SHIVALIK COLLEGE OF ENGINEERING

FEEDBACK REPORT (2021-2022)

Internal Quality Assurance Cell

SHIVALIK COLLEGE OF ENGINEERING

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Introduction

Shivalik College of Engineering is a prestigious institution that provides its students with a unique blend of professional and academic brilliance. SCE has combined the knowledge of topindustry executives and famous academicians, creating a global approach. We are always striving towards our purpose of providing quality education and creating future managers for the industry, which is underpinned by ethical principles and a professional governance structure.

Shivalik College of Engineering has the prestige of entering into a new epoch in higher education by designing a distinctive, innovative academic model that is supported by great facilities and significant international collaborations, as well as unmatched industry backing for experiential learning.

Shivalik College of Engineering's academic style gives amazing possibilities to study from the top instructors, love every minute, and advance their profession. Combining academic and research innovation, flexibility, multidisciplinary exposure, placement training, and real-time projects, our academic approach guarantees that you are groomed to be industry ready.

The College’s commitment to excellence in teaching and learning is demonstrated by quality education, a scientific, transparent, and objective evaluation/examination system, project-based learning, student-centred policies, a pleasant environment, and a socially active campus life.

Introduction to feedback

Internal Quality Assurance Cell (IQAC) provides a key and significant commitment to improve educational quality and directs the College's efforts and measures toward academic perfection.

Between July 2021 and June 2022, input were collected from students, teachers, corporate partners, and alumni (Figure 1).

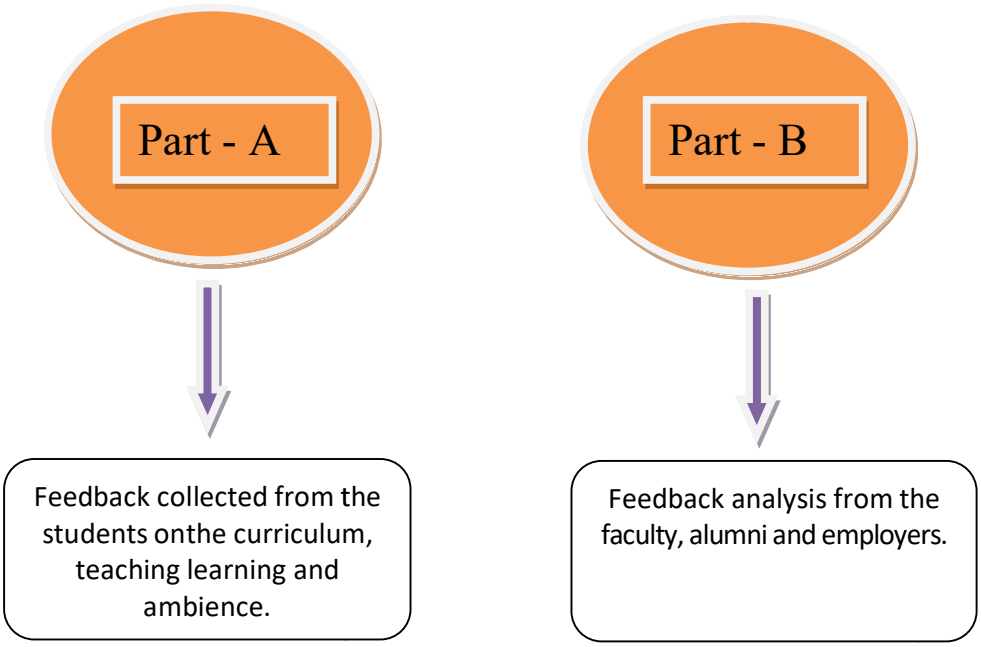


Figure 1 Parts of Feedback Collected

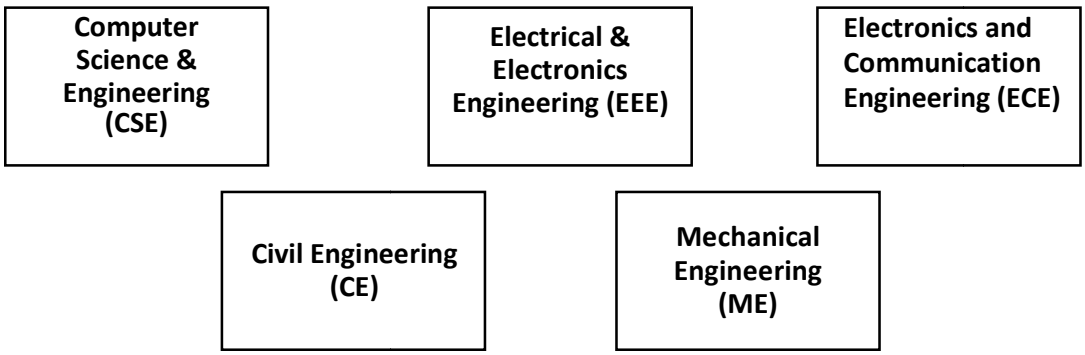


Figure 2 Programmes across Shivalik College of Engineering

The quantitative technique was used for this input, and it was combined to ensure both the depth and breadth of the discoveries. The quantitative step included an online survey conducted by Shivalik College of Engineering's IQAC.

The Curriculum Analysis Feedback Report was done for the odd and even semesters from October 14, 2021, to May 31, 2022. Curriculum research includes information on syllabus development, overall programme experience, and appropriate topic sessions, as well as material provided to undergraduate and postgraduate students.

This Curriculum critique includes various questions for stakeholders to respond to, with options such as strongly disagree, disagree, somewhat agree, agree, and highly agree. We may investigate what yield they are seeing by examining their perspective.

Objective of feedbacks

- To form a Working Group to examine issues relating to student input.
- To give students the chance to remark on the quality of their learning experience, as part of the preparation for and evaluation process.
- To evaluate the success of academic offeringin respect to students' expectations.
- To offer feedback in order to enhance the student unit's delivery or content.

FEEDBACK PROCESS

The Feedback Process comprises of 3 stages

Stage I (Collection of Feedback): The feedback process is collected online through IQAC, Shivalik College of Engineering.

Stage II (Analysis of feedback): The detailed analysis of feedback is carried out afterward and the action taken report is prepared.

Stage III (Action Taken): The plan of action taken is decided on the basis of action taken report and necessary corrective measures are recommended for the further improvements.

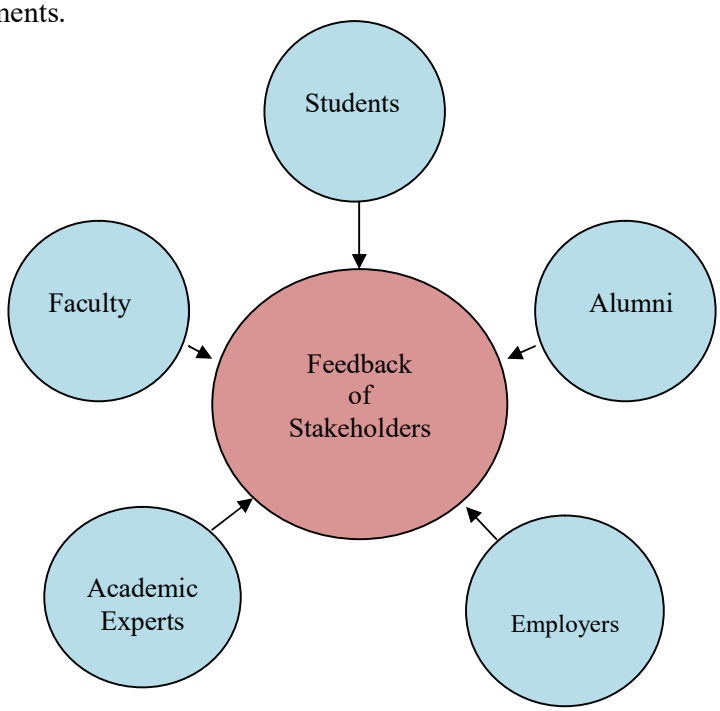


Figure 3 Collection of Feedback

Table1 Feedback on Academic Performance & Ambience: Process

Step 1	Collection of Feedback from Stakeholders
Step 2	Analysis of Feedback
Step 3	Discussion on Scope of Improvement at Departmental Level
Step 4	Corrective Measures Proposed and Discussion at IQAC by HODs
Step 5	Discussion and Approval by Academic Advisory Committee (AAC)

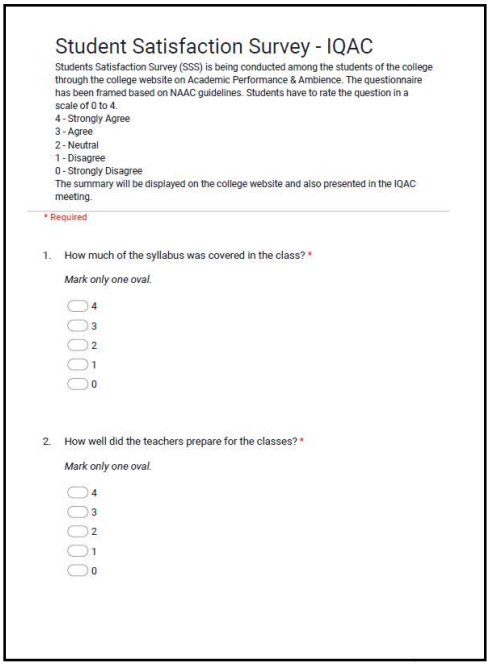
Sample Feedback Form

The feedback is collected in form of online survey via google forms. Links to the respective feedback is shared with concerned stakeholder(s) (Table 2)

Table 2 Link for feedback from various stakeholders

Stakeholder	Google Link
Feedback on Academic Performance & Ambience from Students	https://forms.gle/UmcDHsDy7kKM86aC9
Feedback on Academic Performance & Ambience from Faculty	
Feedback on Academic Performance & Ambience from Employer	https://docs.google.com/forms/d/e/1FAIpQLSe6NXzEBDXYvKx69OgN3sYUxsmYW_mcuNr6d6UK3Pev6xC5Ug/viewform?vc=0&c=0&w=1&flr=0
Feedback on Academic Performance & Ambience from Alumni	https://forms.gle/2UKUmezv8ZFprLbx9

1. Feedback on Academic Performance & Ambience from Students:



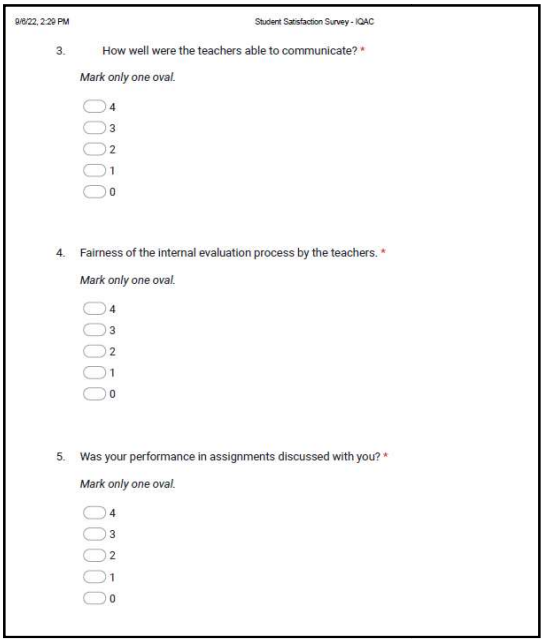
Student Satisfaction Survey - IQAC

Students Satisfaction Survey (SSS) is being conducted among the students of the college through the college website on Academic Performance & Ambience. The questionnaire has been framed based on NAAC guidelines. Students have to rate the question in a scale of 0 to 4.
4 - Strongly Agree
3 - Agree
2 - Neutral
1 - Disagree
0 - Strongly Disagree
The summary will be displayed on the college website and also presented in the IQAC meeting.

* Required

1. How much of the syllabus was covered in the class? *
Mark only one oval.
4
3
2
1
0

2. How well did the teachers prepare for the classes? *
Mark only one oval.
4
3
2
1
0

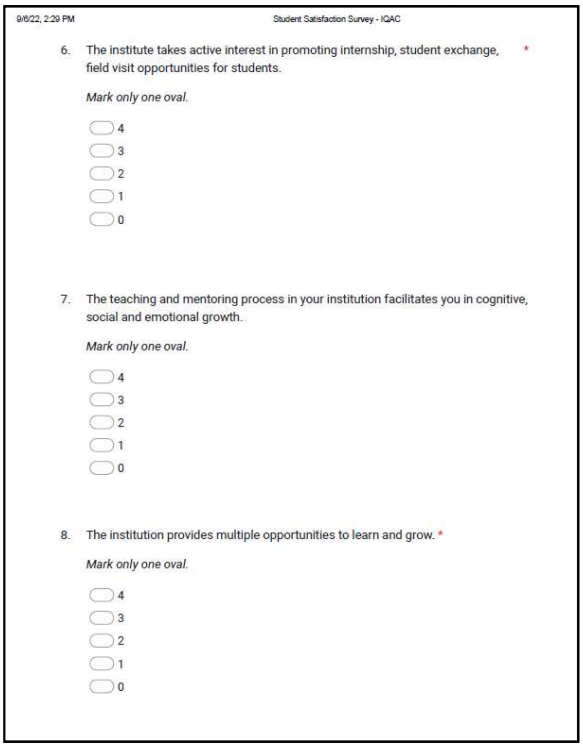


9/6/22, 2:29 PM Student Satisfaction Survey - IQAC

3. How well were the teachers able to communicate? *
Mark only one oval.
4
3
2
1
0

4. Fairness of the internal evaluation process by the teachers. *
Mark only one oval.
4
3
2
1
0

5. Was your performance in assignments discussed with you? *
Mark only one oval.
4
3
2
1
0

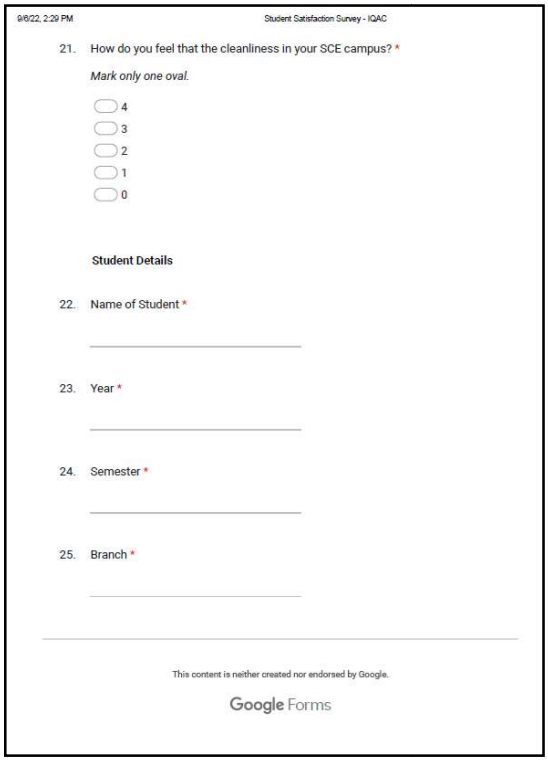


9/6/22, 2:29 PM Student Satisfaction Survey - IQAC

6. The institute takes active interest in promoting internship, student exchange, field visit opportunities for students. *
Mark only one oval.
4
3
2
1
0

7. The teaching and mentoring process in your institution facilitates you in cognitive, social and emotional growth.
Mark only one oval.
4
3
2
1
0

8. The institution provides multiple opportunities to learn and grow. *
Mark only one oval.
4
3
2
1
0



9/6/22, 2:29 PM Student Satisfaction Survey - IQAC

21. How do you feel that the cleanliness in your SCE campus? *
Mark only one oval.
4
3
2
1
0

Student Details

22. Name of Student *

23. Year *

24. Semester *

25. Branch *

This content is neither created nor endorsed by Google.

