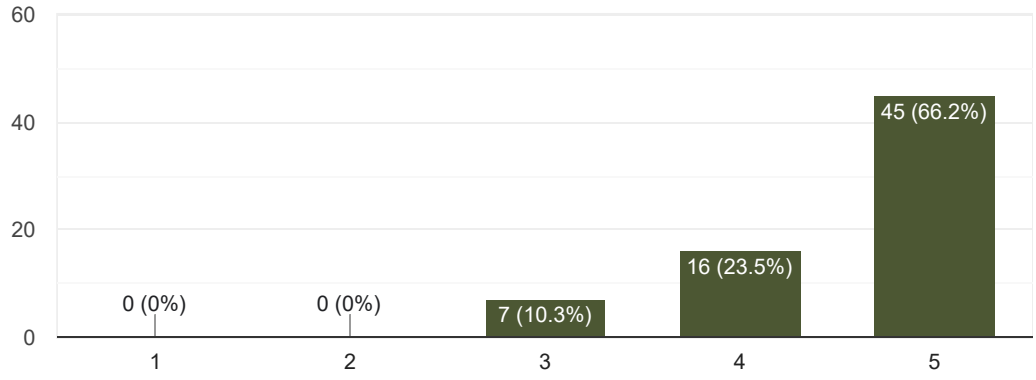

CO3: Illustrate advanced features of 80386 Microprocessor.

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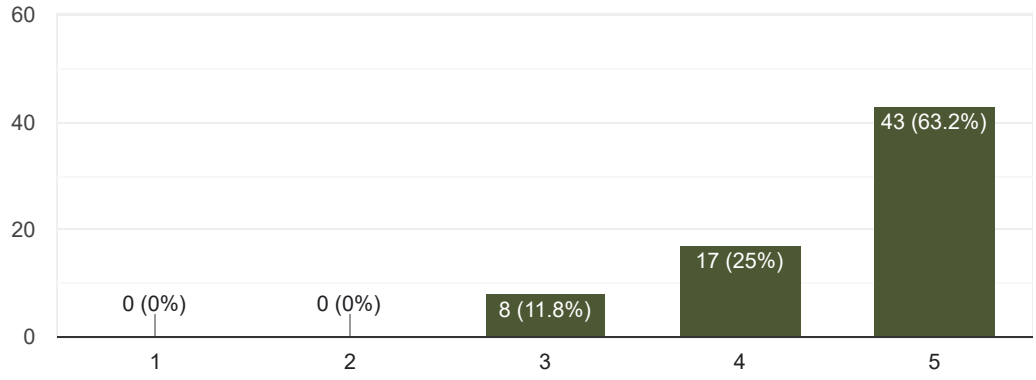

CO4: Compare and contrast different processor modes.

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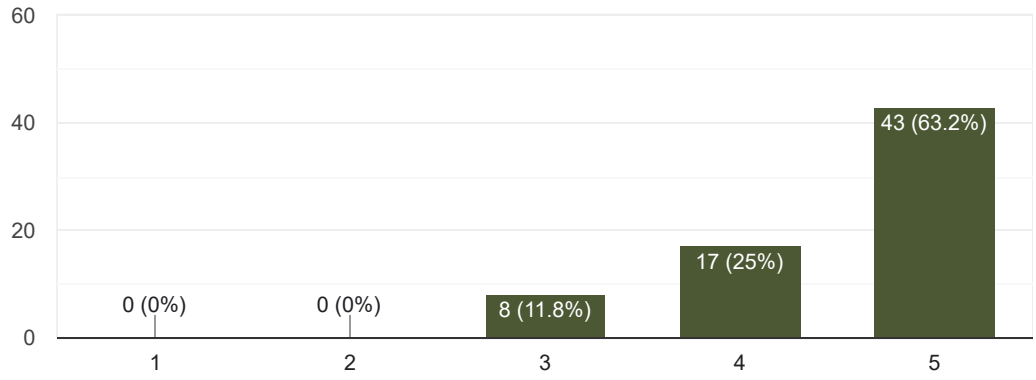

CO5: Use interrupts mechanism in applications

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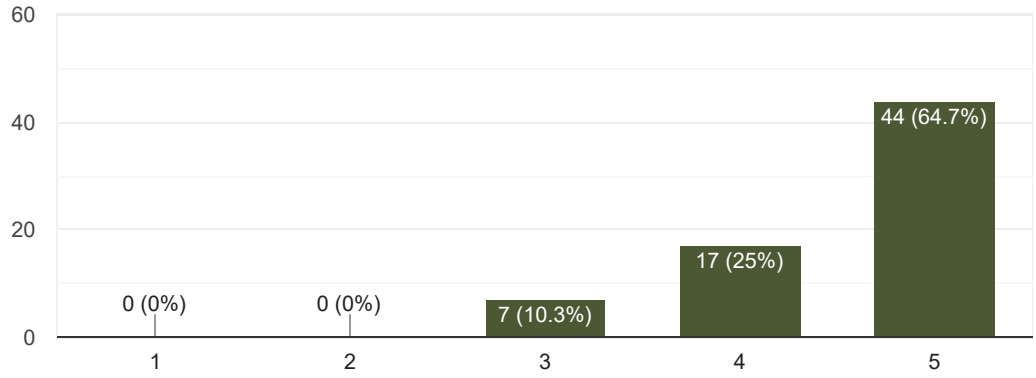

CO6: Differentiate between Microprocessors and Microcontrollers.

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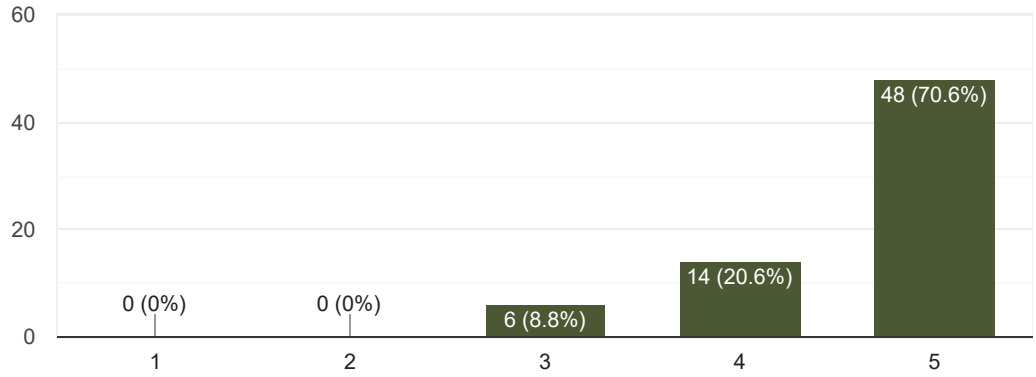

CO7: Identify and analyze the tools and techniques used to design, implement, and debug microprocessor-based systems.

