Academic Year 2020-2021-First year students (Semesters I and II)

The survey form conducted among students consists of two sections:

1. Student's Feedback Form for Online Classes which is basically student's assessment of
   (i)   teachers' conduct and pedagogy and
   (ii)   the opportunities and support provided by teachers and the college.
2. Self Reflective Form which includes questions for assessment of student's level of discipline and engagement.

In academic year 2020-21 there were 60 students in the first year out of which a total of 59 have responded. The analyses of these are provided below:

Questions in Section A have a strong correlation with questions in Section B. Hence, the responses of the students for each section must be analysed in conjunction.
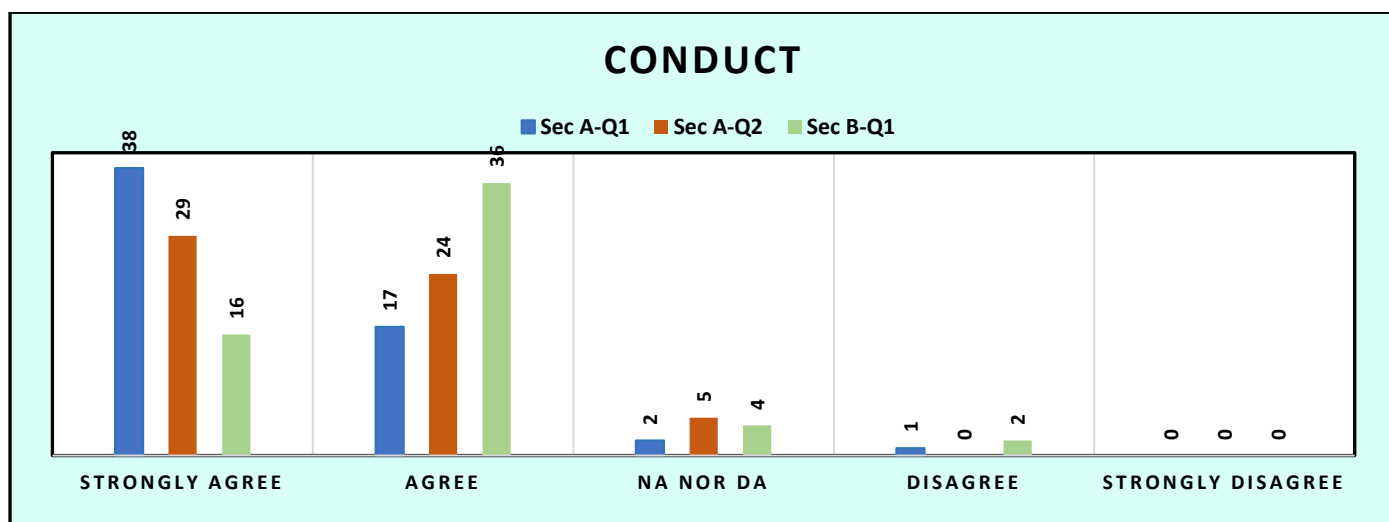
Conduct

Section A:

Q1 Faculty members are regular and punctual in taking online classes **(55/59-Strongly Agree and Agree).**
Q2- E-resources are provided and course is covered in time **(53/59- Strongly Agree and Agree) and**

Section B:
Q1 I am regular and punctual in attending my online classes **(52/59- Strongly Agree and Agree)**

CONDUCT

	Sec A-Q1	Sec A-Q2	Sec B-Q1
STRONGLY AGREE	38	29	16
AGREE	17	24	36
NA NOR DA	2	5	4
DISAGREE	1	0	2
STRONGLY DISAGREE	0	0	0

Analysis

The above data shows that students are themselves quite disciplined and are fully satisfied with the teachers' conduct. It also shows that the teaching learning process has been conducted as per the expected disciplinary norms.
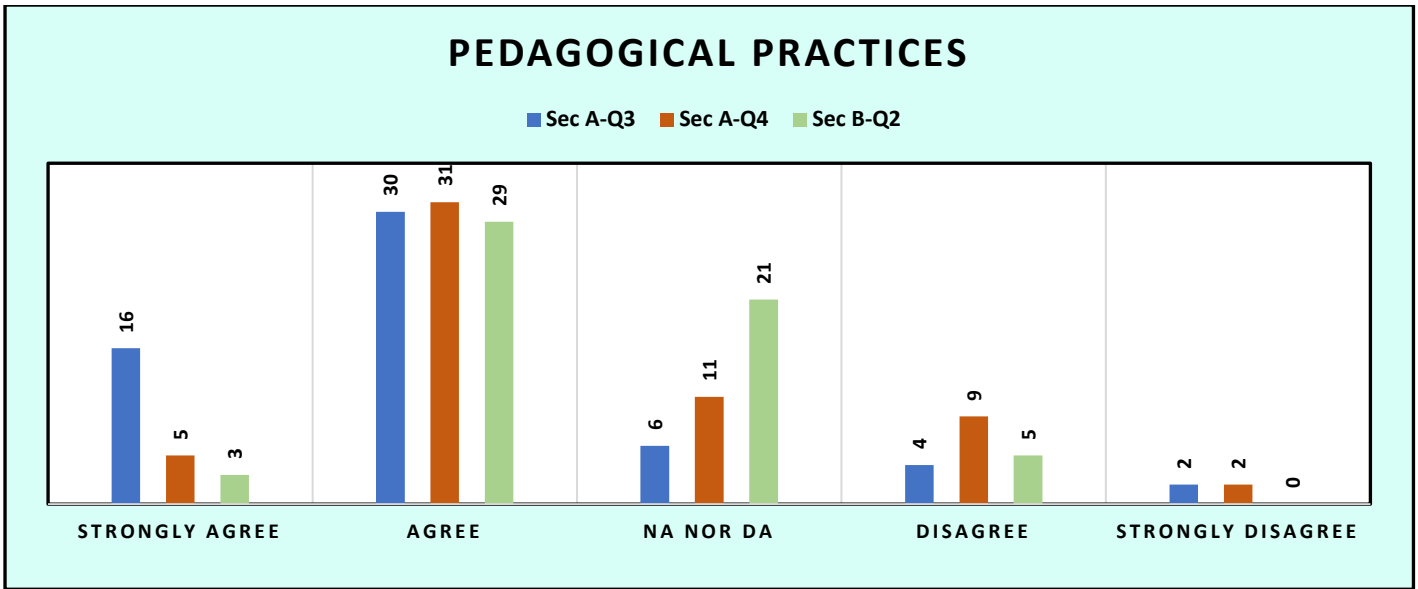
Pedagogical Practices