Google Forms

2. Feedback on curriculum from Faculty

TEACHERS' FEEDBACK

Shivalik College of Engineering, Dehradun

FORM-I

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, teaching, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies/institution.

Directions:

For each item please indicate your level of satisfaction with the following statement by choosing a score between 1 and 3.

(1-disagree, 2-neither agree nor disagree, 3- strongly agree)

	Curriculum, Teaching, Learning and Evaluation:	**1**	**2**	**3**
1.	Aims and objectives of the syllabi are well defined and clear to teachers and students.			
2.	Course content is followed by corresponding reference materials.			
3.	Sufficient number of prescribed books are available in the Library.			
4.	The course/syllabus has good balance between theory and application.			
5.	The course/syllabus has made me interested in the subject area.			
6.	The course/syllabus of this subject increased my knowledge and perspective in the subject area.			
7.	The books prescribed/listed as reference materials are relevant, updated and appropriate.			
8.	Infrastructural facilities, such as teacher's rooms/carrels, class rooms, reading rooms and toilets are available in the Department.			
9.	How satisfied are you with the cleanliness and variety of food items available in the cafeteria?			
10.	Tests and examinations are conducted well in time with proper coverage of all units in the Syllabus.			
11.	I have the freedom to propose, modify, suggest and incorporate new topics in the syllabus (beyond the Syllabus)			
12.	I have the freedom to adopt new techniques/strategies of teaching such as seminar presentations, group discussions and learners' participations.			
13.	I have the freedom to adopt/adapt new techniques/strategies of testing and assessment of students.			
14.	The environment in the department is conducive to teaching and research.			
15.	The administration is teacher friendly			
16.	The College provides adequate and smooth support for projects and research facilities.			
17.	The College provides adequate funding and support to faculty members for upgrading their skills and qualifications.			
18.	How do you feel that the cleanliness in your SCE campus?			
19.	Do you think that the college takes enough measures to curb racial and ethnic bias?			

Any other comments:

Please submit your feedback to

Co-ordinator IQAC, SCE,Dehradun,
Shiniwala, P.O. Sherpur, Shimla Road,
Dehradun – 248197 Uttrakhand

3. Feedback on curriculum from Employer

EMPLOYER SATISFACTION SURVEY FORM

WELCOME TO THE SCE ON-LINE EMPLOYER SATISFACTION SURVEY

Thank you for taking the time to fill out this questionnaire. All the information will be kept confidential and will be used only for statistical purposes. The survey is intended to assist SCE for preparing students for the work environment and will better serve your company and industry needs.
If we can be of assistance or if you have any questions, please call

Company Name: _____

Person Completing Form: _____

Address: _____

City/State/Zip Code: _____ _____ _____

Graduate/ Employee: Name: _____

Graduate/ Employee: Title: _____

Date of Hire: _____

Is the Graduate still employed by your company? Yes: O No: O

Please check the box which best indicates your level of satisfaction demonstrated by your employee's performance for each of the following:

Area	Very Satisfied	Satisfied	Dissatisfied
Overall job performance	O	O	O
Job specific skills	O	O	O
Problem solving skills	O	O	O
Individual and teamwork skills	O	O	O
Leadership skills	O	O	O

Would you consider having SCE graduates in the future? Yes: O No: O

Based on your experience, how can SCE improve the graduate's skills to meet your company's needs.

Thank you for your assistance in helping SCE to improve its academic training

4. Feedback on curriculum from Alumni

Alumni Survey

Dear Alumna/Alumnus

Greetings from SCE/SIPS, It really makes us feel very proud to have a student like you! SCE/SIPS is growing from strength to strength because of your performance and the skill set that you have gained and exhibited from time to time.

SCE/SIPS is now going for Outcome Based Education (OBE) accreditation as per Washington Accord. It will largely benefit graduates from SCE/SIPS to work as an Engineering Professional in the member countries coming under the Washington Accord.

OBE requires that Programme Educational Objectives (PEOs) and Programme Outcomes (POs) of the programme (Branch of Study) are to be clearly defined and attained. Besides, the graduates are expected to have a set of attributes (known as Graduates Attributes – GAs) while studying and after graduation.

The Questionnaire is designed to survey the attainments of PEOs, POs and GAs. Please take a few minutes to complete this survey and submit the same on line.

* Required

1. NAME *

2. ROLL NO/REGISTRATION NO

3. BRANCH *

Mark only one oval.

- CSE
- MECHANICAL ENGINEERING
- CIVIL ENGINEERING
- ELCETRONICS & COMMUNICATION ENGINEERING
- ELECTRICAL ENGINEERING
- ME (DIPLOMA)
- EEE (DIPLOMA)
- CE (DIPLOMA)
- BSC AGRICULTURE
- BBA
- B PHARMA
- D PHARMA

4. CONTACT NO *

5. Email ID *

6. YEAR OF GRADUATION *

Mark only one oval.

- 2021
- 2020
- 2019
- 2018
- 2017
- 2016
- 2015
- 2014
- 2013
- 2012

7. What is your current career status? *

Mark only one oval.

- EMPLOYED (GOVT)
- EMLOYED (PRIVATE SECTOR)
- SELF EMPLOYED
- UNEMPLOYED
- DOING CERTIFICATE COURSES
- PERSUING HIGHER EDUCATION
- UNDERGOING TRAINING

8. Name of Current Employer *

9. When were you first employed? *

Mark only one oval.

- Just before Graduation
- <6 months after graduation
- 6 months to 1 year after graduation
- >1 year after graduation

10. What is the range of your Annual Income?

Mark only one oval.

- Less than 1.5 Lakhs
- 1.5 Lakhs - 3 Lakhs
- 3 Lakhs - 5 Lakhs
- More than 5 Lakhs

11. What is your principal job responsibility? *

Mark only one oval.

- Contracting Engineer
- Design Engineer
- Manufacturing / Process Engineer
- Software Engineer
- Research and Development
- Non-Technical / Management
- Teaching
- Self employment / Entrepreneur
- Others(Specify)

5. Feedback on curriculum from Academic Experts

Name of Academic Expert:	
Name of the Institute/College:	
Designation:	
Email-ID:	
Contact No.:	

S. No.	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	The curriculum comprises balanced blend of both theory and practical courses for holistic development of student.					
2	The sequence of the courses distributed among semesters are appropriate.					
3	Course objectives and outcomes are well defined and clear in the syllabi.					
4	The distribution of credits to the courses are appropriate.					
5	The courses like Projects, Summer/Institutional trainings to provide hands on experiential learning and industrial exposure are sufficient in the curriculum.					
6	The structure of the curriculum frame for the entire program is designed to enhance employability.					
7	The depth of the syllabus of the courses are in relation to the competencies expected by the industry/current global scenarios.					
8	The syllabus has enough innovativeness and opportunities for creative thinking and future research?					
9	The courses in curriculum also emphasize on inculcating management, entrepreneurship skills along with personal and career development of the students.					
10	A flexible scheme provides the choice-based learning to the students.					
The course with Course code and semester where revision is required (If any):						
Suggest any other additional course that can be included in curriculum:						
Any other suggestions:						

Date: Signature:

FEEDBACK ANALYSIS

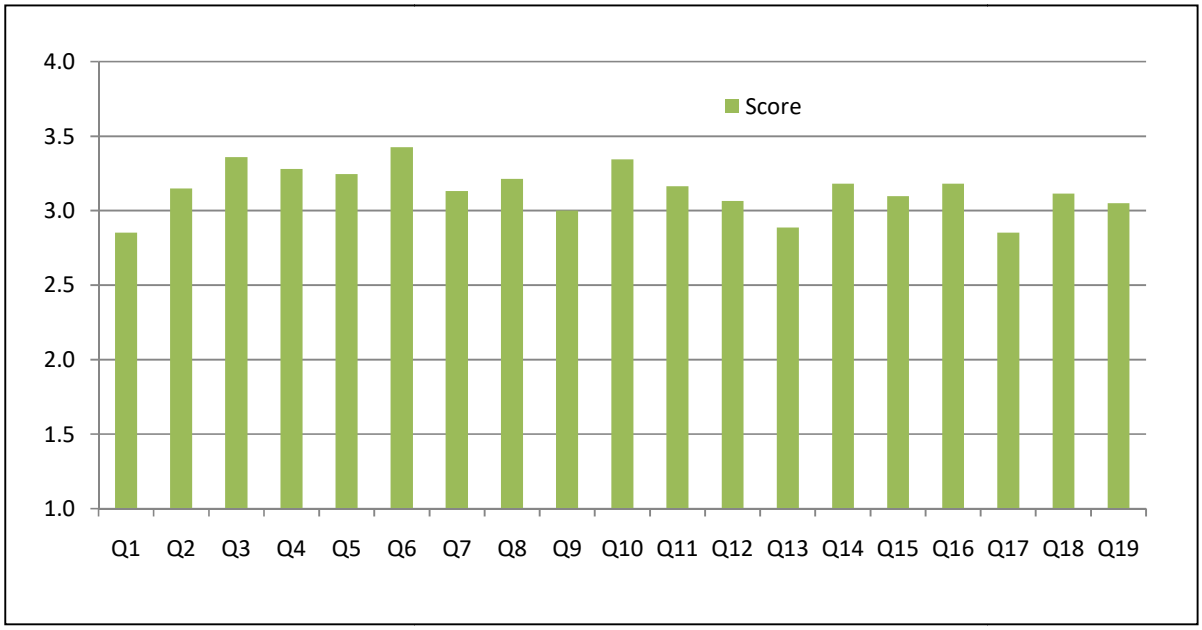
STUDENT FEEDBACK ANALYSIS

Students Satisfaction Survey (SSS) was conducted among the students of the college through the college website for AS-2021-22. The questionnaire has been framed based on NAAC guidelines. Students have rated the question in a **scale of 0 to 4**. The result of this survey is based on the response of **303** students. The summary is displayed on the college website and it is also presented in the IQAC meeting.

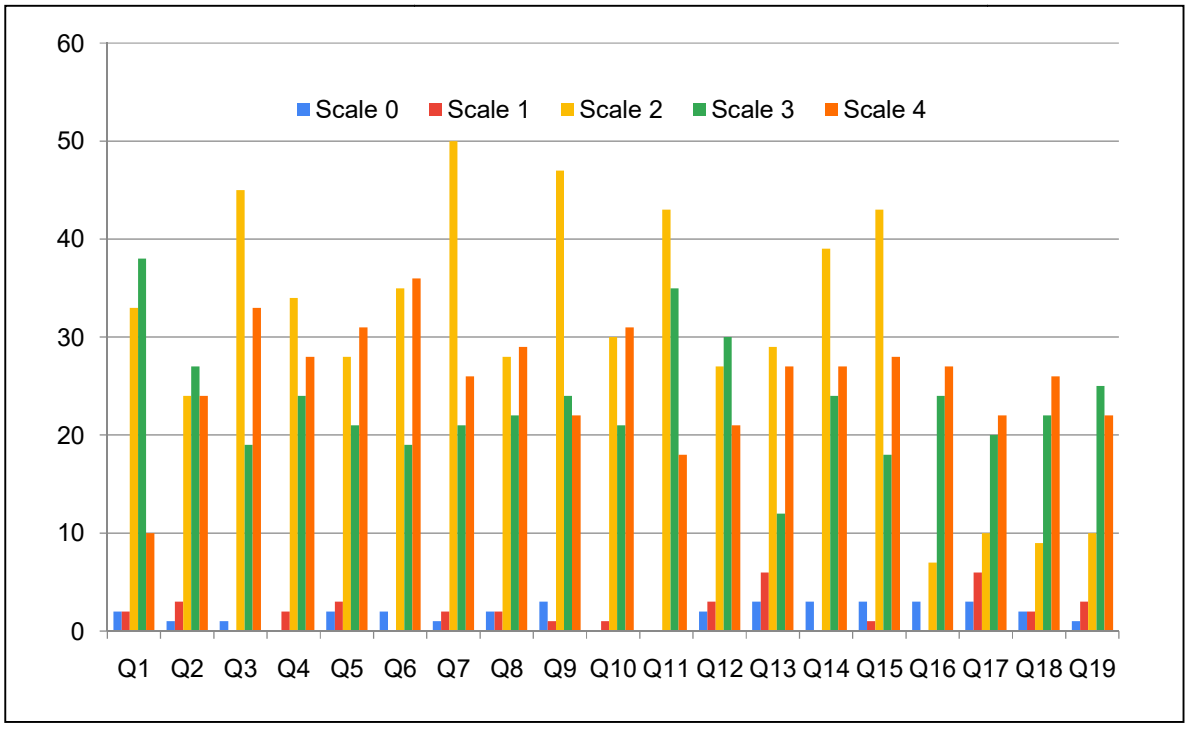
Number of Responses for the (SSS) Survey = 303

SN	QUESTIONNAIR	SCORE
	OVERALL AVERAGE SCORE	**3.1 out of 4**
1	How much of the syllabus was covered in the class?	2.9
2	How well did the teachers prepare for the classes?	3.1
3	How well were the teachers able to communicate?	3.4
4	Fairness of the internal evaluation process by the teachers.	3.3
5	Was your performance in assignments discussed with you?	3.2
6	The institute takes active interest in promoting internship, student exchange, field visit opportunities for students.	3.4
7	The teaching and mentoring process in your institution facilitates you in cognitive, social and emotional growth.	3.1
8	The institution provides multiple opportunities to learn and grow.	3.2
9	Teachers inform you about your expected competencies, course outcomes, and program outcomes.	3.0
10	Your mentor does a necessary follow-up with an assigned task to you.	3.3
11	The teachers illustrate the concepts through examples and applications.	3.2
12	The teachers identify your strengths and encourage you with providing right level of challenges.	3.1
13	Teachers are able to identify your weaknesses and help you to overcome them.	2.9
14	The institution makes effort to engage students in the monitoring, review and continuous quality improvement of the teaching learning process. The institution makes effort to engage students in the monitoring, review and continuous quality improvement of the teaching learning process.	3.2
15	The institute/ teachers use student centric methods, such as experiential learning, participative learning and problem-solving methodologies for enhancing learning experiences.	3.1
16	Teachers encourage you to participate in extracurricular activities.	3.2
17	Efforts are made by the institute/ teachers to inculcate soft skills, life skills and employability skills to make you ready for the world of work.	2.9
18	Teachers use ICT tools such as LCD projector, Multimedia, etc. while teaching	3.1
19	The overall quality of teaching-learning process in your institute is very good.	3.0