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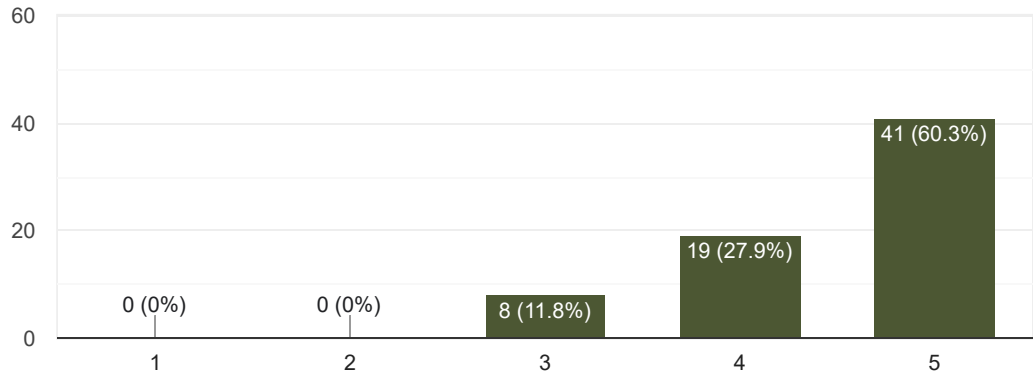

210255: Principles of Programming Languages

CO1: Make use of basic principles of programming languages. Copy

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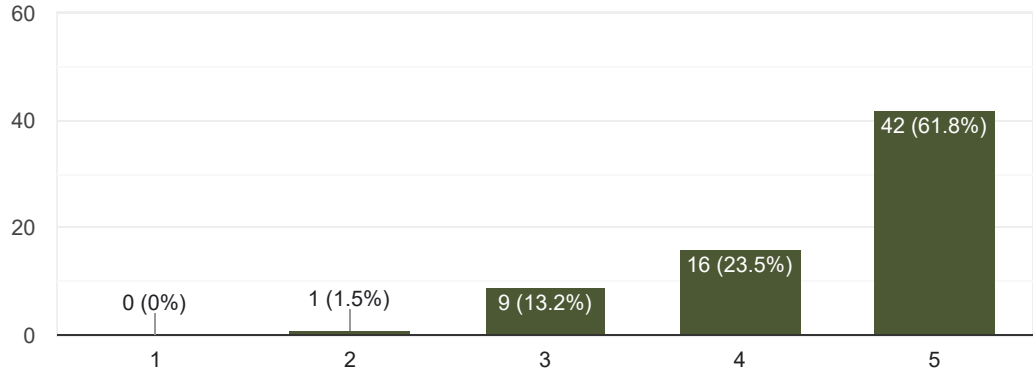

CO2: Develop a program with Data representation andComputations. Copy

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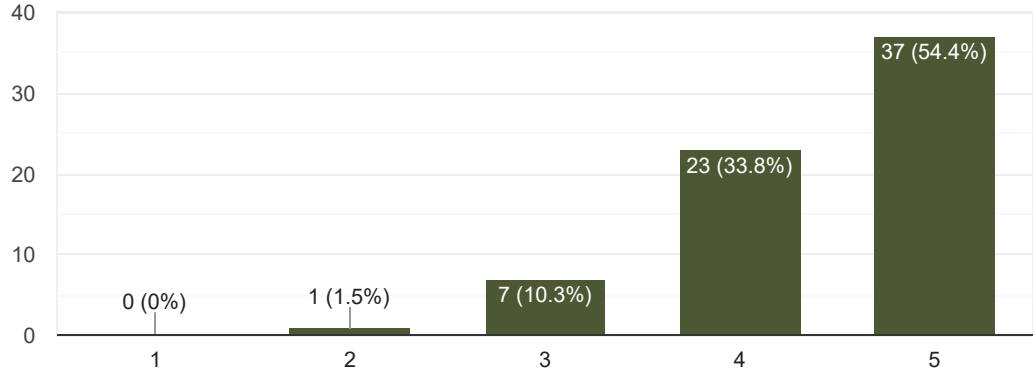

CO3: Develop programs using Object Oriented Programming language : Java Copy

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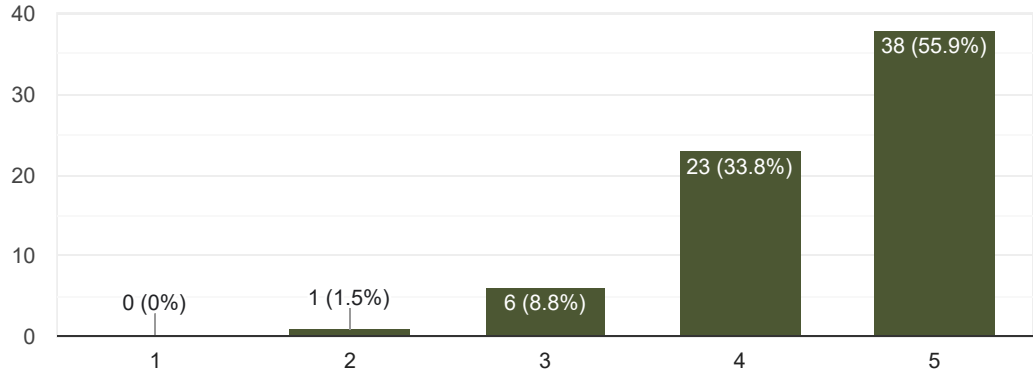

CO4: Develop application using inheritance,encapsulation, and polymorphism.

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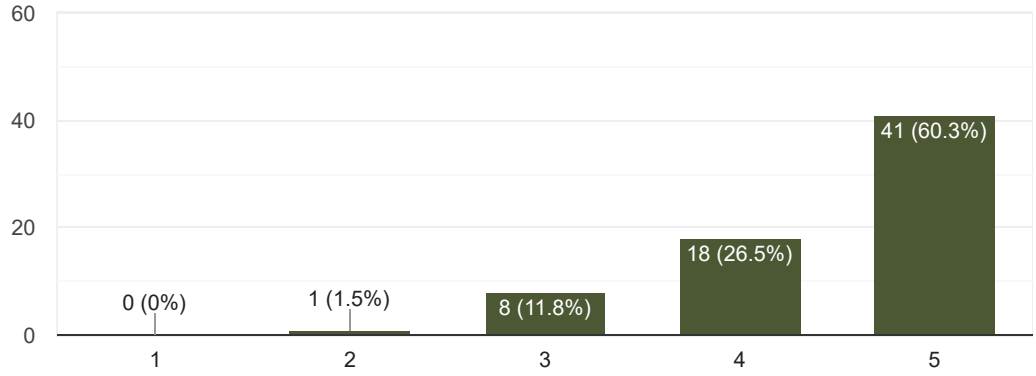

CO5: Demonstrate Multi-threading for robust application development.

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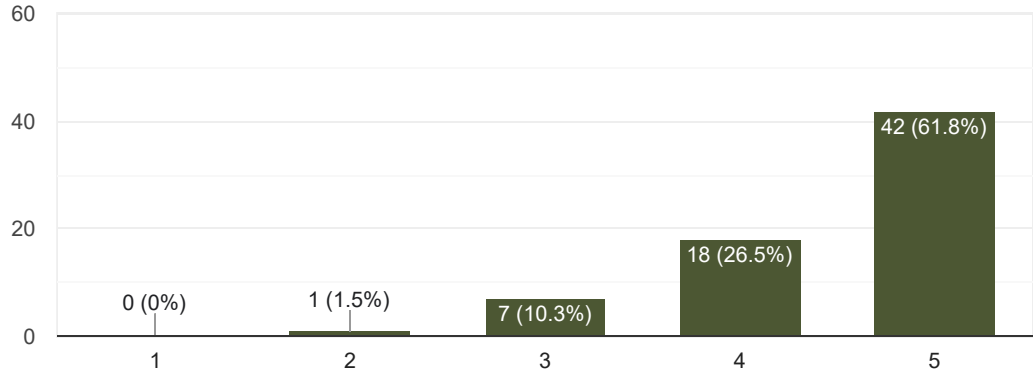

CO6: Develop a simple program using basic concepts of Functional and Logical programming paradigm.