Section A:

Q3- The online classes are discussion based, interactive and engaging **teaching (46/59-Strongly Agree and Agree and 6 chose to neither agree nor disagree while 4 disagree)**
Q4-The teachers use teaching aids such as PPTs, videos, pod-casts, Ted talks during online classes. **These measure the effectiveness of teachers's pedagogical practices adopted for online teaching (36/59-Strongly Agree and Agree and 11-have chosen to neither agree nor disagree and 9-disagree)**

Section B:
Q2 I participate in class discussions and help my teacher in making the classes Semeresting **(32/59-Strongly Agree and Agree and 21-have chosen to neither agree nor disagree)**

PEDAGOGICAL PRACTICES

■ Sec A-Q3 ■ Sec A-Q4 ■ Sec B-Q2

	STRONGLY AGREE	AGREE	NA NOR DA	DISAGREE	STRONGLY DISAGREE
Sec A-Q3	16	30	6	4	2
Sec A-Q4	5	31	11	9	2
Sec B-Q2	3	29	21	5	0

Analysis

The responses are used to measure the effectiveness of teachers' pedagogical practices adopted for online teaching. The above data shows that the teaching-learning environment can be engaging with the participation of both students and teachers. It is reassuring to observe that most students find the classes interactive and engaging. The teachers have also performed reasonably well as far as use of digital aids for teaching especially as it is an unchartered domain for many teachers and it has been an ongoing learning process for all the teachers.
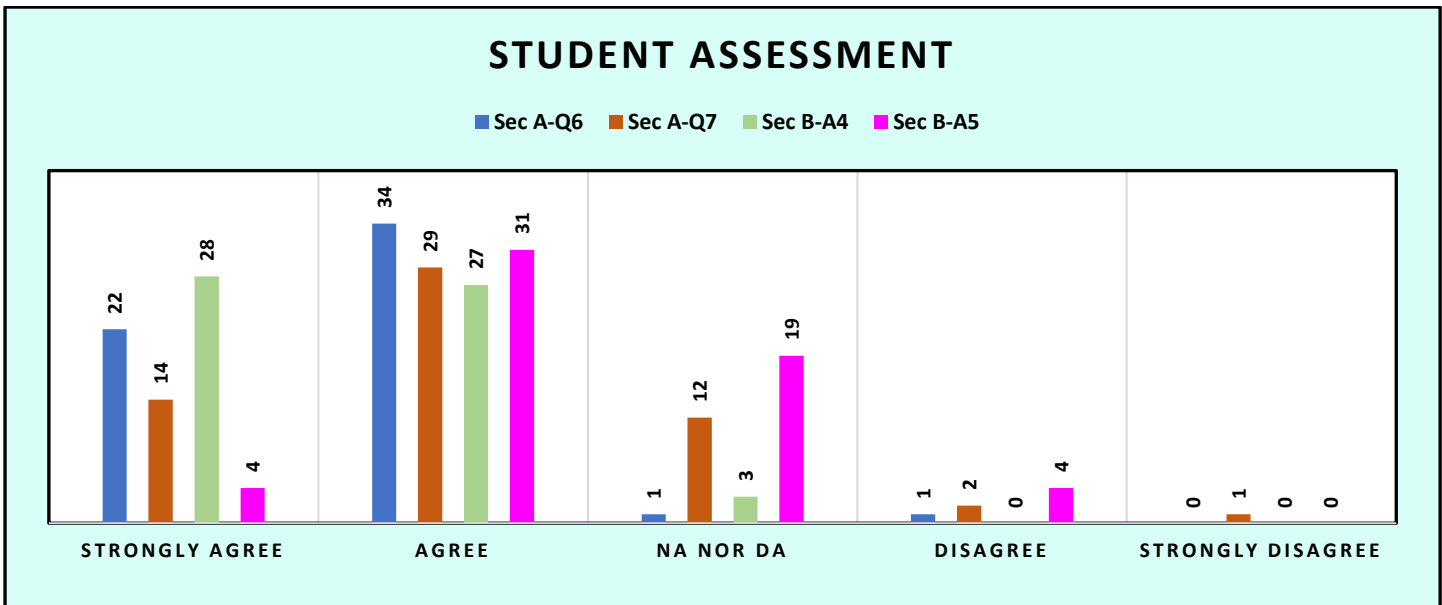
Student Assessment