Question-wise Scores (in 0 to 4 Scale)



Question-wise Scores (in 0 to 4 scale)



ALUMNI FEEDBACK ANALYSIS

Shivalik College of Engineering, DEHRADUN

Internal Quality Assurance Cell

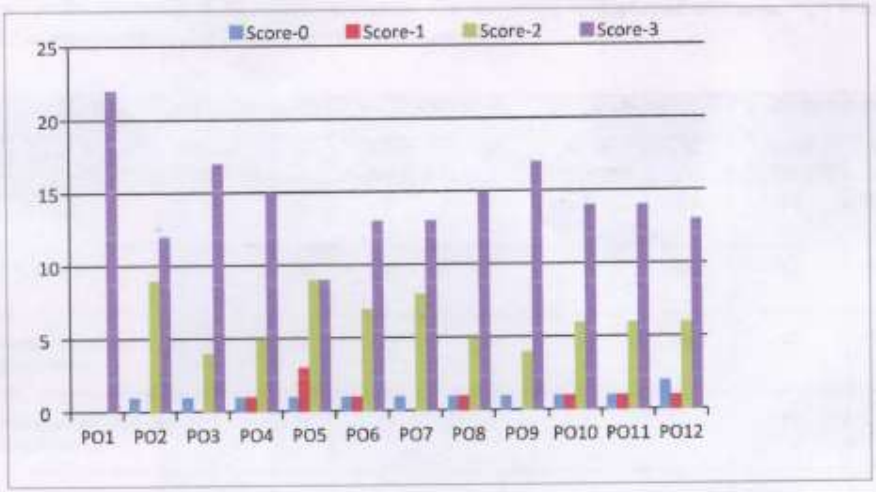
Alumni Survey (SSS) was conducted among the passout students of the college through the college website for AS-2020-21. The questionnaire has been framed based on NAAC guidelines. Students have rated the question in a **scale of 0 to 3**. The result of this survey is based on the response of **22** Alumni students. The summary is displayed on the college website and it is also presented in the IQAC meeting.

	0 - Disagree		1 - Neutral		2 - Agree		3 - Strongly Agree		Total Responses
	No. of Responses	%	No. of Responses	%	No. of Responses	%	No. of Responses	%	
PO1- Apply knowledge on mathematics, science and engineering.	0	0	0	0	0	0.0	22	100	22
PO2- Identify, formulate, and solve problems.	1	5	0	0	9	40.9	12	55	22
PO3- Design / develop solutions meeting their requirements.	1	5	0	0	4	18.2	17	77	22
PO4- Conduct investigations and provide valid conclusions.	1	5	1	5	5	22.7	15	68	22
PO5- Use modern engineering equipment, software, tools or technology for design and development.	1	5	3	14	9	40.9	9	41	22
PO6-Apply engineering techniques and skills.	1	5	1	5	7	31.8	13	59	22
PO7- Understand societal impact of engineering solutions & Issues.	1	5	0	0	8	36.4	13	59	22
PO8-Commit to professional and ethical responsibilities	1	5	1	5	5	22.7	15	68	22
PO9- Function effectively as an individual and as a member / leader in-diverse teams.	1		0	0	4	18.2	17	77	22
PO10- Communicate Effectively	1	5	1	5	6	27.3	14	64	22
PO11- Demonstrate knowledge and understanding of engineering and management principles	1	5	1	5	6	27.3	14	64	22
PO12- Recognize the need for life long learning and stay relevant in the profession.	2	9	1	5	6	27.3	13	59	22

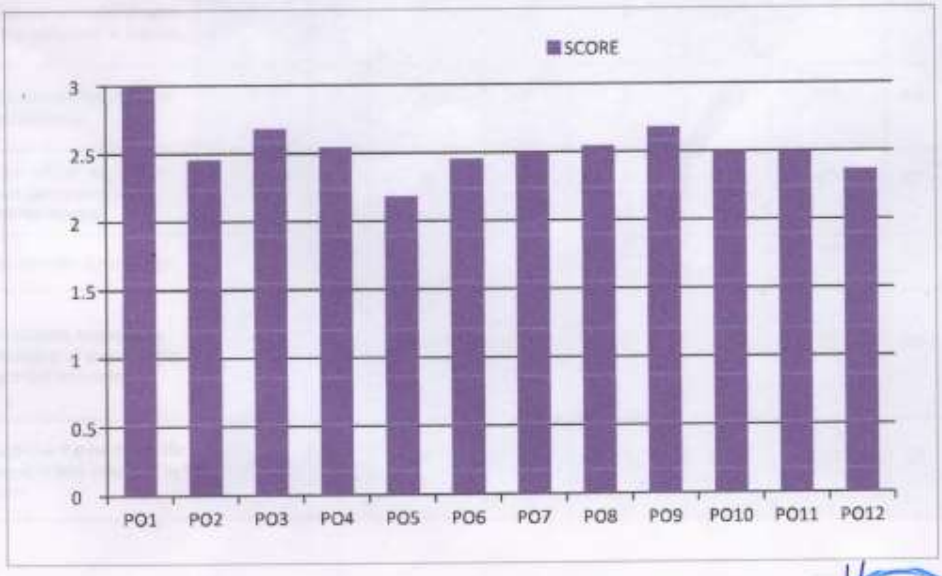
Shivalik College of Engineering Coordinator IQAC Dehradun

Shivalik College of Engineering, DEHRADUN
Internal Quality Assurance Cell

Question-wise Scores (in 0 to 3 scale)



PO Scores (in 0 to 3 Scale)



Shivalik College of Engineering Coordinator IQAC Dehradun

SHIVALIK COLLEGE OF ENGINEERING

INTRODUCTION

The Faculty Feedback on the functioning and development of the college is designed to get formative feedback from the teaching faculty that can be used towards the improvement in the functioning and the overall development of the college. For the academic year 2021-22.

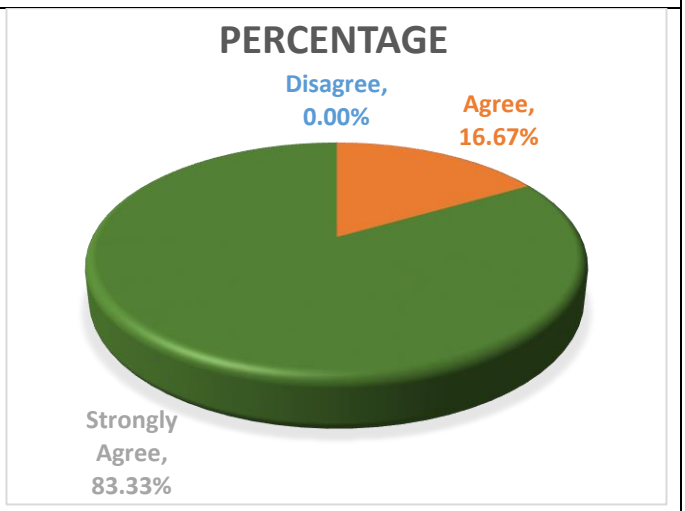
Number of faculty participated = 18

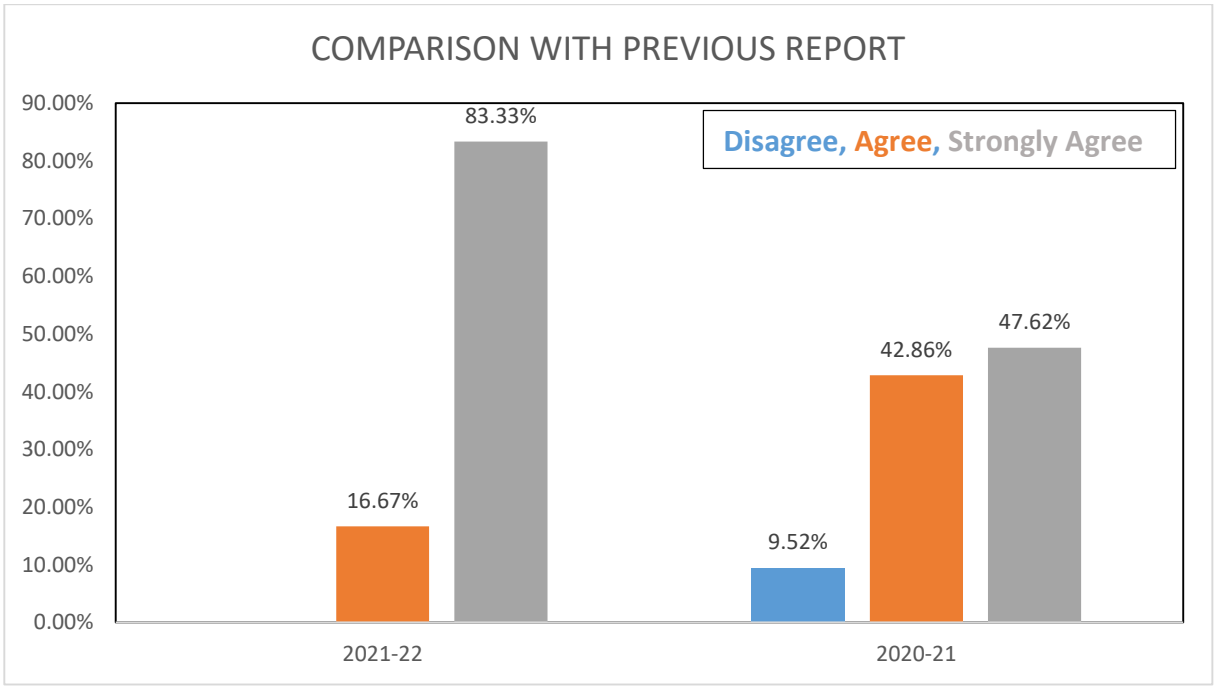
The different parameters on which the functioning and development of the college is evaluated are analyzed as under:

PARAMETERS

1.	Aims and objectives of the syllabi are well defined and clear to teachers and students.

Parameters	Responses	Percentage
Disagree	0	0.00%
Agree	3	16.67%
Strongly Agree	15	83.33%

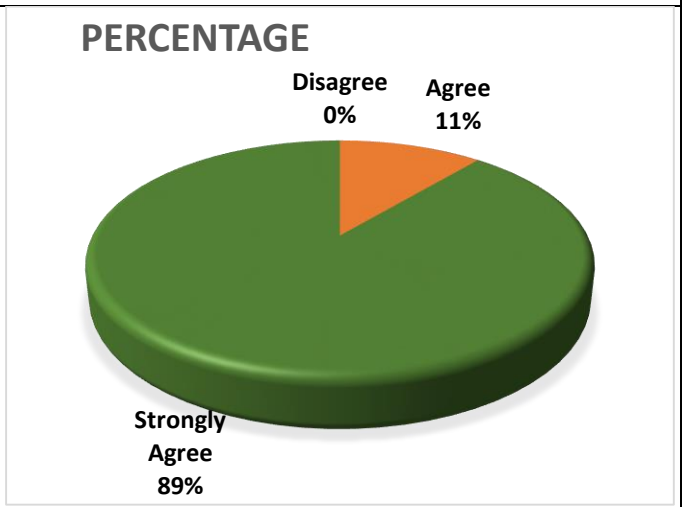


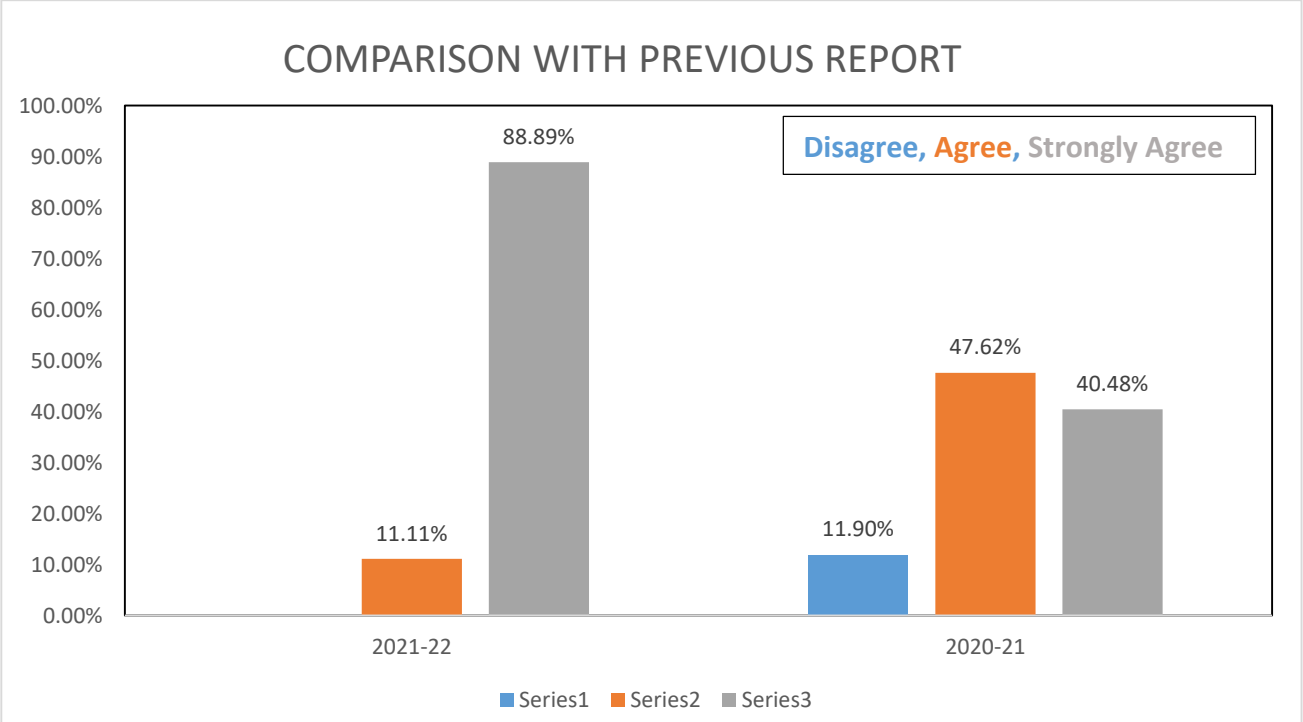


SHIVALIK COLLEGE OF ENGINEERING

2.	Course content is followed by corresponding reference materials.

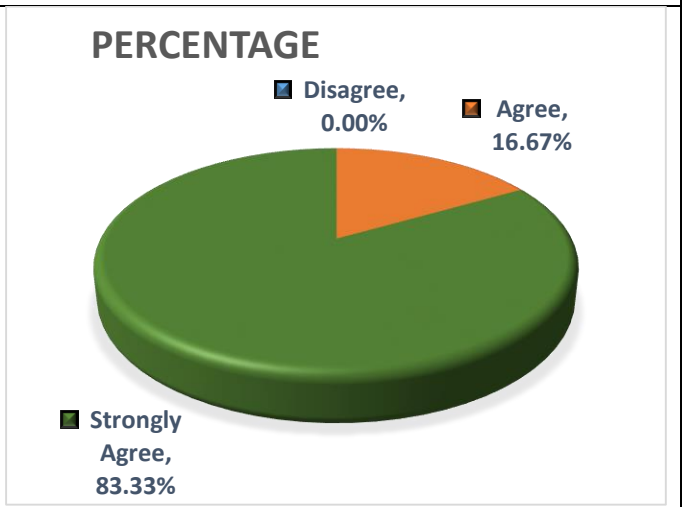
Parameters	Responses	Percentage
Disagree	0	0.00%
Agree	2	11.11%
Strongly Agree	16	88.89%