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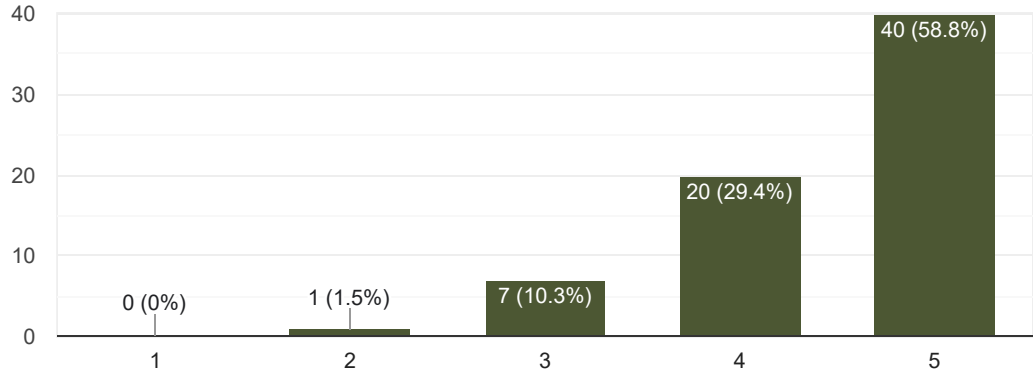
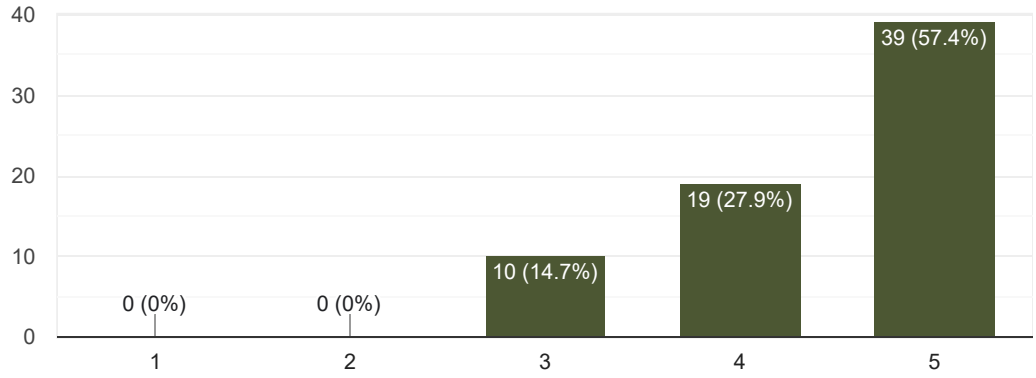


210256: Data Structures and Algorithms Laboratory

CO1: Understand the ADT/libraries, hash tables and dictionary to design algorithms for a specific problem. Copy

68 responses



CO2: Choose most appropriate data structures and apply algorithms for graphical solutions of the problems. Copy

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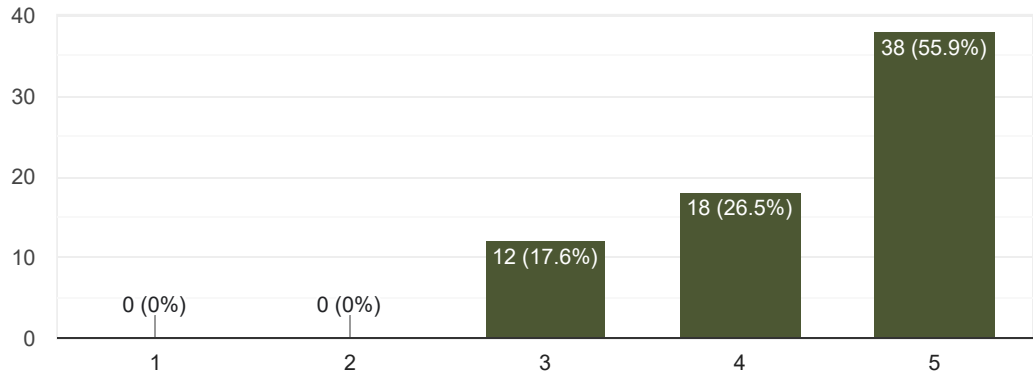

CO3: Apply and analyze non linear data structures to solve real world complex problems. Copy

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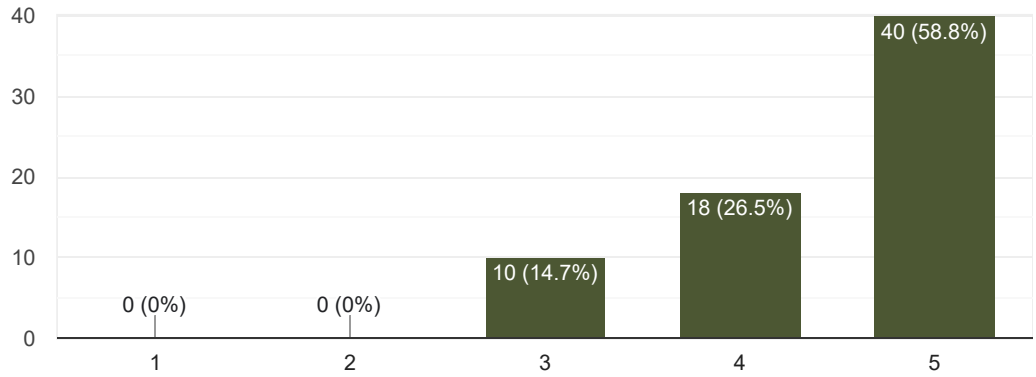

CO4: Apply and analyze algorithm design techniques for indexing, sorting, multi-way searching,file organization and compression.

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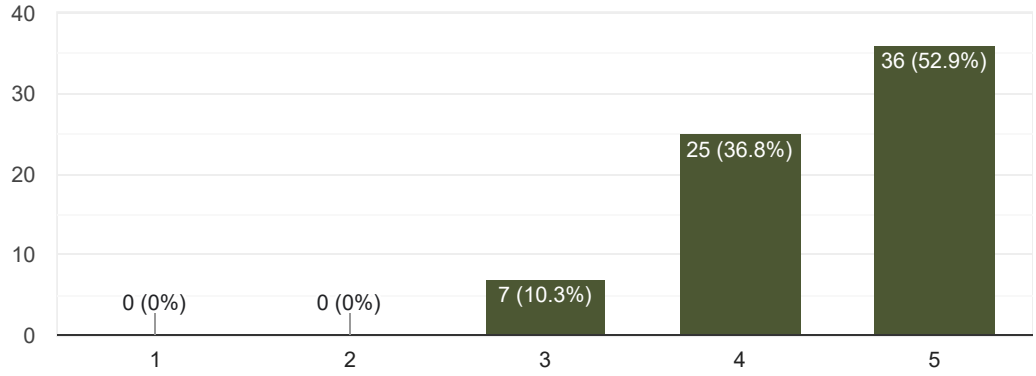

CO5: Analyze the efficiency of most appropriate data structure for creating efficient solutions for engineering design situations.