Section A:
Q6 Periodic online assignments are conducted and evaluated as per schedule (56/59-Strongly Agree and Agree)
Q7-*Feedback is provided to students on their performance in the assignments* (43/59 Strongly Agree and Agree and 12 have chosen to neither agree nor disagree)

Section B:
Q4- *I complete and submit my online assignments as per schedule*(55/59-Strongly Agree and Agree)
Q5- *I ask for Feedback on my performance in assignments* (35/59-Strongly Agree and Agree and 19-have chosen to neither agree nor disagree)

STUDENT ASSESSMENT

■ Sec A-Q6 ■ Sec A-Q7 ■ Sec B-A4 ■ Sec B-A5

	STRONGLY AGREE	AGREE	NA NOR DA	DISAGREE	STRONGLY DISAGREE
Sec A-Q6	22	34	1	1	0
Sec A-Q7	14	29	12	2	1
Sec B-A4	28	27	3	0	0
Sec B-A5	4	31	19	4	0

Analysis

The above responses validate that the assessment process is conducted seriously by both teachers and students and feedback mechanism is adopted efficiently for all the students who are curious to improve and others are also provided inputs.

Support and guidance provided to students

Section A:
Q5 *The teacher pays attention to students facing difficulties or doubts in academics* **(55/59-Strongly Agree and Agree)**
Q8- *Teachers provide guidance on higher courses of study and future career prospectus* **(42/59-Strongly Agree and Agree and 8-have chosen to neither agree nor disagree and 5 disagree)**
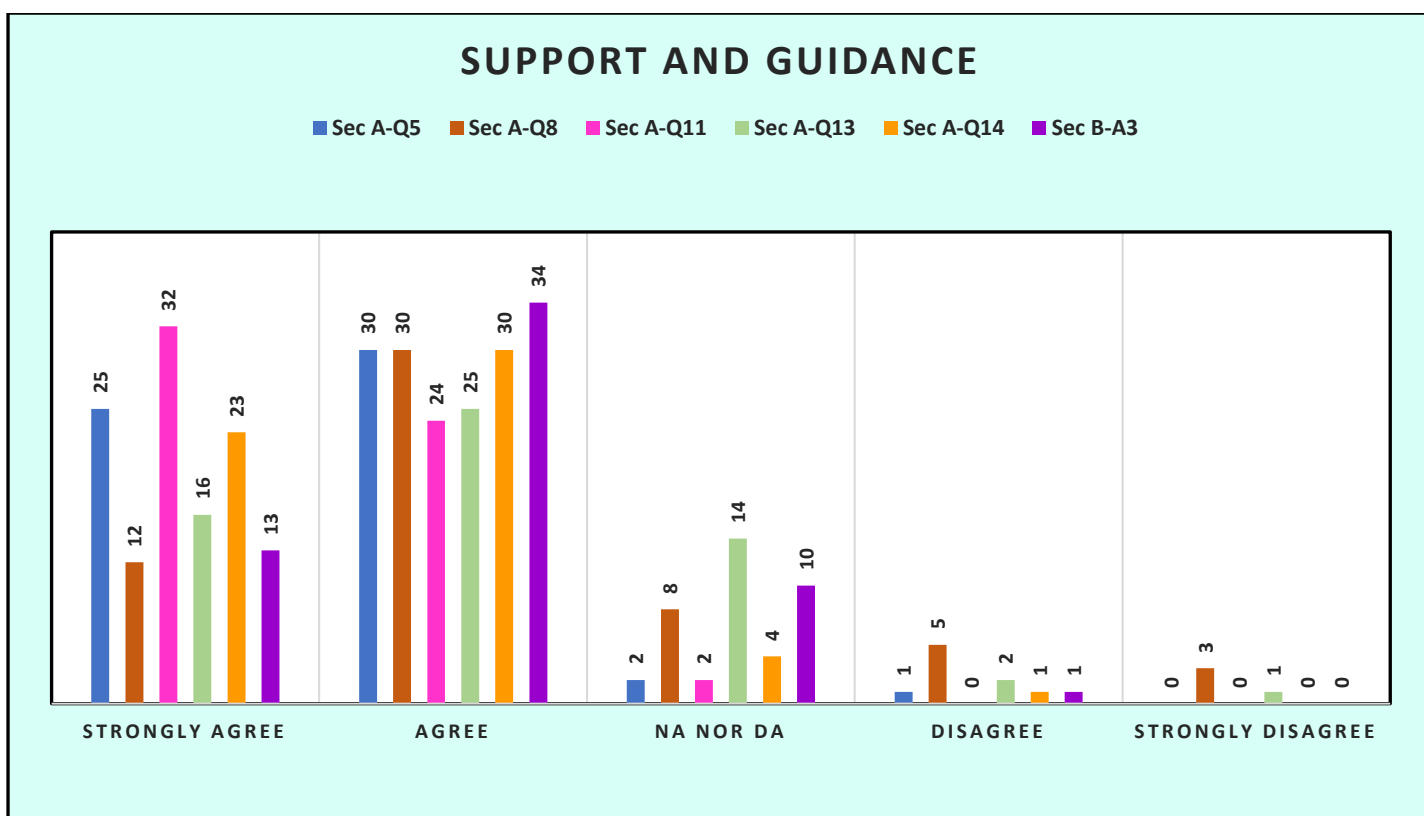**Q11-** *Teachers are accessible and available for support* **(56/59-Strongly Agree and Agree)**
Q13- *Grievances to college can be reported even in online mode* **(41/59-Strongly Agree and Agree and 14-have chosen to neither agree nor disagree)**
Q14- *College staff is helpful and accessible* **(53/59-Strongly Agree and Agree)**

Section B:
Q3- *I approach my teachers for support in case I am facing difficulties or doubts in academics or socio-emotional challenges* **(47/59-Strongly Agree and Agree and 10-have chosen to neither agree nor disagree)**

Analysis

The responses are testimony to the fact that students in mathematics department find their teachers most approachable, friendly and supportive. The college staff has also been quite helpful. The grievance reporting in the online mode may require more attention.