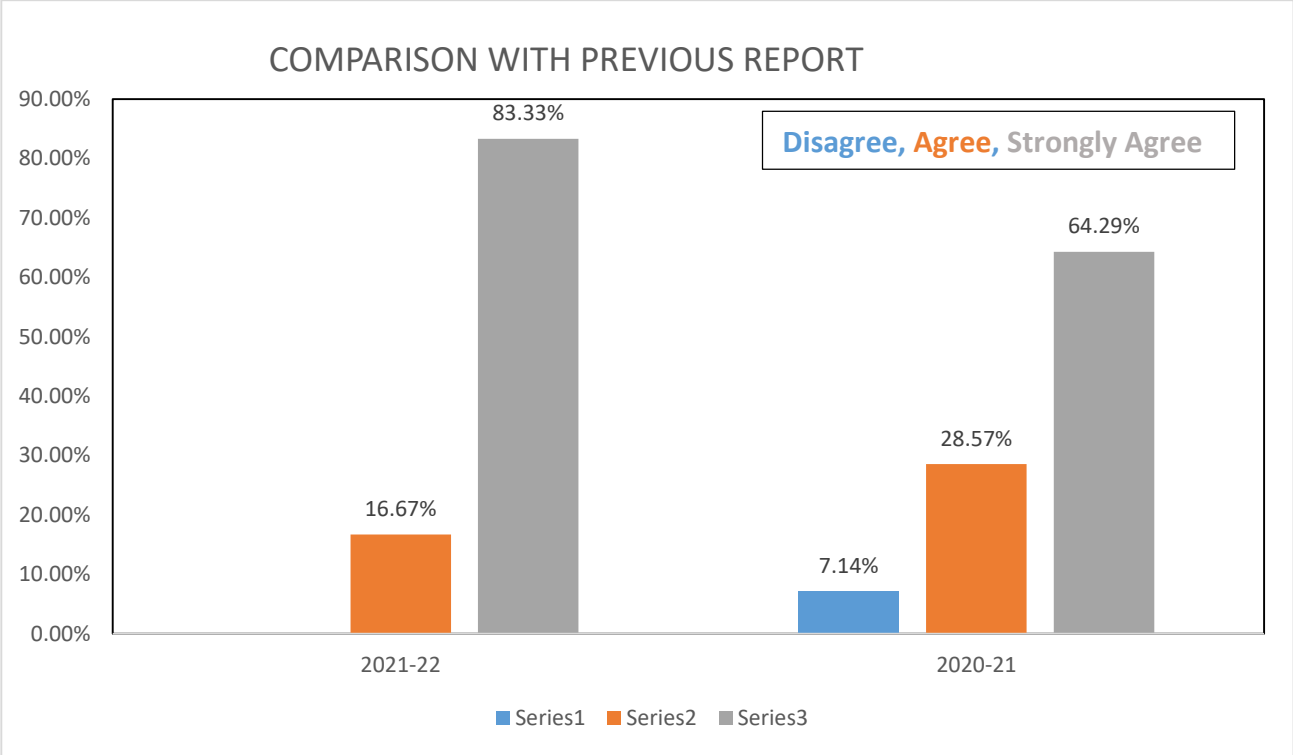




3.	Sufficient number of prescribed books are available in the Library.

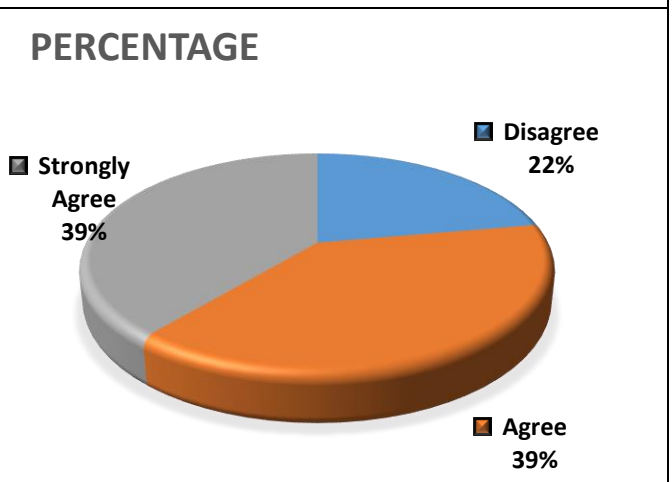
Parameters	Responses	Percentage
Disagree	0	0.00%
Agree	3	16.67%
Strongly Agree	15	83.33%

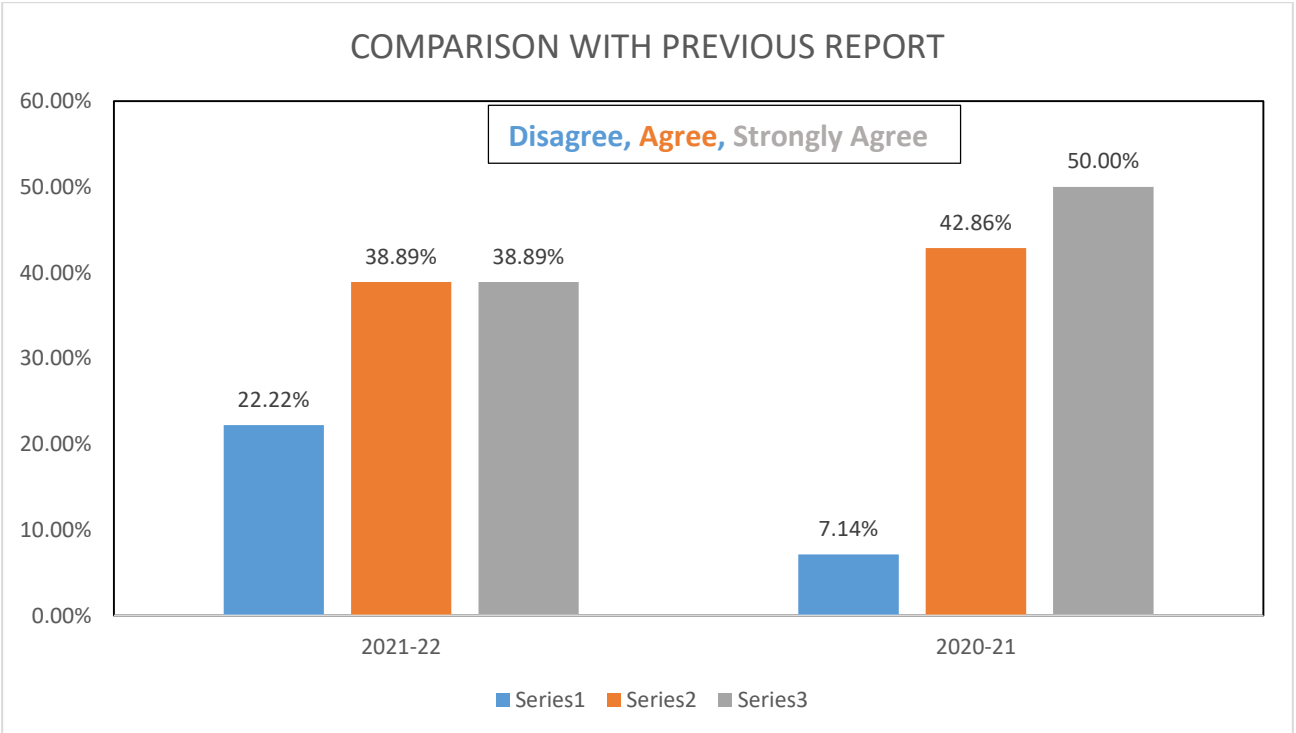




4.	The course/syllabus has good balance between theory and application.

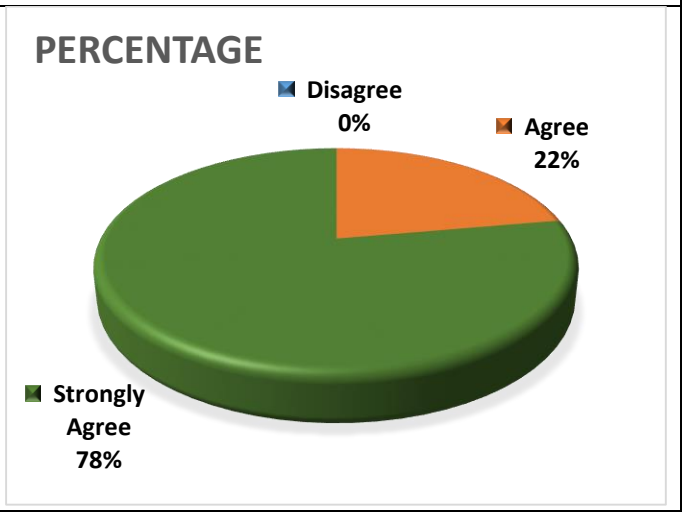
Parameters	Responses	Percentage
Disagree	4	22.22%
Agree	7	38.89%
Strongly Agree	7	38.89%

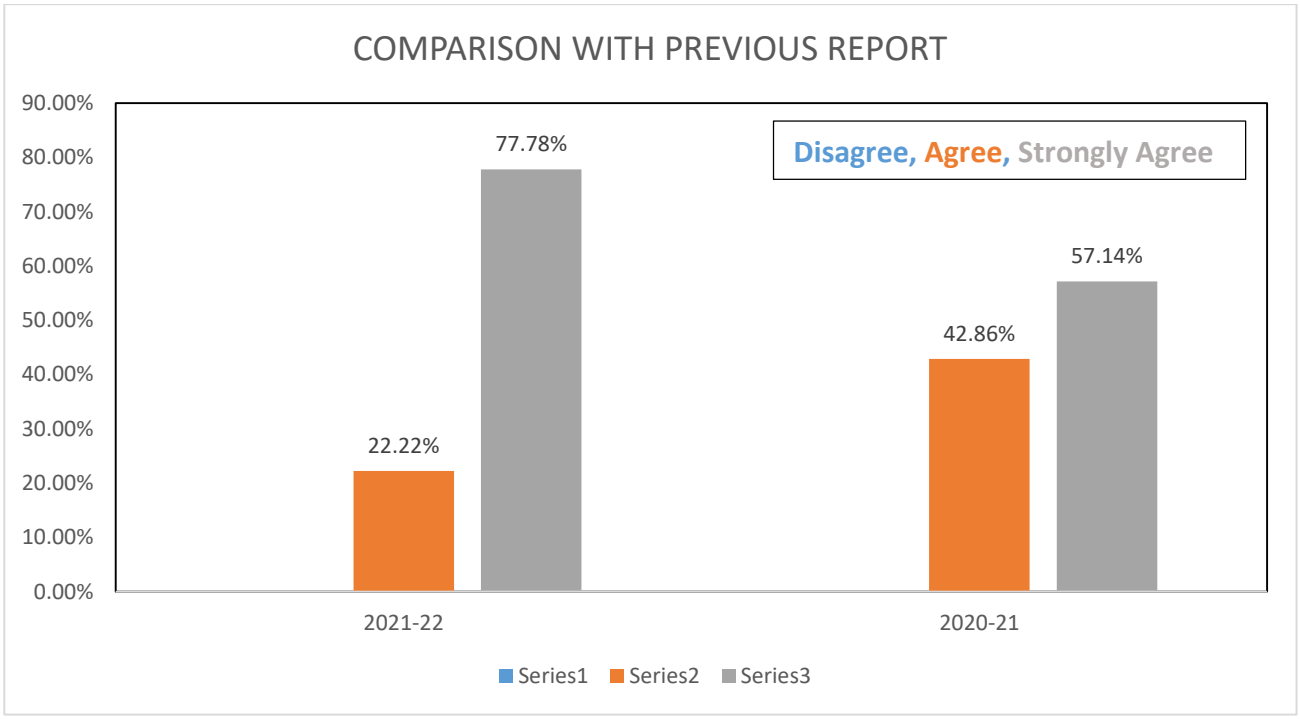




5.	The course/syllabus has made me interested in the subject area.

Parameters	Responses	Percentage
Disagree	0	0.00%
Agree	4	22.22%
Strongly Agree	14	77.78%