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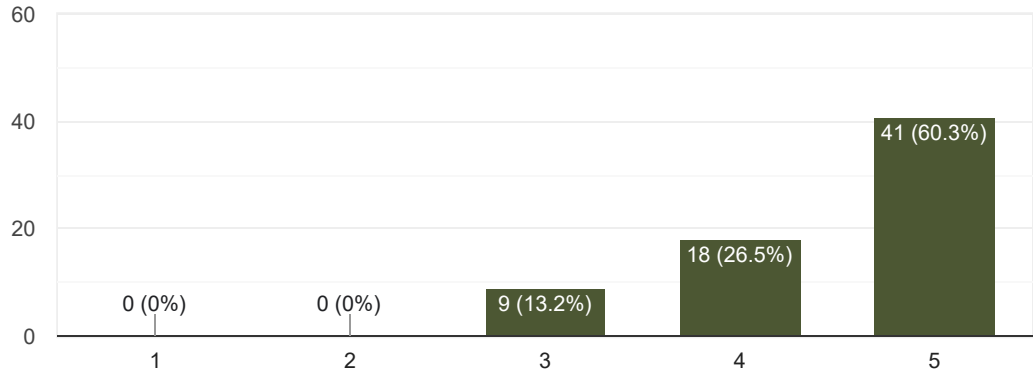

210257: Microprocessor Laboratory

CO1: Understand and apply various addressing modes and instruction set to implement assembly language programs

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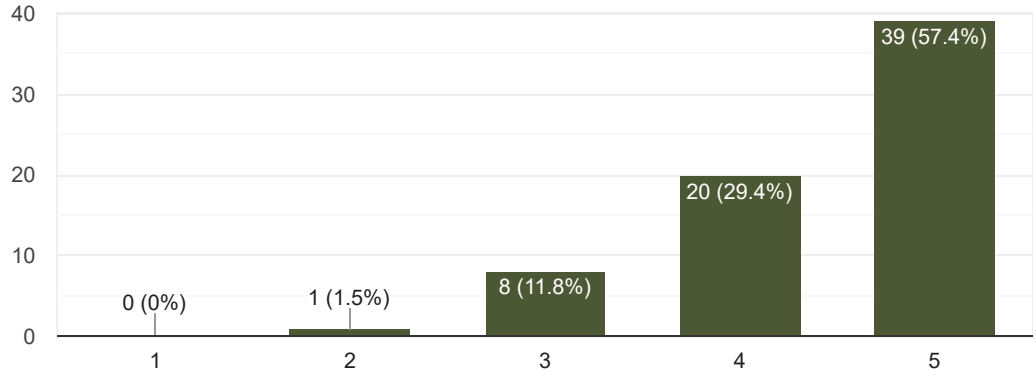

CO2: Apply logic to implement code conversion

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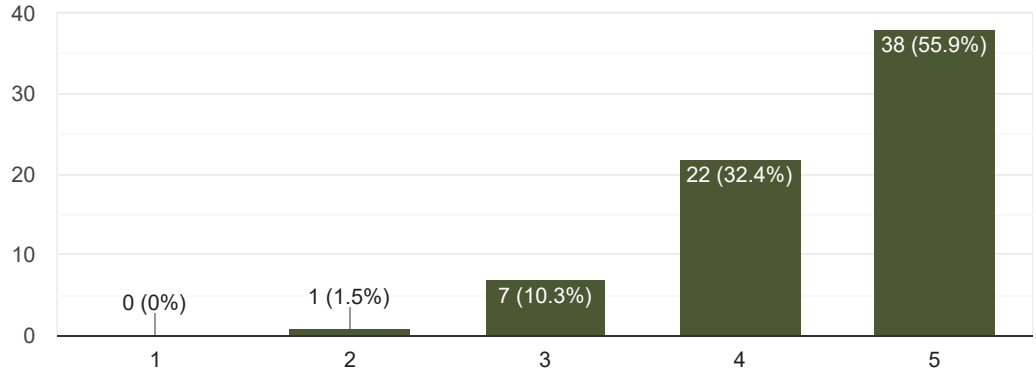

CO3: Analyze and apply logic to demonstrate processor mode of operation

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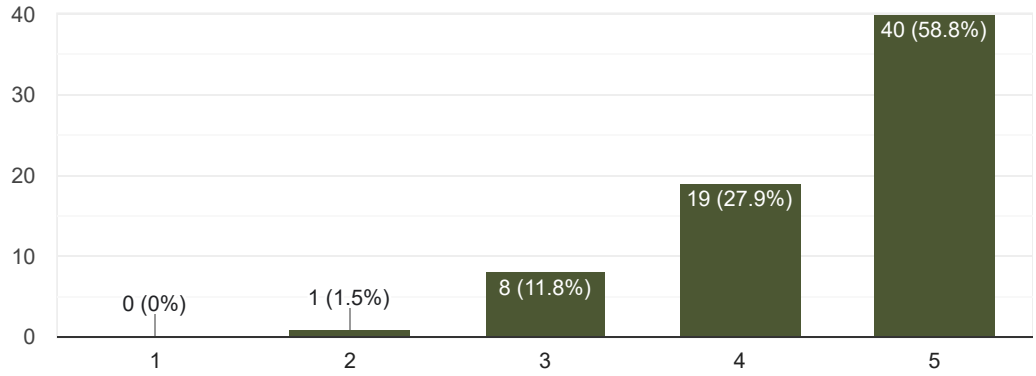

210258: Project Based Learning II

CO1: Identify the real life problem from societal need point of view

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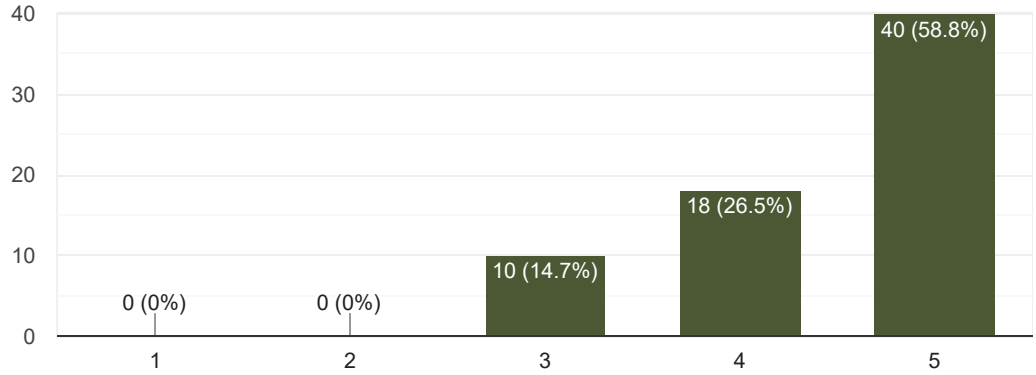