Opportunities provided-Academic and co-curricular

Section A:

Q9- *Association activities (e.g., online talks, seminars, academic meets) are interesting, participative and good learning forums for students* **(54/59-Strongly Agree and Agree)**
Q10- *Adequate opportunities for research are provided in the department* **(49/59-Strongly Agree and Agree and 6-have chosen to neither agree nor disagree)**
Q15 *College provides opportunities and platform for engagement with social issues* **(52/59-Strongly Agree and Agree and 3-have chosen to neither agree nor disagree)**
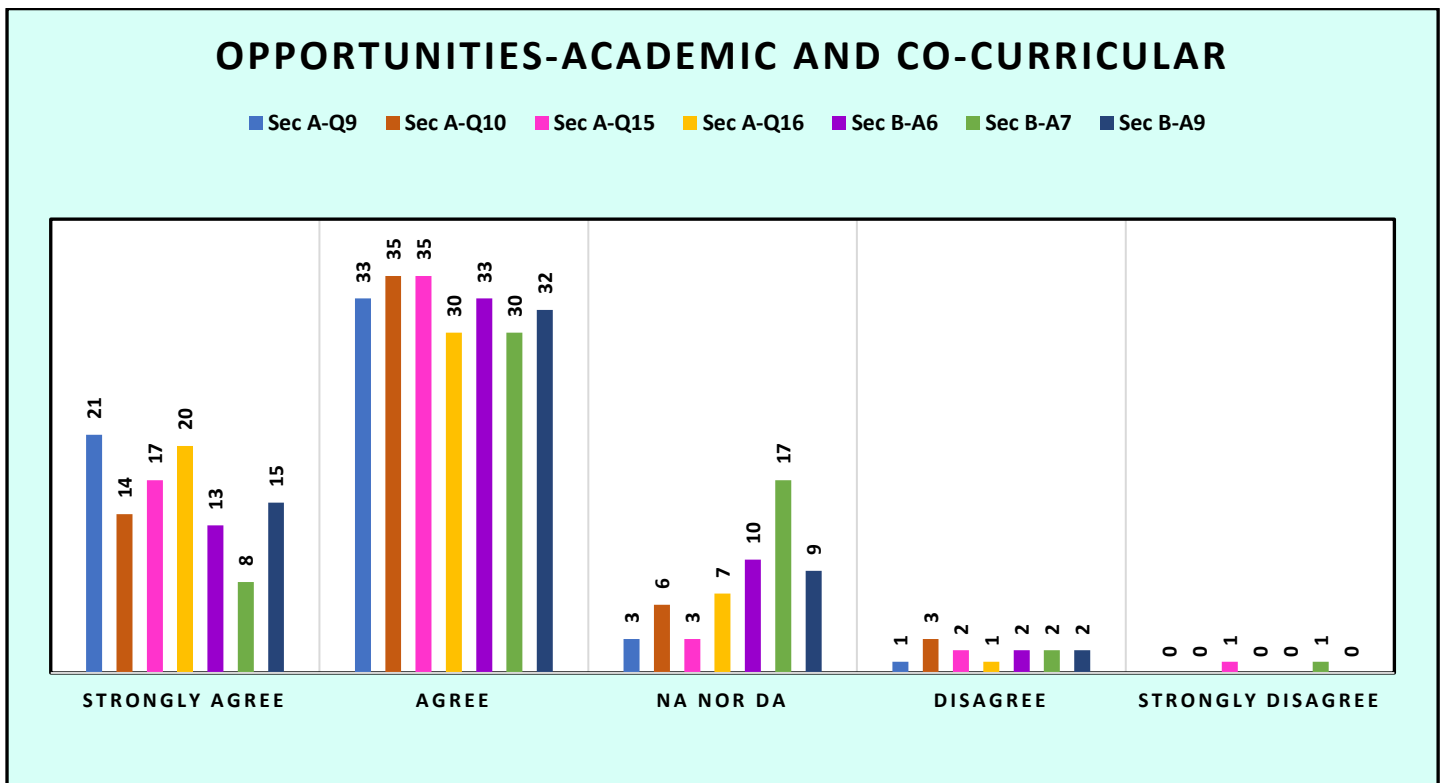**Q16-** *Student societies are participative, engaging and conduct events on a regular basis* **(50/59-Strongly Agree and Agree and 7-have chosen to neither agree nor disagree)**

Section B:

Q6- *I participate in Association activities (e.g., online talks, seminars, academic meets) regularly* **(46/59-Strongly Agree and Agree and 10-have chosen to neither agree nor disagree)**
Q7- *I make Adequate use of opportunities for research in the department* **(38/59-Strongly Agree and Agree and 17-have chosen to neither agree nor disagree)**
Q9- *I make use of the platforms College provides for engagement with social issues (e.g., NSS, VAPP, WDC, REACH, Dhyana etc)* **(47/59-Strongly Agree and Agree and 9-have chosen to neither agree nor disagree).**