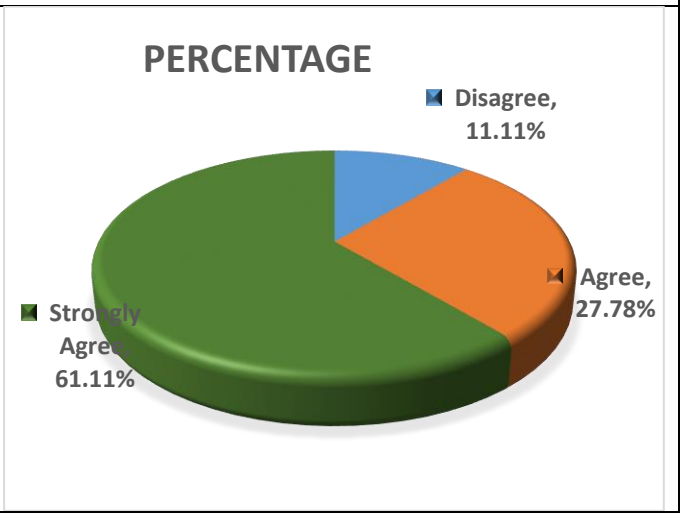


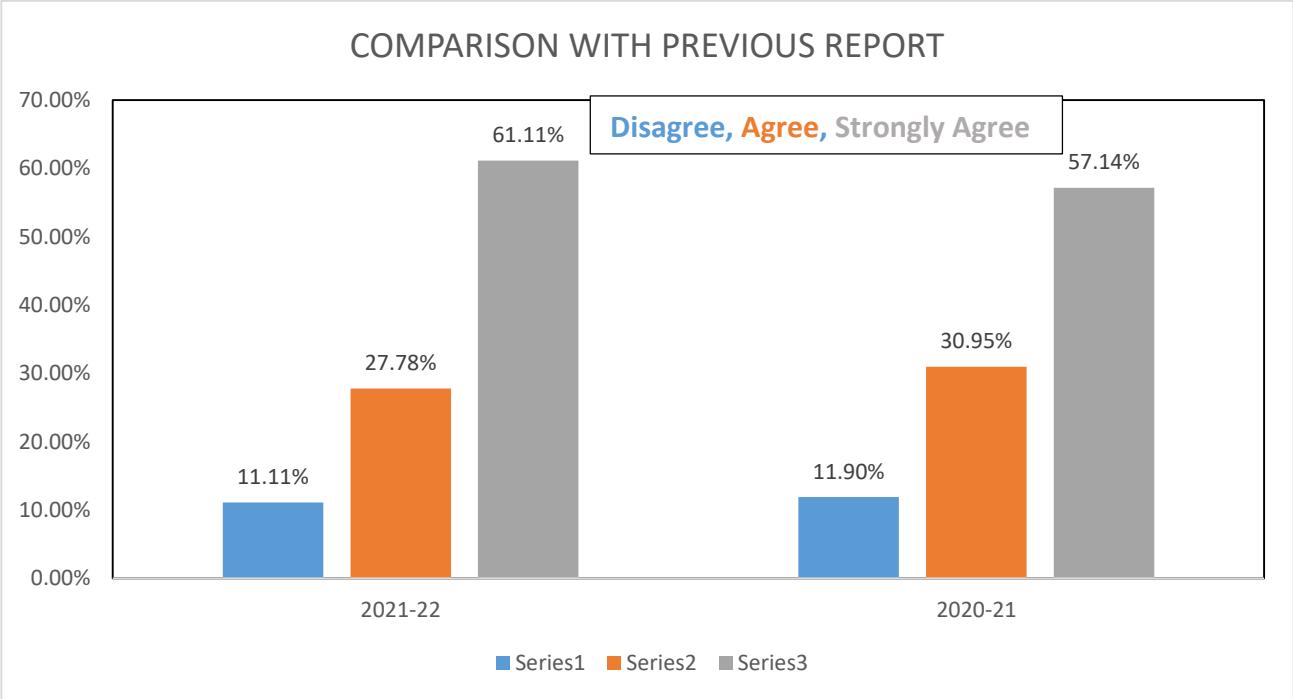


SHIVALIK COLLEGE OF ENGINEERING

6.	The course/syllabus of this subject increased my knowledge and perspective in the subject area.

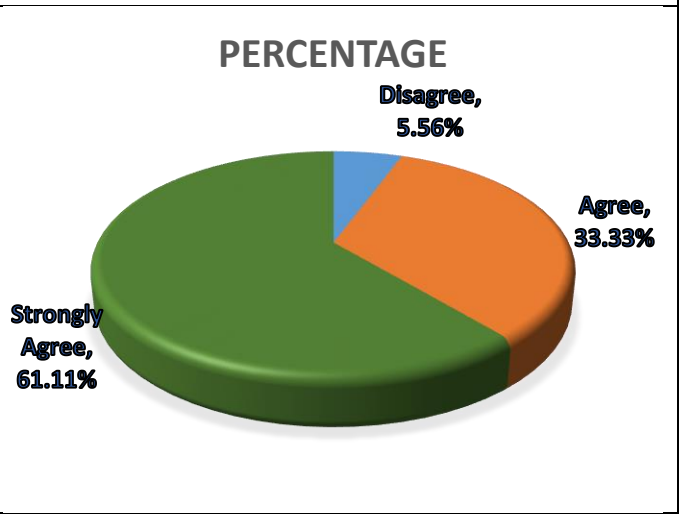
Parameters	Responses	Percentage
Disagree	2	11.11%
Agree	5	27.78%
Strongly Agree	11	61.11%

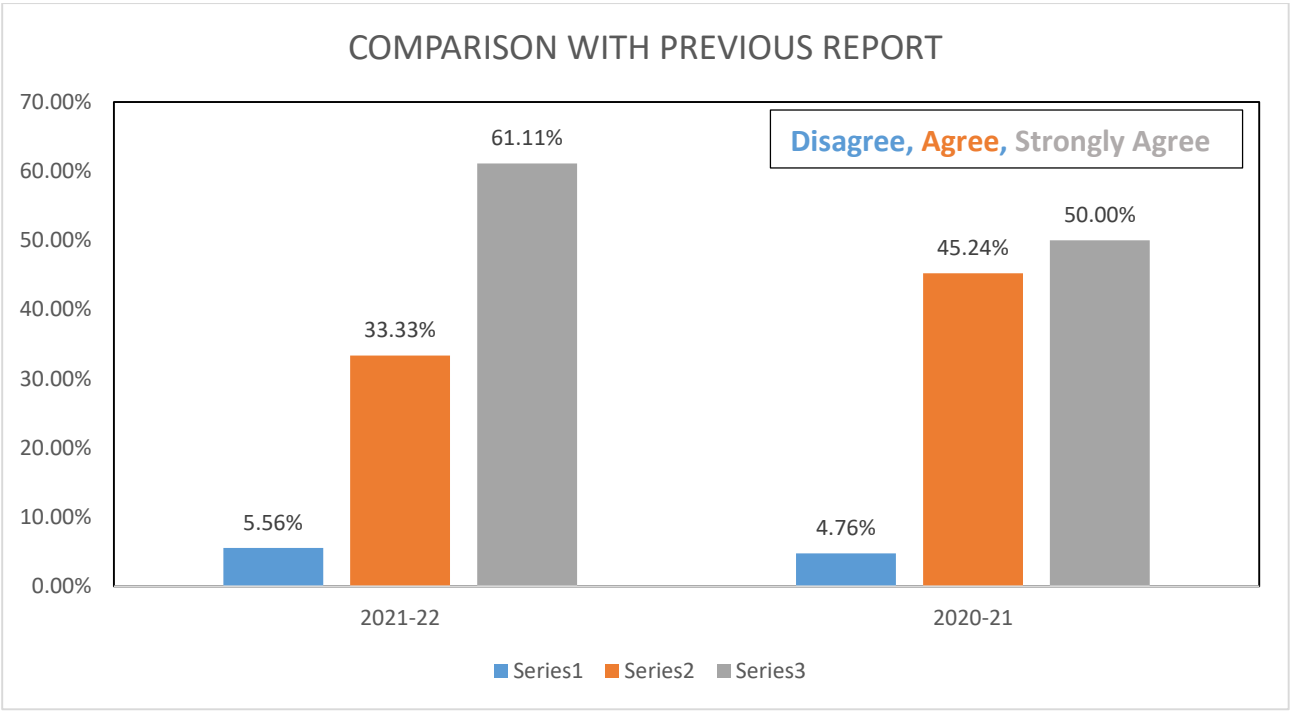




7.	The books prescribed/listed as reference materials are relevant, updated and appropriate.

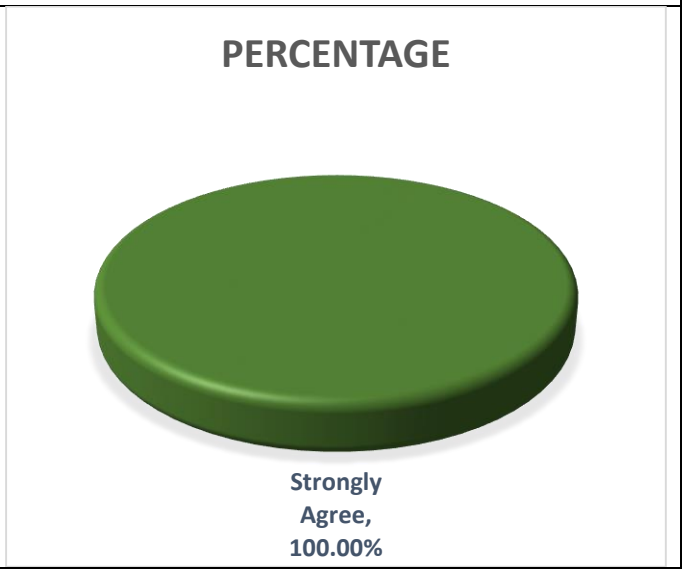
Parameters	Responses	Percentage
Disagree	1	5.56%
Agree	6	33.33%
Strongly Agree	11	61.11%

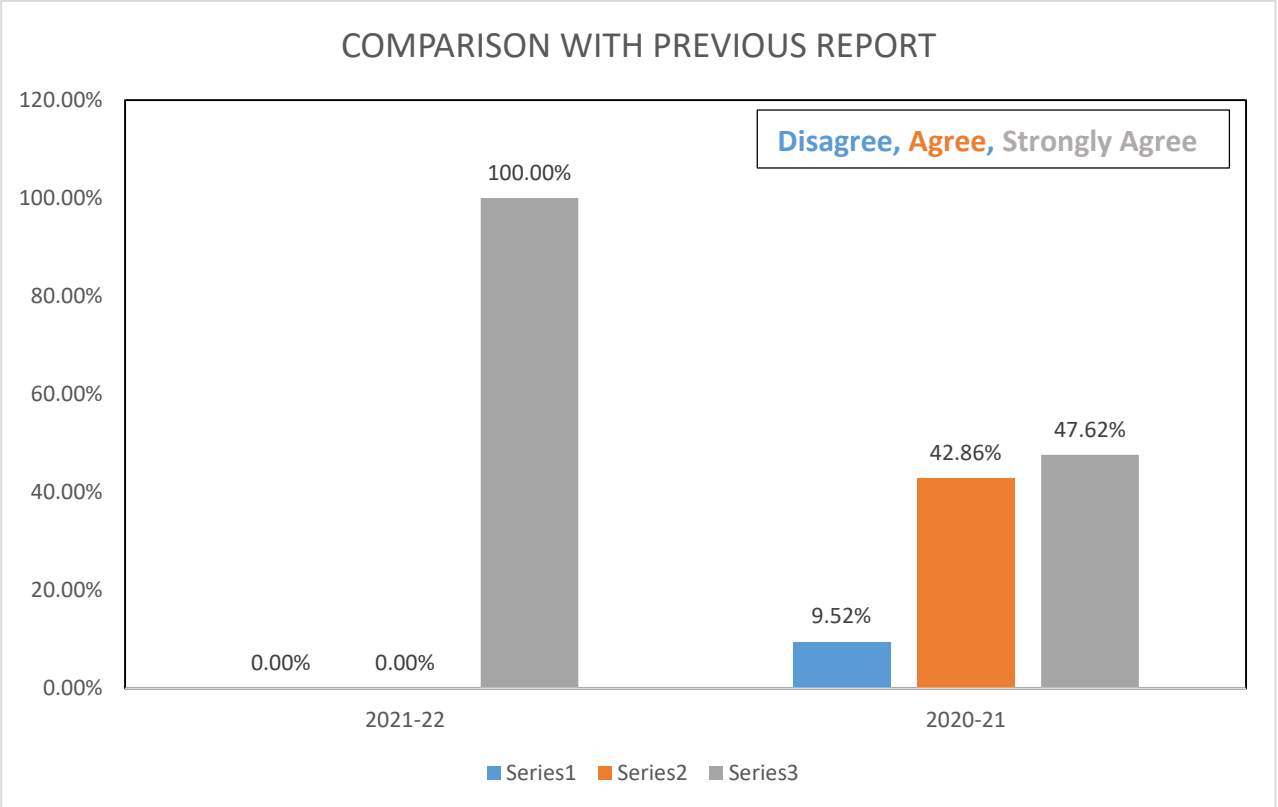




8.	Infrastructural facilities, such as teacher's rooms/carrels, class rooms, reading rooms and toilets are available in the Department.

Parameters	Responses	Percentage
Disagree	0	0.00%
Agree	0	0.00%
Strongly Agree	18	100.00%

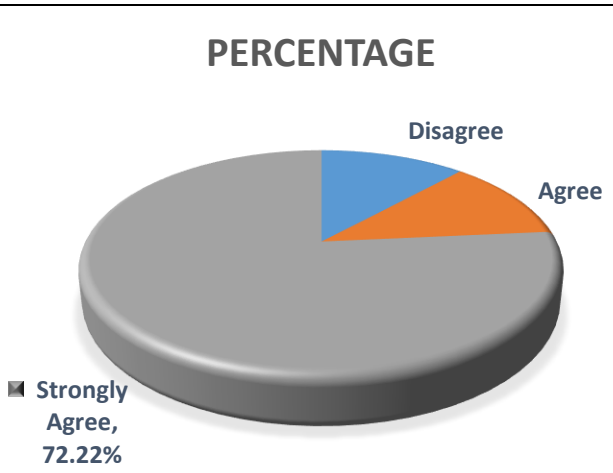


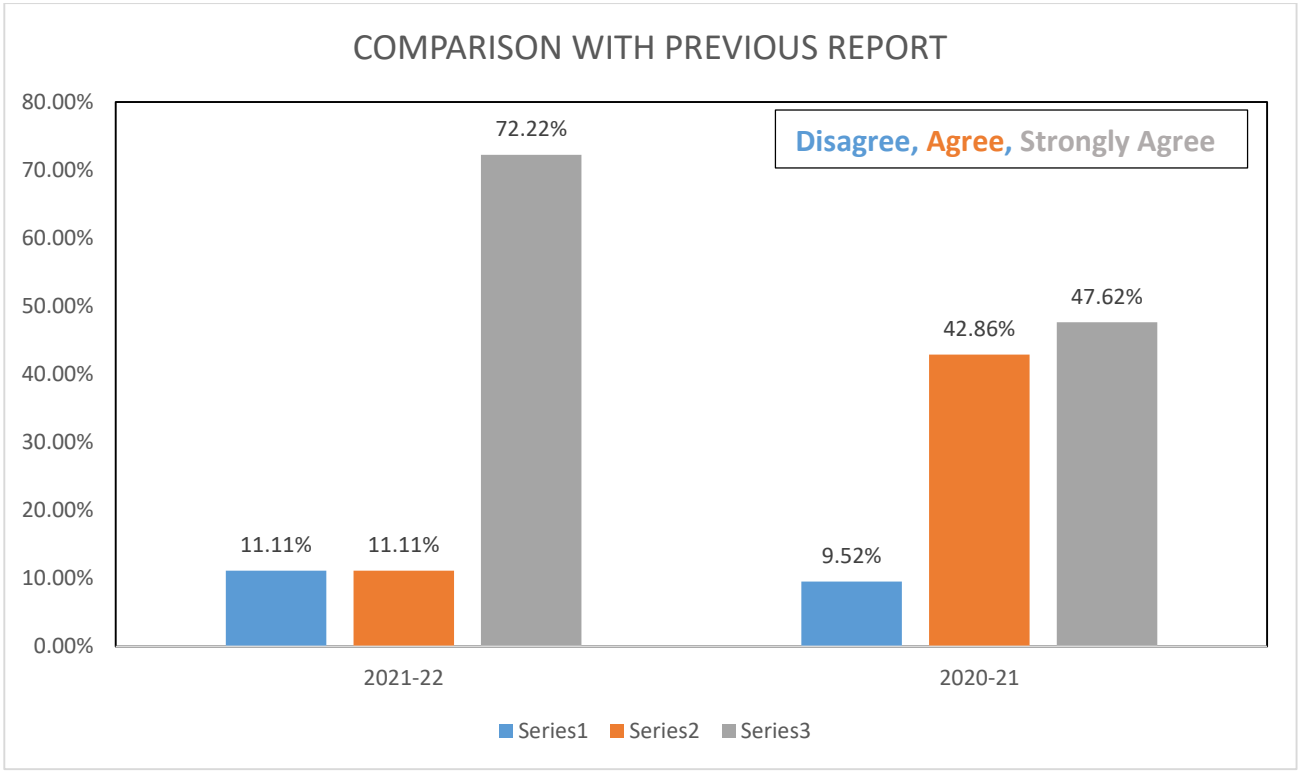


SHIVALIK COLLEGE OF ENGINEERING

9.	How Satisfied are you with the cleanliness and variety of food items available in the cafeteria?

Parameters	Responses	Percentage
Disagree	2	11.11%
Agree	2	11.11%
Strongly Agree	13	72.22%