CO2: Choose and compare alternative approaches to select most feasible one

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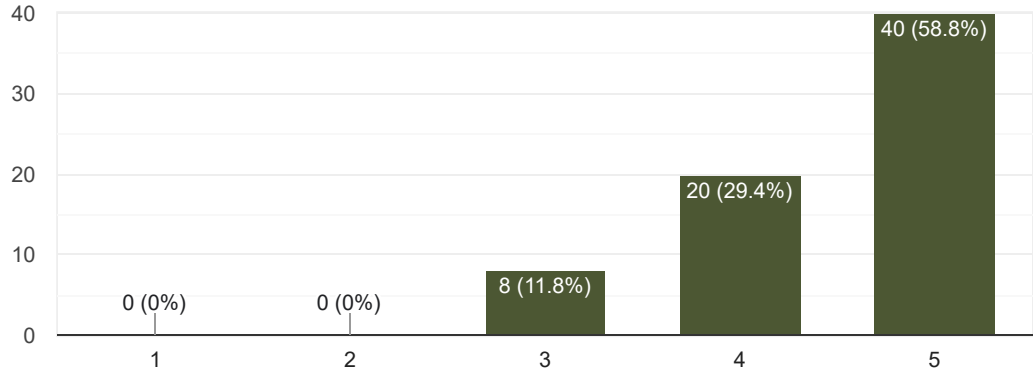

CO3: Analyze and synthesize the identified problem from technological perspective

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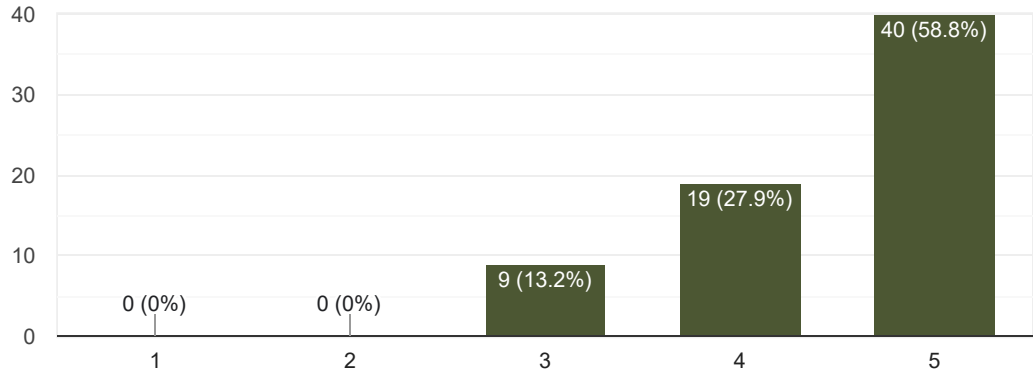

CO4: Design the reliable and scalable solution to meet challenges

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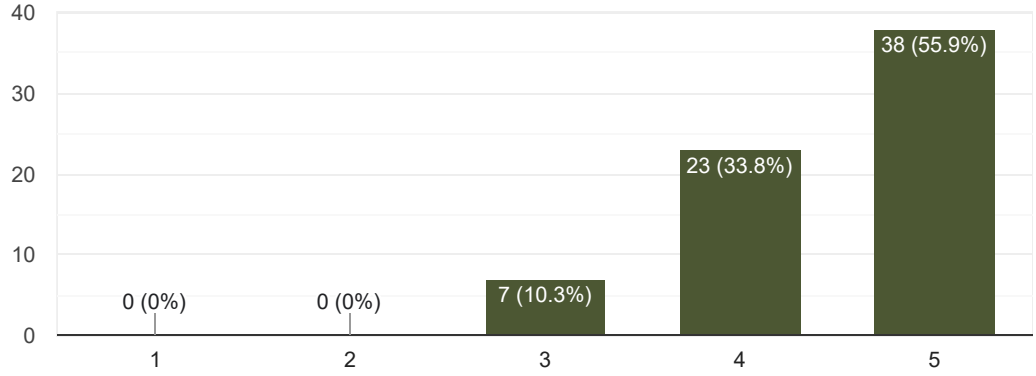

CO5: Evaluate the solution based on the criteria specified

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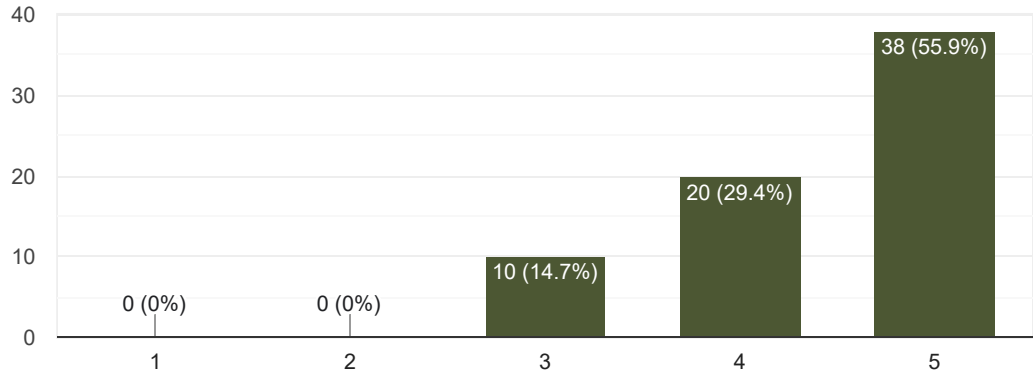

CO6: Inculcate long life learning attitude towards the societal problems

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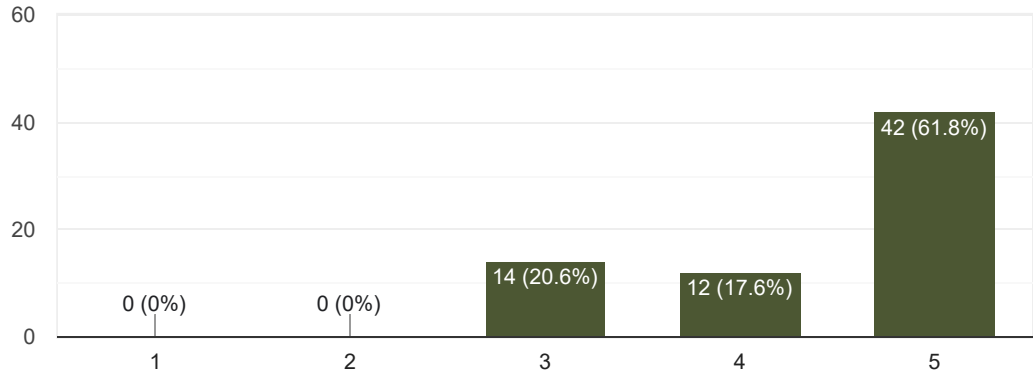

210259: Code of Conduct

CO1: Understand the basic perception of profession, professional ethics, various moral and social issues, industrial standards, code of ethics and role of professional ethics in engineering field.