OPPORTUNITIES-ACADEMIC AND CO-CURRICULAR

Legend: ■ Sec A-Q9 ■ Sec A-Q10 ■ Sec A-Q15 ■ Sec A-Q16 ■ Sec B-A6 ■ Sec B-A7 ■ Sec B-A9

	STRONGLY AGREE	AGREE	NA NOR DA	DISAGREE	STRONGLY DISAGREE
Sec A-Q9	21	33	3	1	0
Sec A-Q10	14	35	6	3	0
Sec A-Q15	17	35	3	2	1
Sec A-Q16	20	30	7	1	0
Sec B-A6	13	33	10	2	0
Sec B-A7	8	30	17	2	1
Sec B-A9	15	32	9	2	0

Analysis

In this case, the individual responses play a crucial role and we must not look at aggregated responses. The individual responses to Section A and Section B correlate strongly. Students who have been themselves engaged and motivated to use the opportunities provided have highly rated the efforts of the college and department in providing conducive environment for a holistic development. However, keeping in mind that it is difficult to motivate and keep the students engaged in an online mode, the student responses are quite encouraging.
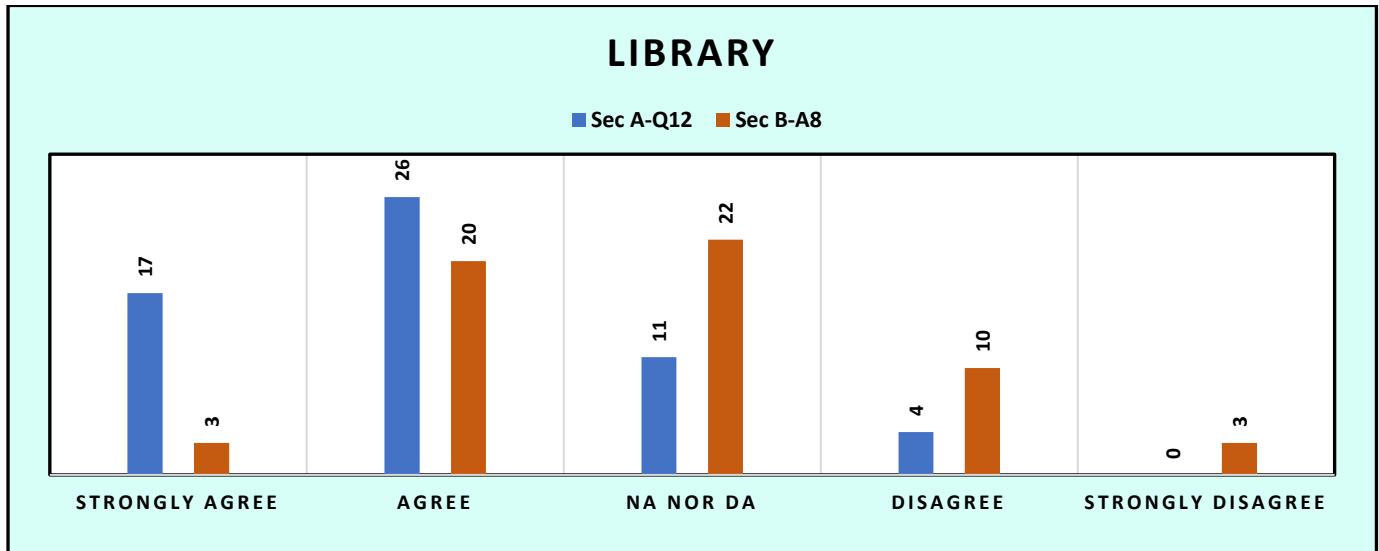
Library

Section A:

Q12-*College provides online access to library* **(43/59-Strongly Agree and Agree and 11-have chosen to neither agree nor disagree)**

Section B:

Q8-*I make use of my College library services* **(23/59-Strongly Agree and Agree and 22 have chosen to neither agree nor disagree and 10 disagree)**

LIBRARY

■ Sec A-Q12 ■ Sec B-A8

	STRONGLY AGREE	AGREE	NA NOR DA	DISAGREE	STRONGLY DISAGREE
Sec A-Q12	17	26	11	4	0
Sec B-A8	3	20	22	10	3

Analysis

It is clear that the library provides access to all the students whenever they need. However, since students were mostly provided soft copies of the books by the faculty in all three semesters, many students did not access extra material on their own.

Academic Year 2020-2021-Second Year (Semester III and IV)

The survey form conducted among students consists of two sections:

1. Student's Feedback Form for Online Classes which is basically student's assessment of
   (i) teachers' conduct and pedagogy and
   (ii) the opportunities and support provided by teachers and the college.
2. Self Reflective Form which includes questions for assessment of student's level of discipline and engagement.