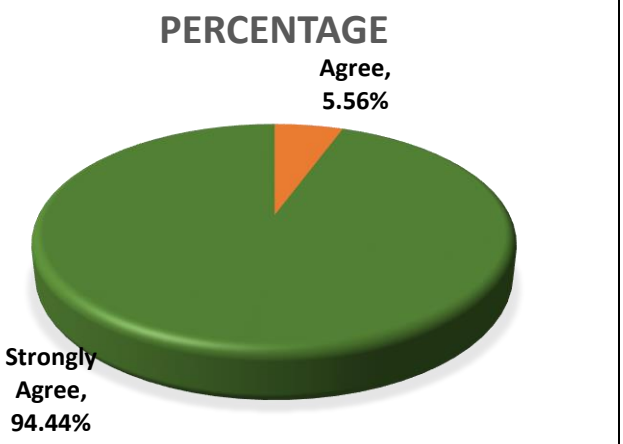


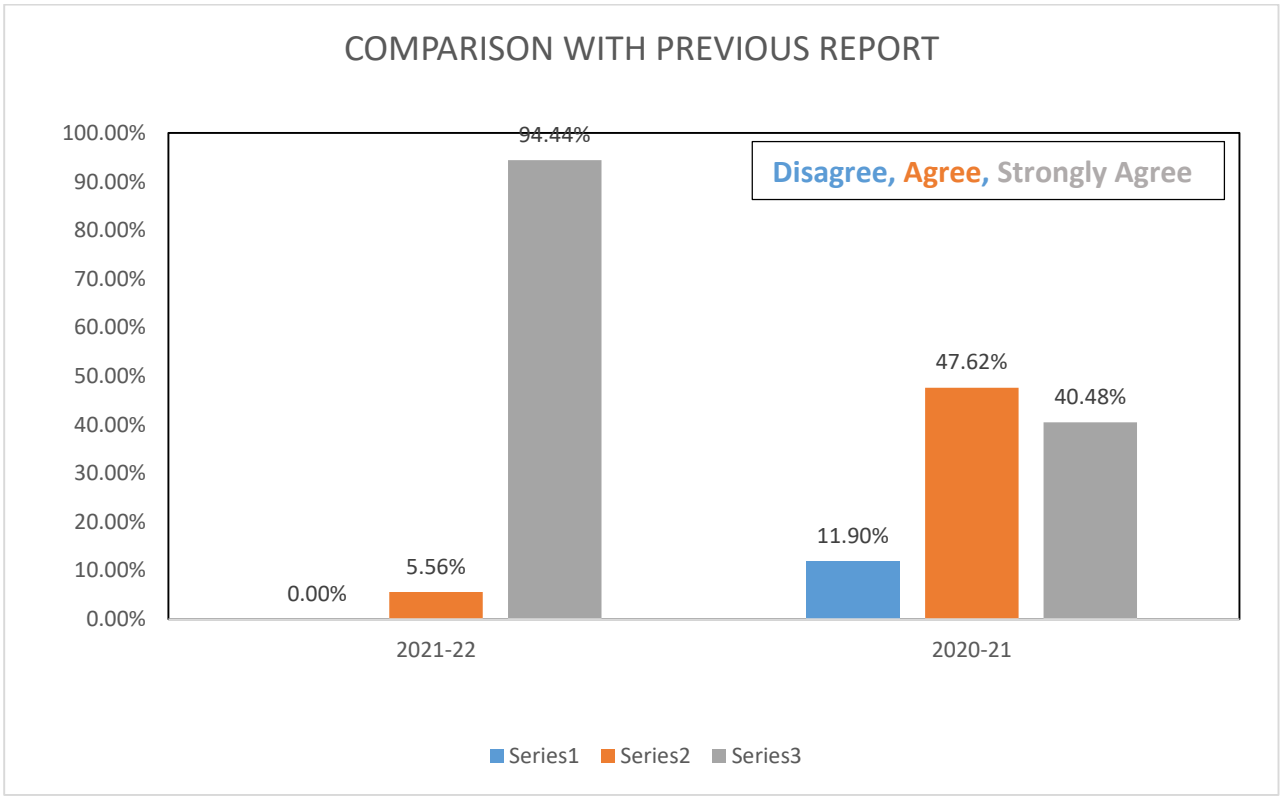


SHIVALIK COLLEGE OF ENGINEERING

10.	Tests and examinations are conducted well in time with proper coverage of all units in the Syllabus.

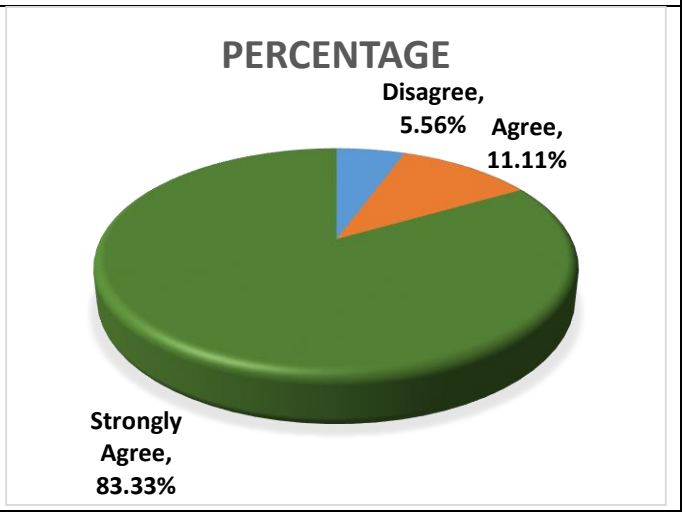
Parameters	Responses	Percentage
Disagree	0	0.00%
Agree	1	5.56%
Strongly Agree	17	94.44%

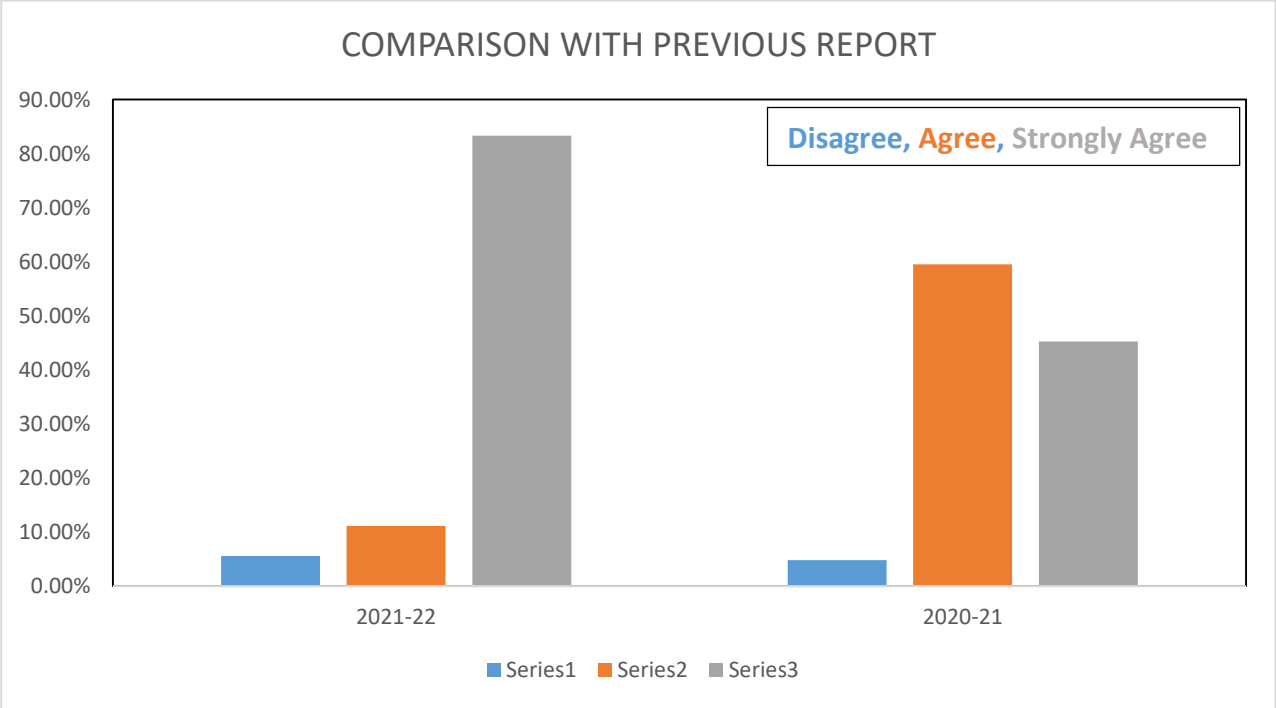




11.	I have the freedom to propose, modify, suggest and incorporate new topics in the syllabus (beyond the Syllabus)

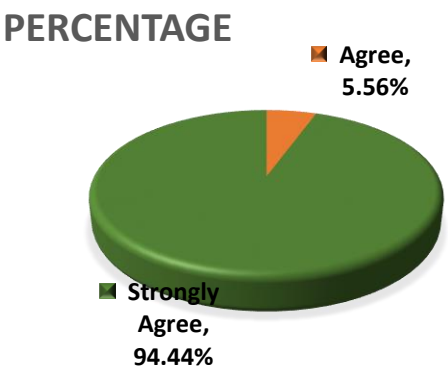
Parameters	Responses	Percentage
Disagree	1	5.56%
Agree	2	11.11%
Strongly Agree	15	83.33%

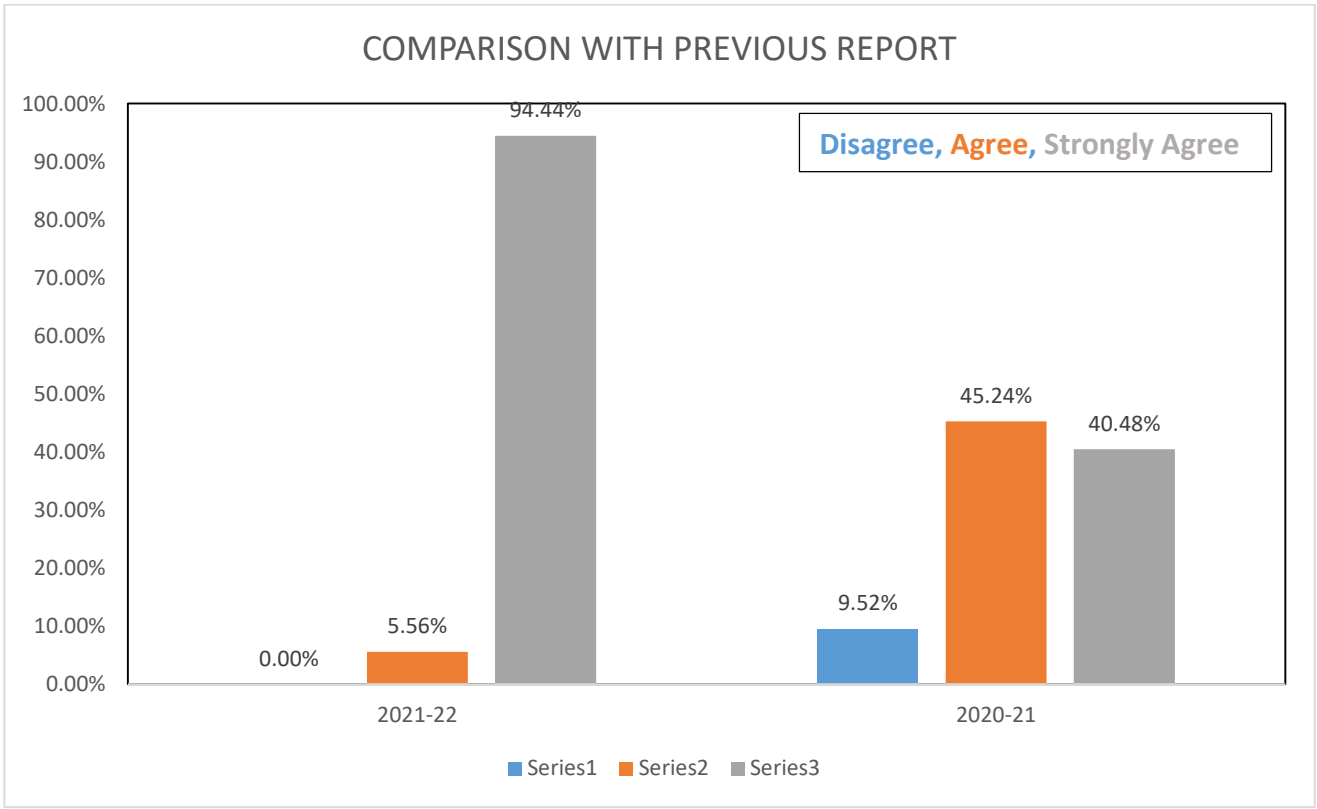




12.	I have the freedom to adopt new techniques/strategies of teaching such as seminar presentations, group discussions and learners' participations.