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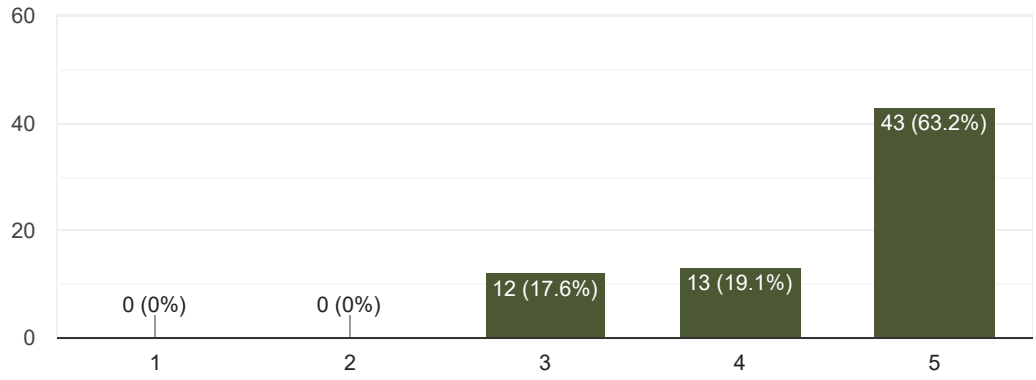

CO2: Aware of professional rights and responsibilities of an engineer, responsibilities of an engineer for safety and risk benefit analysis.

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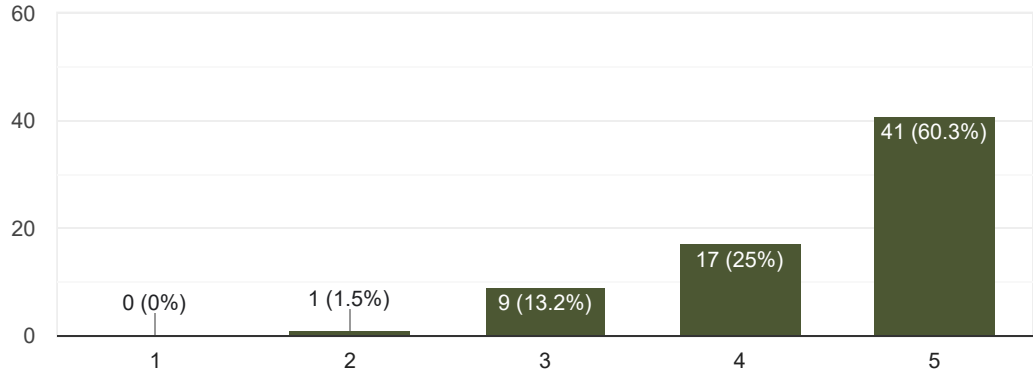

CO3: Understand the impact of the professional Engineering solutions in societal and Environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

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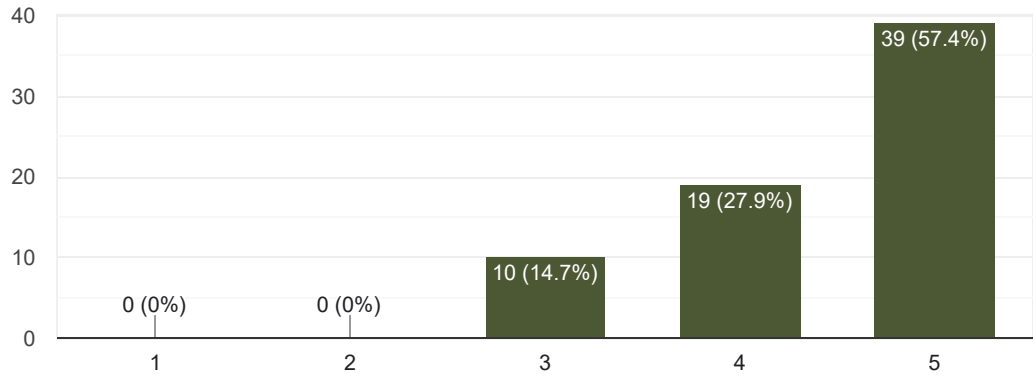

CO4: Acquire knowledge about various roles of engineers in variety of global issues and able toapply ethical principles to resolve situations that arise in their professional lives.

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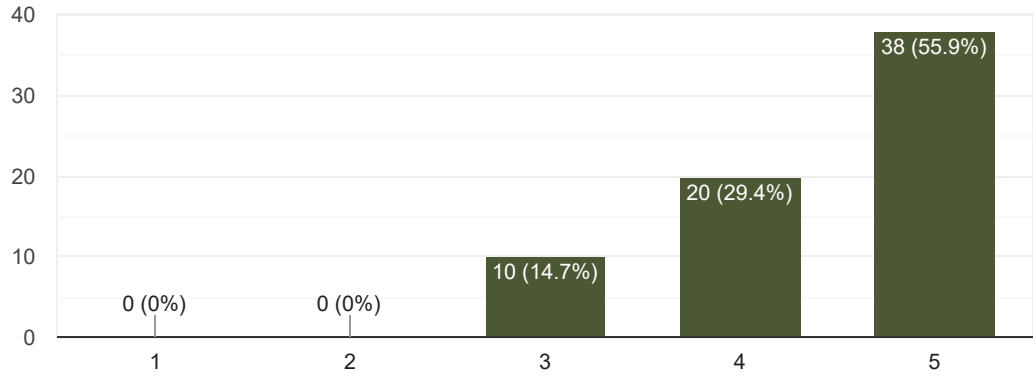

210260: AC4-III- The Science of Happiness

CO1: Understand what happiness is and why it matters to you

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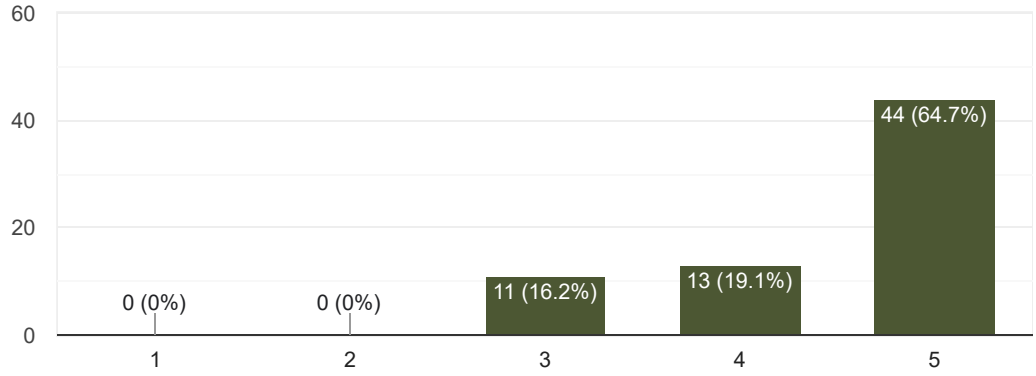