In the academic year 2020-21 **there were 49 students in second year total out of which 39 students have responded**. The analyses of these are provided below:

Questions in Section A have a strong correlation with questions in Section B. Hence, the responses of the students for each section must be analysed in conjunction.
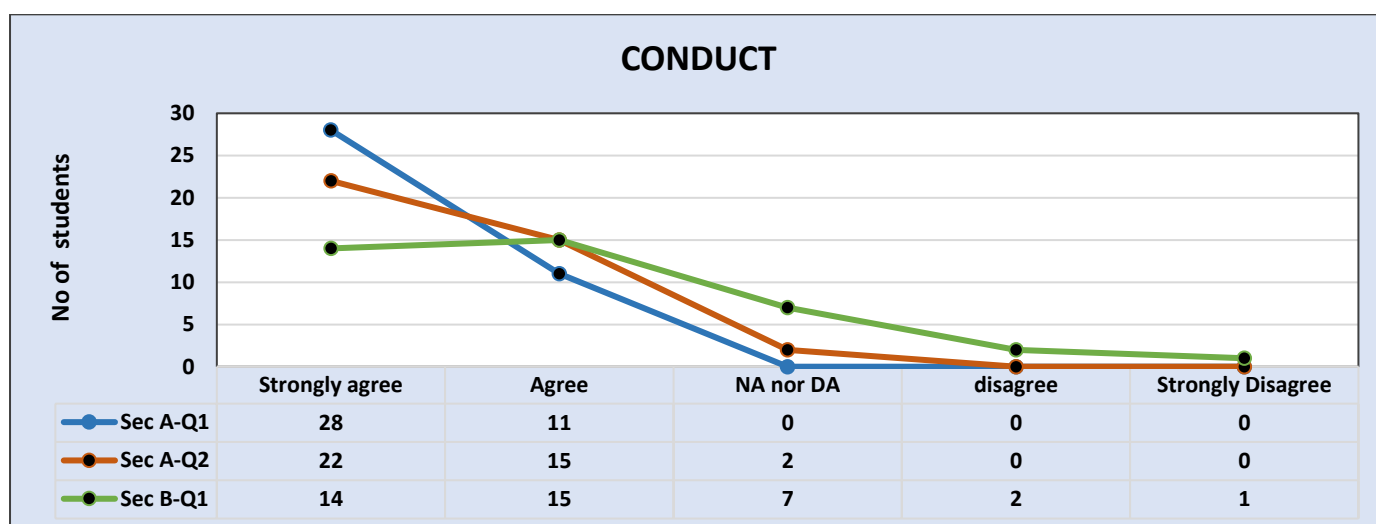
Conduct

Section A:

Q1 Faculty members are regular and punctual in taking online classes **(39/39-Strongly Agree and Agree).**
Q2- E-resources are provided and course is covered in time **(37/39- Strongly Agree and Agree) and**

Section B:
Q1 I am regular and punctual in attending my online classes **(29/39- Strongly Agree and Agree and Agree and 7 have chosen to neither agree nor disagree)**

CONDUCT

	Strongly agree	Agree	NA nor DA	disagree	Strongly Disagree
Sec A-Q1	28	11	0	0	0
Sec A-Q2	22	15	2	0	0
Sec B-Q1	14	15	7	2	1

Analysis

The above data shows that students are themselves quite disciplined and are fully satisfied with the teachers' conduct. It also shows that the teaching learning process has been conducted as per the expected disciplinary conduct.
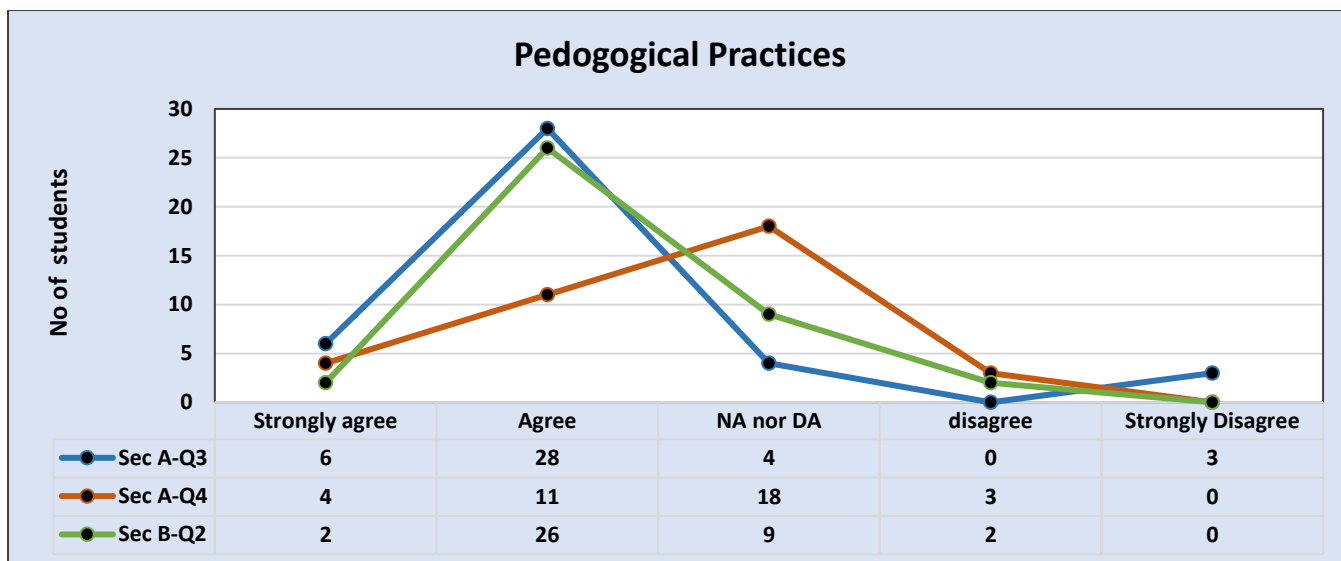
Pedagogical Practices

Section A:

Q3- The online classes are discussion based, interactive and engaging teaching **(34/39-Strongly Agree and Agree)**
Q4-The teachers use teaching aids such as PPTs, videos, pod-casts, Ted talks during online classes. **These measure the effectiveness of teachers's pedagogical practices adopted for online teaching (18/39-Strongly Agree and Agree and 15-have chosen to neither agree nor disagree))**