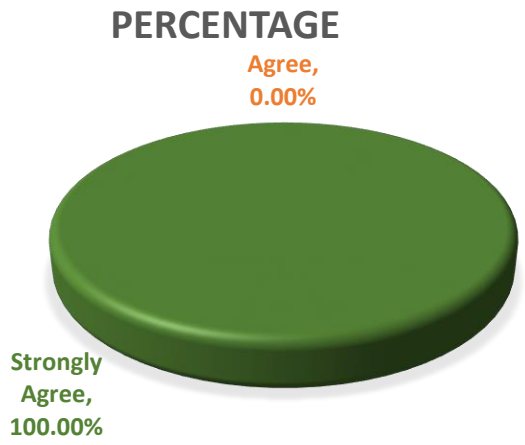
Parameters	Responses	Percentage
Disagree	0	0.00%
Agree	1	5.56%
Strongly Agree	17	94.44%

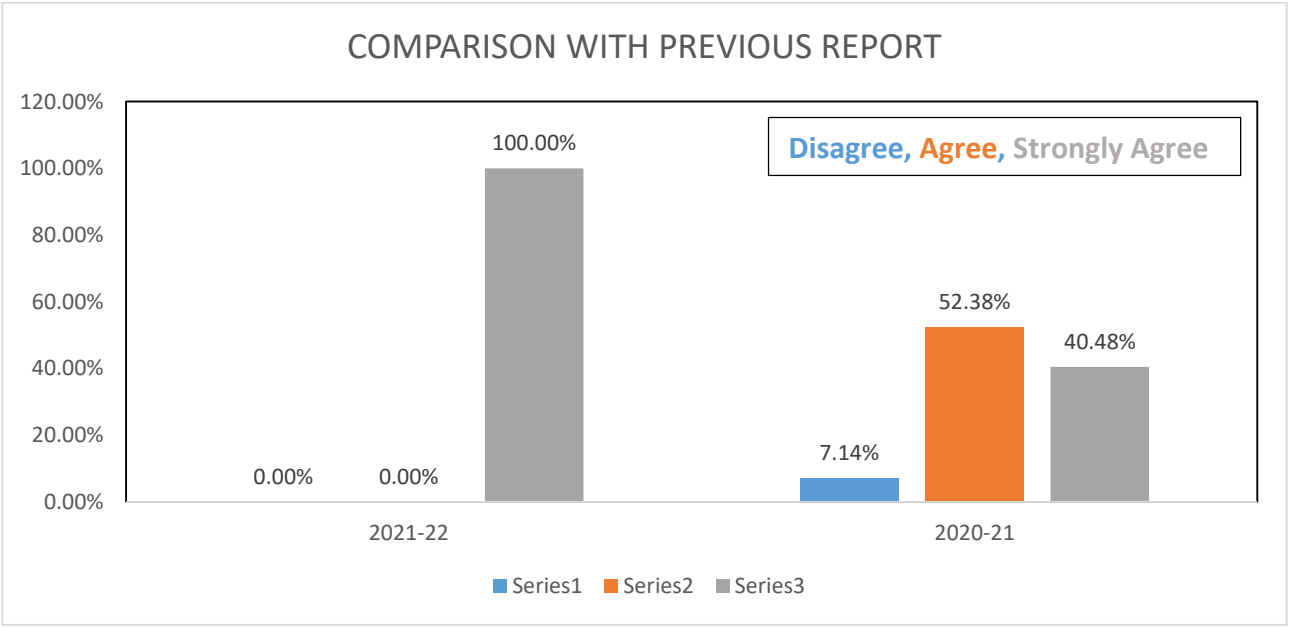




13.	I have the freedom to adopt/adapt new techniques/strategies of testing and assessment of students.

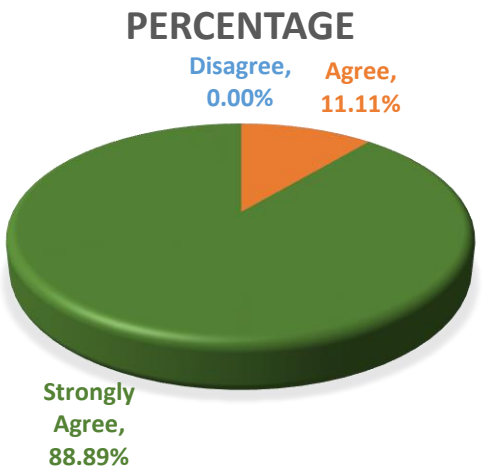
Parameters	Responses	Percentage
Disagree	0	0.00%
Agree	0	0.00%
Strongly Agree	18	100.00%

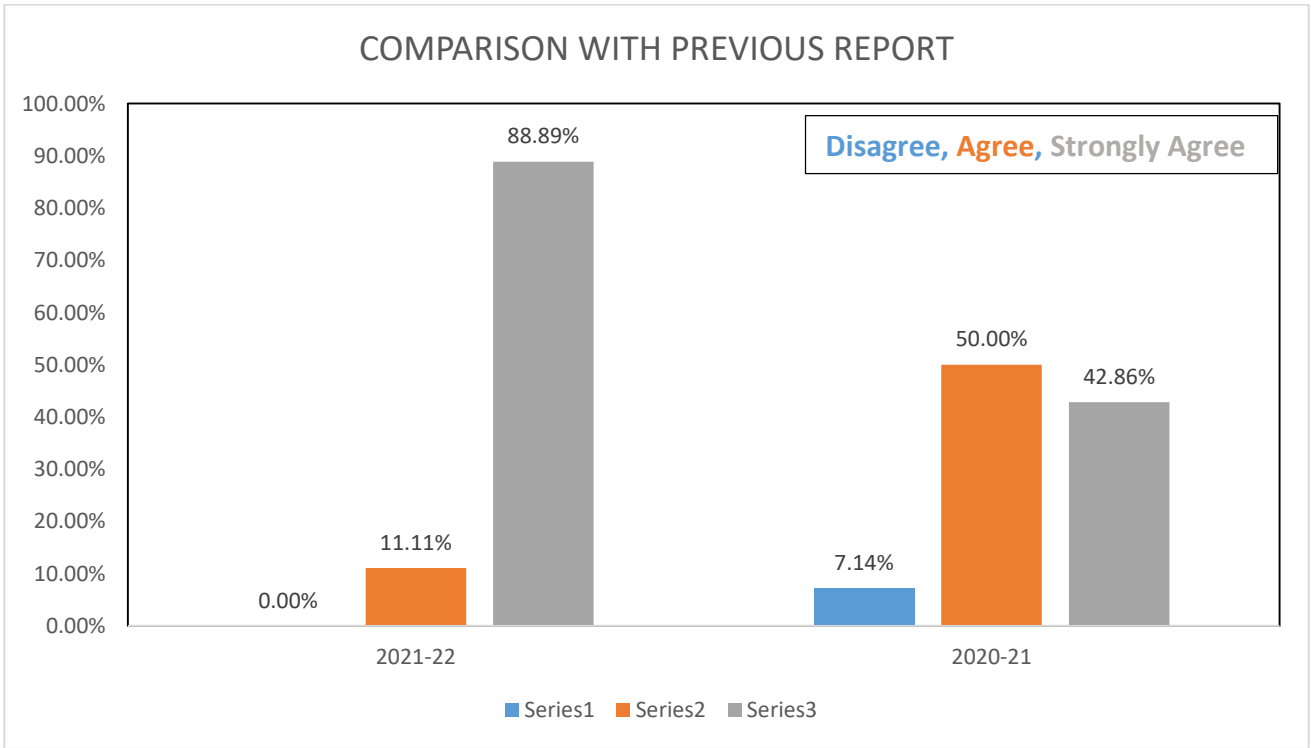




14.	The environment in the department is conducive to teaching and research.

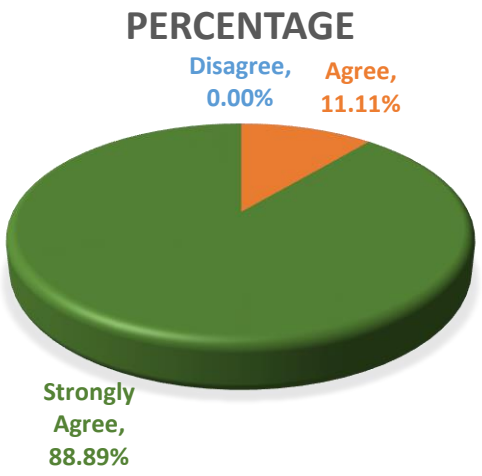
Parameters	Responses	Percentage
Disagree	0	0.00%
Agree	2	11.11%
Strongly Agree	16	88.89%

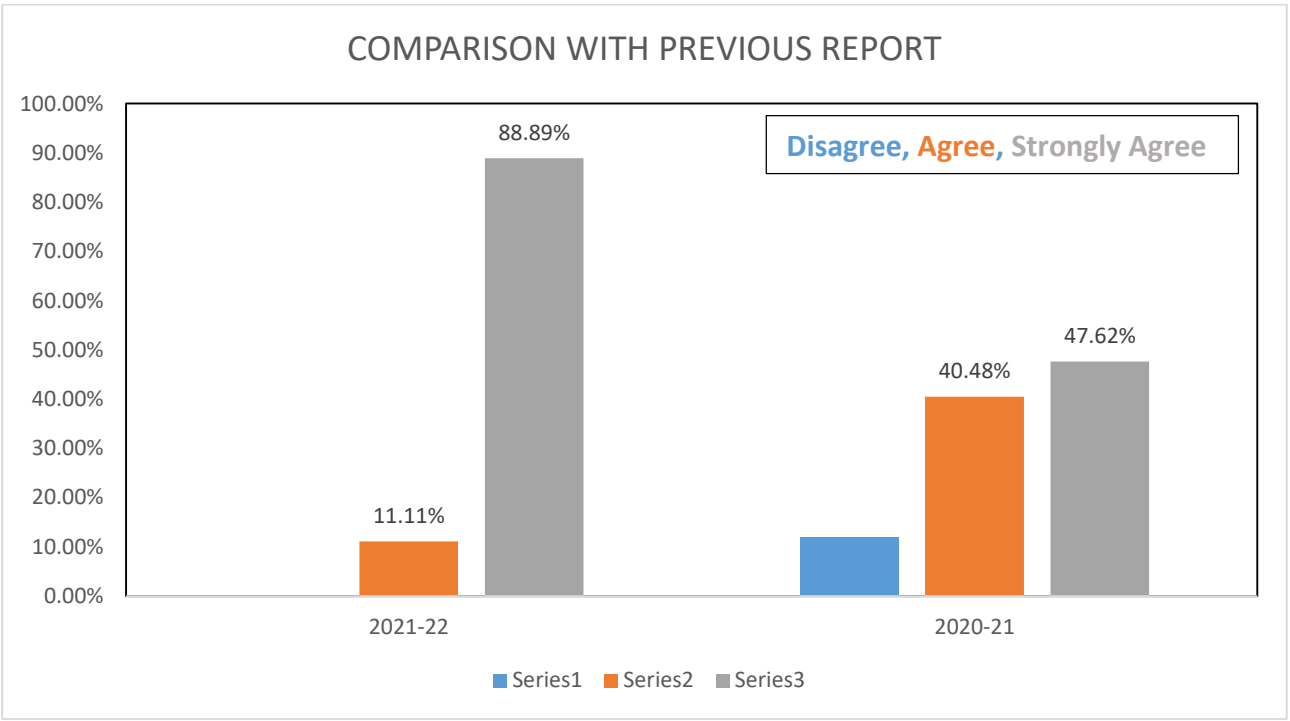




15.	The administration is teacher friendly

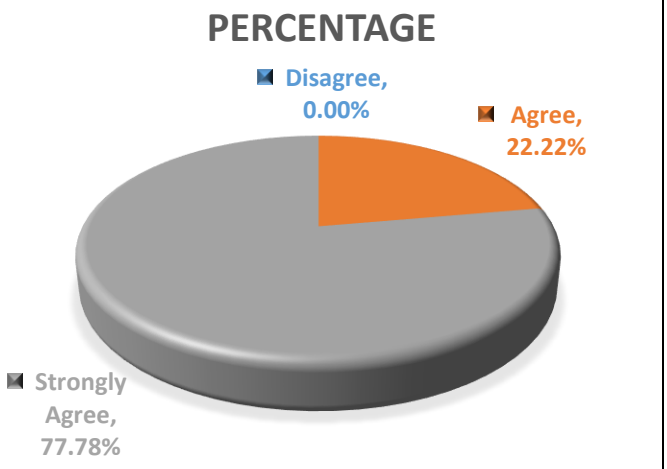
Parameters	Responses	Percentage
Disagree	0	0.00%
Agree	2	11.11%
Strongly Agree	16	88.89%

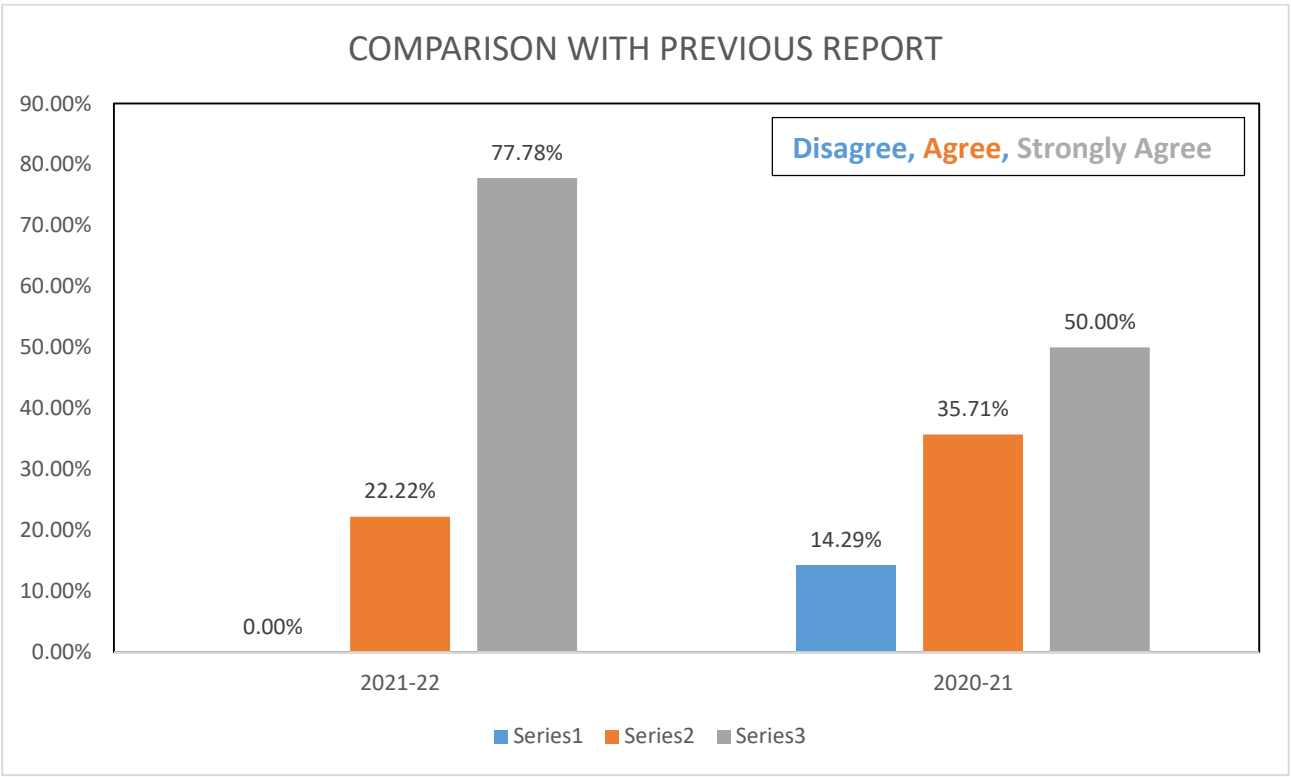




16.	The College provides adequate and smooth support for projects and research facilities.

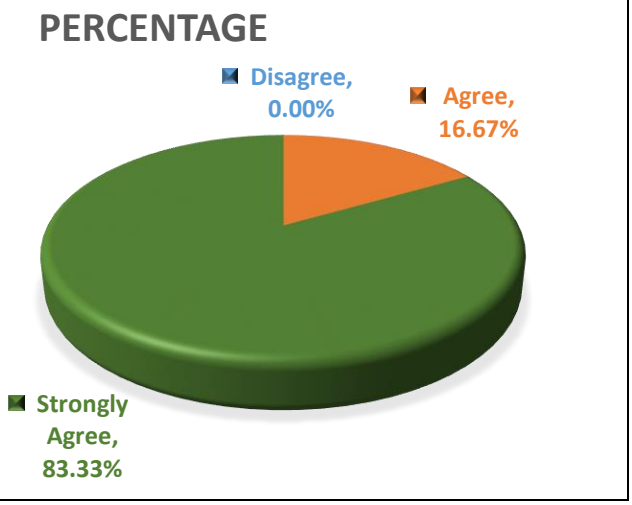
Parameters	Responses	Percentage
Disagree	0	0.00%
Agree	4	22.22%
Strongly Agree	14	77.78%