CO2: Learn how to increase your own happiness

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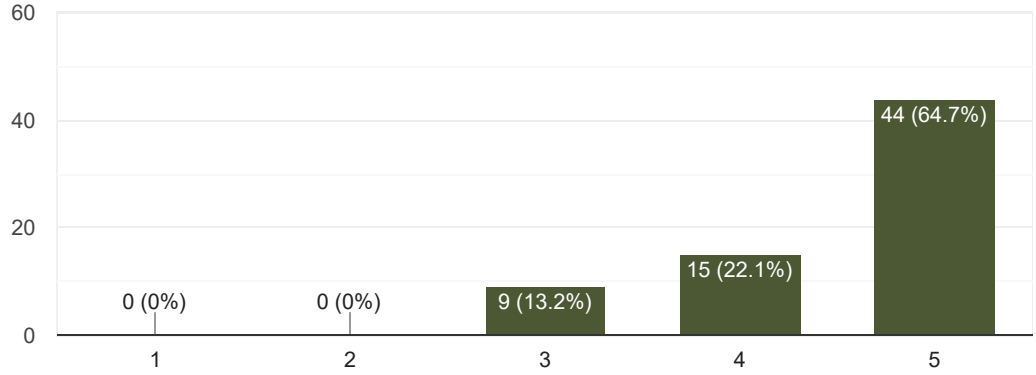

CO3: Understand of the power of social connections and the science of empathy

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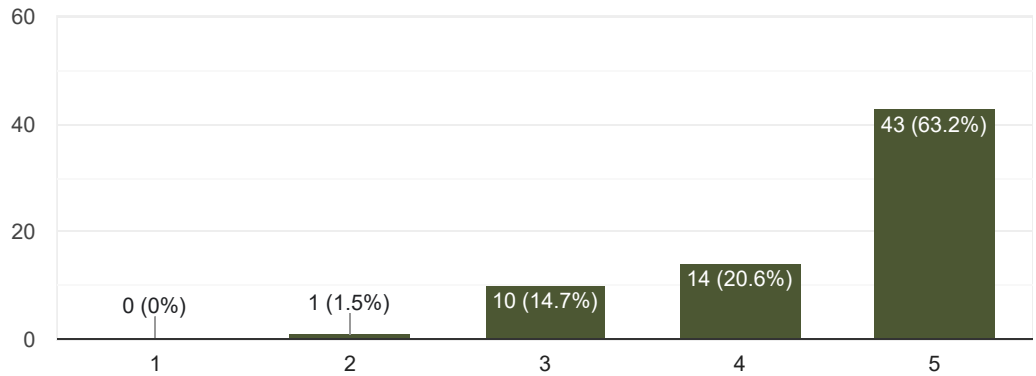
68 responses



CO4: Understand what is mindfulness and its real world applications

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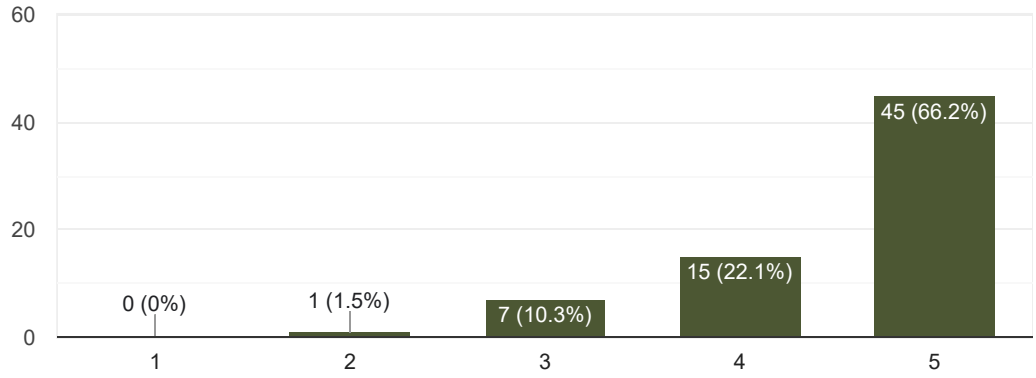
68 responses



IQAC
Teacher's Feedback Form (A.Y. 2022-23)

Consolidated Teachers Feedback in %

Sr. No.	Aspect of Feedback	Strongly Agree	Agree	Partially agree	Disagree	Strongly Disagree
1.	The Vision, mission and philosophy of the institute are known	90.9	9.09	-	-	-
2.	Aims and objectives of the syllabi are well defined and clear to teachers and students.	58.44	41.56	-	-	-
3.	The programme of studies carries sufficient number of optional papers.	44.16	50.64	3.8961	-	-
4.	Course/Programmes outcomes of the syllabi is well defined	66.23	33.77	-	-	-
5.	Curriculum having good academic flexibility	46.75	48.05	6.49	-	-
6.	The course content fulfils the need of students	33.77	59.74	7.79	-	-
7.	Students are disciplined and respect the Staff members	33.77	48.05	12.99	-	1.29
8.	Institute provides opportunities for continuous development of Staff	48.05	45.45	6.49	-	1.29
9.	Equal opportunities for all staff is provided	33.77	49.35	11.69	1.29	1.29
10.	Institute has adequate medical facilities and is equipped to handle medical and other emergencies	35.06	46.75	16.89	1.29	1.29
11.	Rest rooms, toilets, laboratory, playground, classrooms are clean and well maintained	15.58	53.25	25.97	3.9	1.29
12.	Clean drinking water is available	40.25	50.64	5.19	2.6	1.29

13.	Laboratory requirements including equipments, chemicals and specimens are regularly provided	37.66	53.24	7.79	-	1.29
14.	Computer facilities are made available for ICT based teaching to students	41.55	49.35	6.49	1.29	1.29
15.	Good facility and encouragement to the teachers for their research	44.16	10.39	10.39	1.29	1.29
16.	Institute pays attention to conservation of environment and has taken initiative on implementing waste management practices	50.65	44.16	6.49	-	-
17.	Authorities are approachable and accessible	87.01	25.97	2.6	-	-
18.	There is a mechanism for feedback, review and performance enhancement for the staff	48.05	40.26	10.39	2.6	-
19.	There is a recognition/ Incentive/ Appreciation of the individual work is given	35.06	49.35	12.99	-	3.9

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Gokhale Education Society's
R.H. Sapat College of Engineering, Management Studies & Research, Nashik-422005

CONSOLIDATED EMPLOYER FEEDBACK ON PO'S

Evaluation on following scale:

Excellent	Very good	Good	Average	Poor
4.6-5	4.1-4.5	3.6-4.0	3.0-3.5	<3

Feedback about the Alumni: Computer Dept

PO	***FEEDBACK ON PROGRAM OUTCOME (PO's)***	Excellent	Very good	Good	Average	Poor
PO1	**Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. (PO1)	8	8	2	-	-
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.(PO2)	11	5	2	-	-
PO3	**Design/development of solutions**: Design solutions for complex engineering problems and design system components that meet the specified needs with appropriate consideration for the public health & safety, and the cultural, societal, and environmental considerations. (PO3)	12	3	3	-	-
PO4	**Conductinvestigationsofcomplexproblems**: 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. (PO4)	5	10	2	1	-
PO5	**Modern tool usage**: Create, select, and apply appropriatetechniques,resources,andmodern engineering and IT tools including prediction and modeling to complex engineering activities.(PO5)	7	6	5	-	-
PO6	**The engineer and society**: Apply reasoning informedbythecontextualknowledgetoassess societal,safety,legalandculturalissuesandthe consequent responsibilities relevant to the professional engineering practice.(PO6)	9	7	2	-	-
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.(PO7)	8	8	2	-	-
PO8	**Ethics**: Apply ethical principles, professional	8	8	2	-	-

	ethics, responsibilities and norms of the engineering practice. (PO8)					
PO9	**Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.(PO9)	9	8	1	-	-
PO10	**Communication**: Communicate effectively on complex engineering activities and write effective reports and design documentation, Make effective presentations.(PO10)	10	5	3	-	-
PO11	**Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these, as a member and leader in a team, to manage projects and in multidisciplinary environments.(PO11)	6	9	2	1	-
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. (PO12)	14	3	1	-	-
	TOTAL NO. OF GRADES:	535	360	108	7	-
	TOTAL NO. OF ALUMNI APPEARED:	18				
	TOTAL GRADE:	4.68				