Section B:

Q2 I participate in class discussions and help my teacher in making the classes interesting **(28/39-Strongly Agree and Agree and 9-have chosen to neither agree nor disagree but no one strongly disagrees)**

Pedogogical Practices

	Strongly agree	Agree	NA nor DA	disagree	Strongly Disagree
Sec A-Q3	6	28	4	0	3
Sec A-Q4	4	11	18	3	0
Sec B-Q2	2	26	9	2	0

Analysis

The responses are used to measure the effectiveness of teachers' pedagogical practices adopted for online teaching. The above data shows that the teaching-learning environment can be engaging with the participation of both students and teachers and it is reassuring to observe that the responses show the classes have been quite engaging. The teachers have also performed reasonably well as far as use of digital aids for teaching especially as it is an unchartered domain for many teachers.
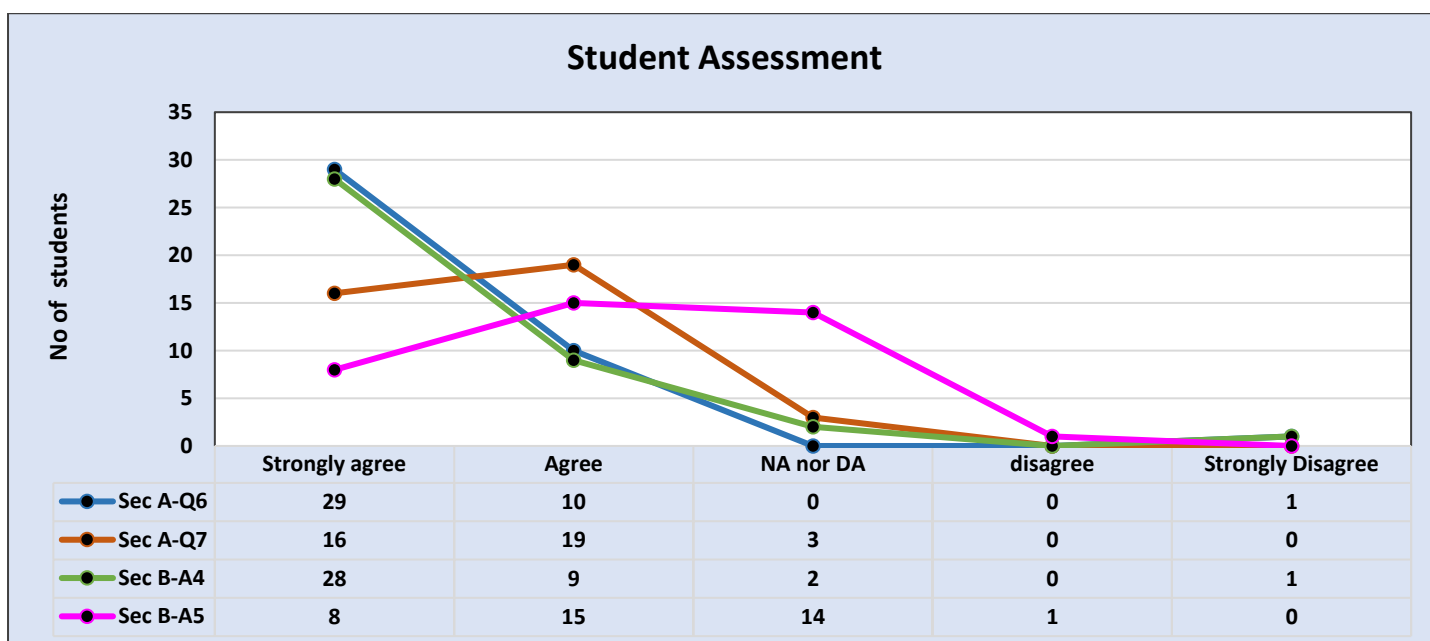
Student Assessment

Section A:

Q6 Periodic online assignments are conducted and evaluated as per schedule **(39/39-Strongly Agree and Agree)**
Q7-*Feedback is provided to students on their performance in the assignments* (35/39 Strongly Agree and Agree)

Section B:

Q4- *I complete and submit my online assignments as per schedule*(27/27-Strongly Agree and Agree)
Q5- *I ask for Feedback on my performance in assignments* (23/39-Strongly Agree and Agree and 14-have chosen to neither agree nor disagree)

Student Assessment

	Strongly agree	Agree	NA nor DA	disagree	Strongly Disagree
Sec A-Q6	29	10	0	0	1
Sec A-Q7	16	19	3	0	0
Sec B-A4	28	9	2	0	1
Sec B-A5	8	15	14	1	0

Analysis

The above responses validate that the assessment process is conducted seriously by both teachers and students and feedback mechanism is adopted efficiently for all the students who are curious to improve and others are also provided inputs.