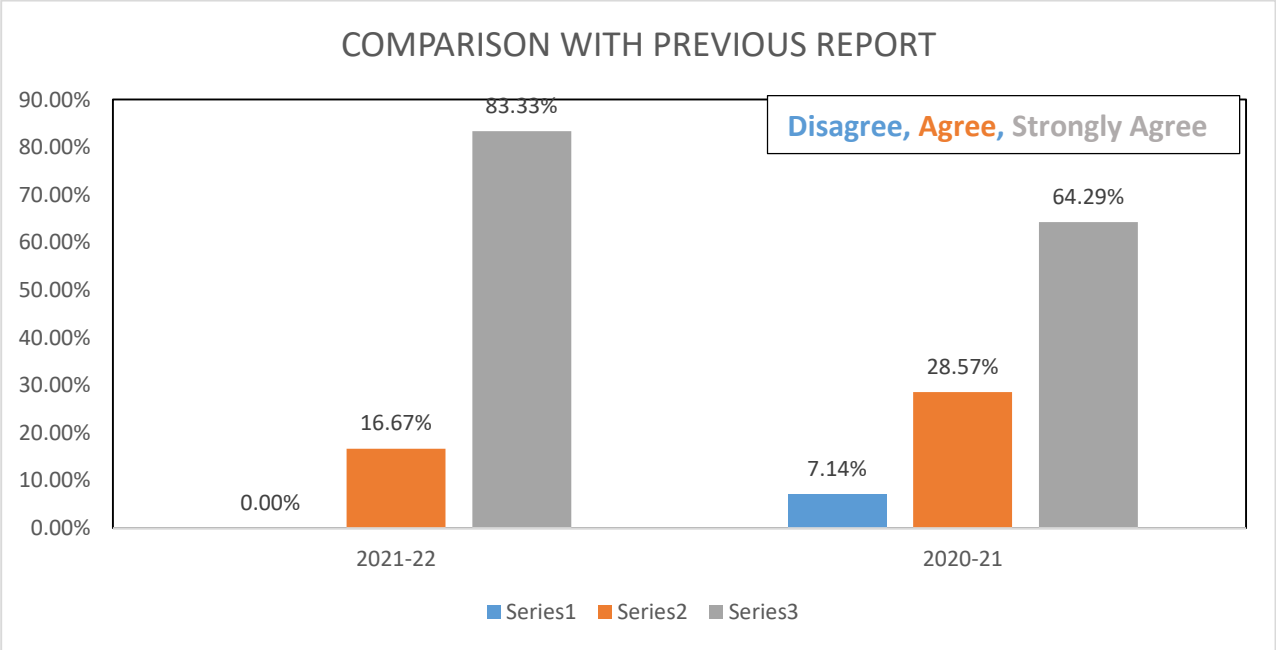




17.	The College provides adequate funding and support to faculty members for upgrading their skills and qualifications.

Parameters	Responses	Percentage
Disagree	0	0.00%
Agree	3	16.67%
Strongly Agree	15	83.33%

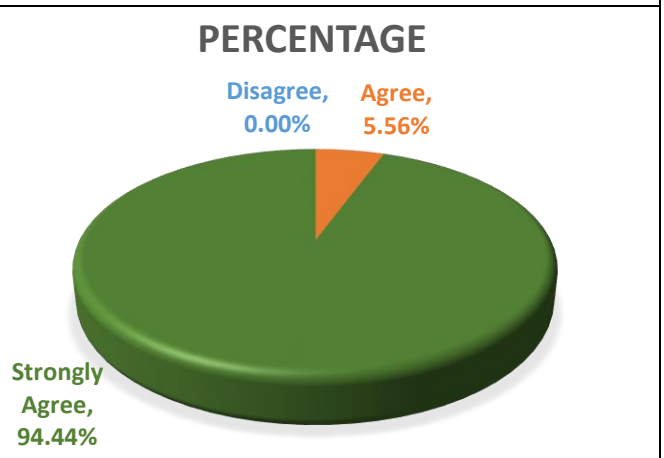


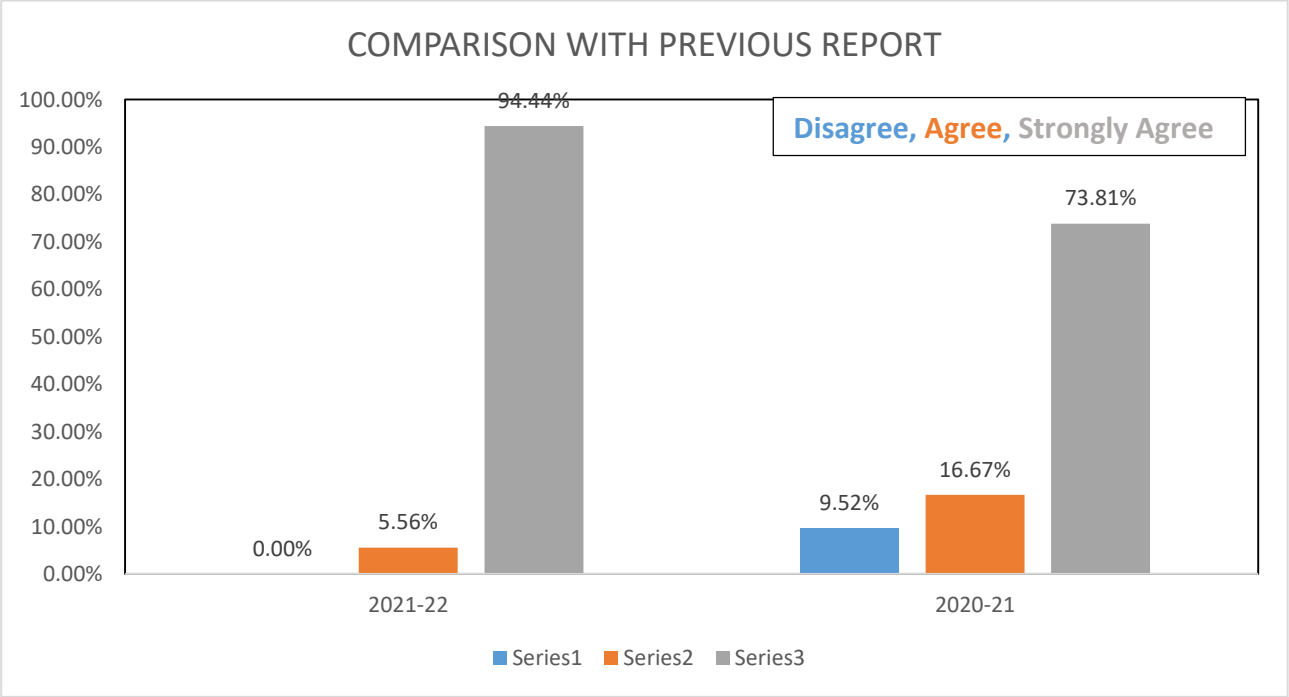


SHIVALIK COLLEGE OF ENGINEERING

18.	How do you feel that the cleanliness in your SCE campus?

Parameters	Responses	Percentage
Disagree	0	0.00%
Agree	1	5.56%
Strongly Agree	17	94.44%

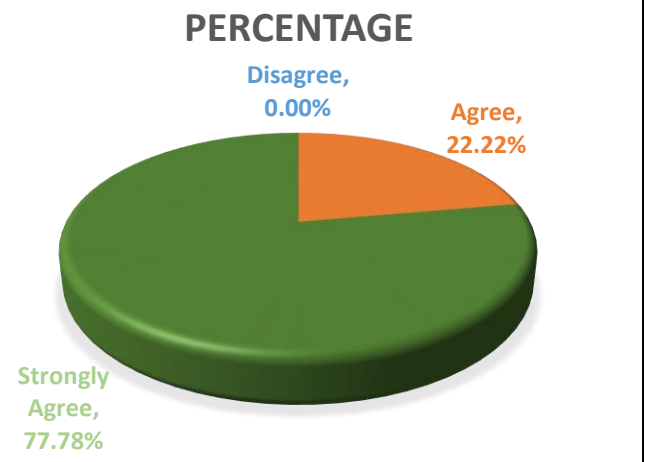


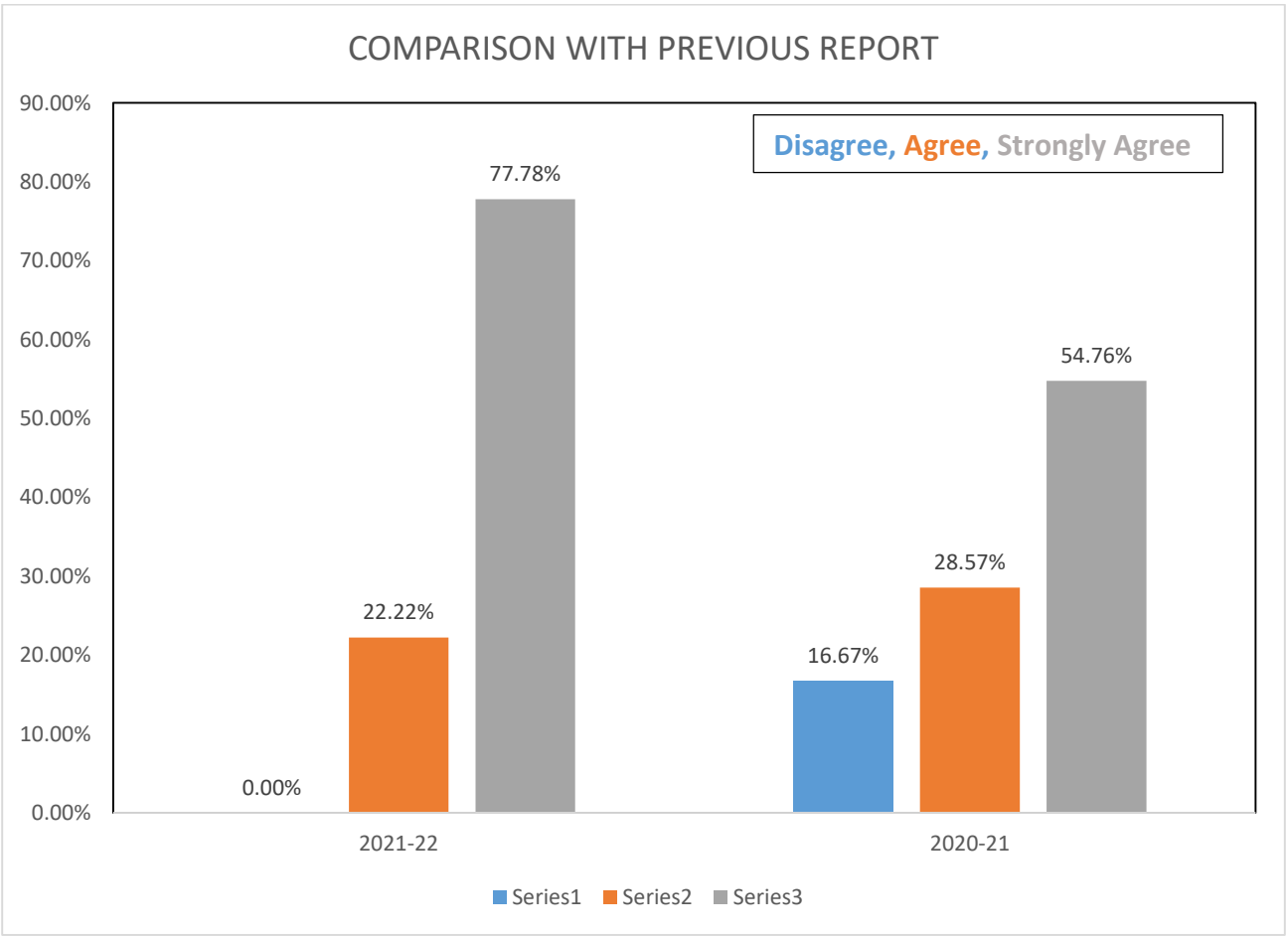


SHIVALIK COLLEGE OF ENGINEERING

19.	Do you think that the college takes enough measures to curb racial and ethnic bias?

Parameters	Responses	Percentage
Disagree	0	0.00%
Agree	4	22.22%
Strongly Agree	14	77.78%





FEEDBACK ACTION TAKEN

FEEDBACK RECIEVED	ACTION TAKEN
Student Teacher meeting once a week will help student to their learning difficulties with the teacher concern.	Mentor to Conduct regular meeting with their Mentees – Dean QA
Alumni Feedback: STTPs to be conducted in mordent and contemporary industry used software	STTPS on Machine Learning and Cyber Security conducted by CSE Deptt. – HOD CSE
Employer Feedback: More focus on writing and oral communication	PDP Program for writing, oral communication and hands on training skills is already in implementation- Head T&P

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