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G.E.S.'S R.H. SAPAT COLLEGE OF ENGG. M.S. & RESEARCH ★ NASHIK

Gokhale Education Society's
R. H. Sapat College of Engineering, Management Studies & Research, Nashik-422005

CONSOLIDATED ALUMNI FEEDBACK ON PO'S
Evacuation on following scale:

Excellent	Very good	Good	Average	Poor
4.6-5	4.1-4.5	3.6-4.0	3.0-3.5	<3

Feedback about the Alumni: Computer Dept

PO	***FEEDBACK ON PROGRAM OUTCOME (PO's)***	Excellent	Very good	Good	Average	Poor
PO1	**Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. (PO1)	28	2			
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. (PO2)	25	4	1		
PO3	**Design/development of solutions**: Design solutions for complex engineering problems and design system components that meet the specified needs with appropriate consideration for the public health & safety, and the cultural, societal, and environmental considerations. (PO3)	23	7			
PO4	**Conduct investigations of complex problems**: 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. (PO4)	14	15	1		
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. (PO5)	18	7	5		
PO6	**The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice. (PO6)	20	9	1		
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. (PO7)	19	10	1		
PO8	**Ethics**: Apply ethical principles, professional	24	6			

	ethics, responsibilities and norms of the engineering practice. (PO8)					
PO9	**Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. (PO9)	18	12			
PO10	**Communication**: Communicate effectively on complex engineering activities and write effective reports and design documentation, make effective presentations. (PO10)	21	8	1		
PO11	**Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these, as a member and leader in a team, to manage projects and in multidisciplinary environments. (PO11)	13	16	1		
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. (PO12)	21	9			
	TOTAL NO. OF GRADES:	1220	472.5	44		
	TOTLA NO. OF ALUMNI APPEARED:	30				
	TOTAL GRADE:	4.82				

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NASHIK

Gokhale Education Society's
R.H. Sapat College of Engineering, Management Studies & Research, Nashik-422005

TEACHING/LEARNING/INFRASTRUCTURAL PARAMETERS

Evacuation on following scale:

Excellent	Very good	Good	Average	Poor
4.6-5	4.1-4.5	3.6-4.0	3.0-3.5	<3

Sr. No.	DESCRIPTION	Excellent	Very good	Good	Aver age	Poor
1	How do you rate Teaching-Learning Process?	19	5	6		
2	How do you rate Equipment available in Labs?	13	8	8	1	
3	How do you rate Value addition courses/training provided to the students?	21	6	3		
4	How do you rate our Infrastructure?	11	16	3		
	TOTAL NO. OF GRADES:	320	157.5	80	3.5	
	TOTLA NO. OF ALUMNI APPEARED:	30				
	TOTAL GRADE:	4.68				

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Date: 01/06/2023

To,
The Principal,
GES's R.H. Sapat college of Engineering, Management Studies and Research, Nashik.

Subject: Action taken report on Student's Feedback

Sir,
The summary of the Course Exit Survey Analysis report is attached herewith. As there are no major flaws found, no major corrective action is required. But still following actions we have initiated.

1. The teachers have already compared the syllabus with IIT's/NIT's/ Renowned Foreign University's. The Gaps, the missing points in the syllabus are found and the actions are already suggested by the teachers. According to gap the required training/expert lecture along with small quiz was conducted.
2. In addition, we have conducted Aptitude training session and Zensar employability skill development Training program.
3. We have conducted sessions and motivated students to do certifications on NPTEL and Udemy courseware and around 20 students have done certification. We have started with Problem based learning and Project based learning and project/Mini projects exhibitions/presentations.

Dr. D.V. Patil
IQAC COORDINATOR
G.E.S.'s R.H. Sapat Collage of Engg.,
Mgt. Studies & Research
Prin. T.A. Kulkarni Vidya Nagar, Nashik-5

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Date: 01/06/2023

To,
The Principal,
GES's R.H. Sapat college of Engineering, Management Studies and Research, Nashik.

Subject: Action taken report on Teachers Feedback

Sir,
The summary of the report is attached herewith. As there are no major flaws found, no major corrective action is required, but still as per feedback from other stakeholder we have already initiated some actions which will comply with concerns mentioned by the staff members. The summary is already communicated to you for information in advance.

Dr. D.V. Patil
IQAC COORDINATOR
G.E.S.'s R.H. Sapat Collage of Engg., Mgt. Studies & Research
Prin. T.A. Kulkarni Vidya Nagar, Nashik-5

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Date: 01/06/2023

To,
The Principal,
GES's R.H. Sapat college of Engineering, Management Studies and Research, Nashik.

Subject: Action taken report on employer's Feedback

Sir,
The summary of the employer's Feedback is attached herewith. As there There are some suggestions from employers, we have already started working on those points.

1) The teachers have already compared the syllabus with IIT's/NIT's/ Renowned Foreign University's. The Gaps, the missing points in the syllabus are found and the actions are already suggested by the teachers. According to gap the required training/expert lecture along with small quiz was conducted.
2) In addition, we have conducted Aptitude training session and Zensar employability skill development Training program.
3) We have conducted sessions and motivated students to do certifications on NPTEL and Udemy courseware and around 20 students have done certification. We have started with Problem based learning and Project based learning and project/miniprojects exhibitions/presentations.

Dr. D.V. Patil
IQAC COORDINATOR
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Date: 01/06/2023

To,
The Principal,
GES's R.H. Sapat college of Engineering, Management Studies and Research, Nashik.

Subject: Action taken report on Alumna's Feedback

Sir,
The summary of the Alumna's Feedback is attached herewith. As there There are some suggestions from Alumna's, we have already started working on those points.

I. The teachers have already compared the syllabus with IIT's/NIT's/ Renowned Foreign University's. The Gaps, the missing points in the syllabus are found and the actions are already suggested by the teachers. According to gap the required training/expert lecture along with small quiz was conducted.

II. In addition, we have conducted Aptitude training session and Zensar employability skill development Training program.

III. We have conducted sessions and motivated students to do certifications on NPTEL and Udemy courseware and around 20 students have done certification. We have started with Problem based learning and Project based learning and project/miniprojects exibitions/presentations.

Dr. D.V. Patil
IQAC COORDINATOR
G.E.S.'s R.H. Sapat College of Engg.,
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