Support and guidance provided to students

Section A:
Q5 *The teacher pays attention to students facing difficulties or doubts in academics* **(38/39-Strongly Agree and Agree)**
 Q8- *Teachers provide guidance on higher courses of study and future career prospectus* **(28/39-Strongly Agree and Agree and 9-have chosen to neither agree nor disagree)**
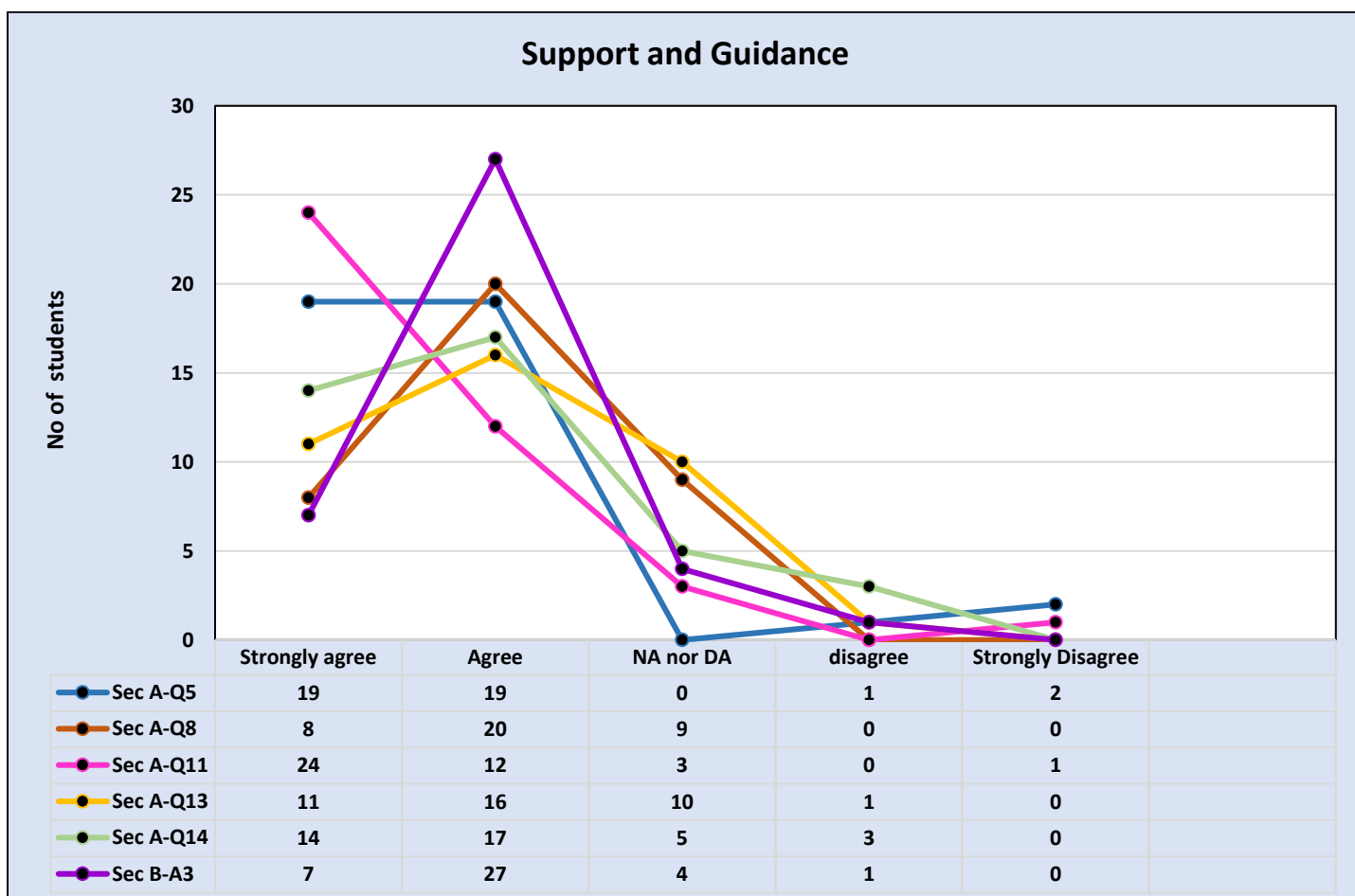**Q11-** *Teachers are accessible and available for support* **(36/39-Strongly Agree and Agree)**
Q13-*Grievances to college can be reported even in online mode***(27/39-Strongly Agree and Agree and 10-have chosen to neither agree nor disagree)**
Q14-*College staff is helpful and accessible* **(31/39-Strongly Agree and Agree)**

Section B:
Q3- *I approach my teachers for support in case I am facing difficulties or doubts in academics or socio-emotional challenges* **(34/39-Strongly Agree and Agree)**

Support and Guidance

	Strongly agree	Agree	NA nor DA	disagree	Strongly Disagree
Sec A-Q5	19	19	0	1	2
Sec A-Q8	8	20	9	0	0
Sec A-Q11	24	12	3	0	1
Sec A-Q13	11	16	10	1	0
Sec A-Q14	14	17	5	3	0
Sec B-A3	7	27	4	1	0

Analysis

The responses are testimony to the fact that students in mathematics department find their teachers most approachable, friendly and supportive. The college staff has also been quite helpful. The grievance reporting in the online mode may require more attention.

Opportunities provided-Academic and co-curricular

Section A:

Q9- *Association activities (e.g., online talks, seminars, academic meets) are interesting, participative and good learning forums for students* (34/39-Strongly Agree and Agree and 3-have chosen to neither agree nor disagree)

Q10- *Adequate opportunities for research are provided in the department* (30/39-Strongly Agree and Agree and 7-have chosen to neither agree nor disagree)

Q15 *College provides opportunities and platform for engagement with social issues* (27/39-Strongly Agree and Agree and 8-have chosen to neither agree nor disagree)

Q16- *Student societies are participative, engaging and conduct events on a regular basis* (32/39-Strongly Agree and Agree and 6-have chosen to neither agree nor disagree)
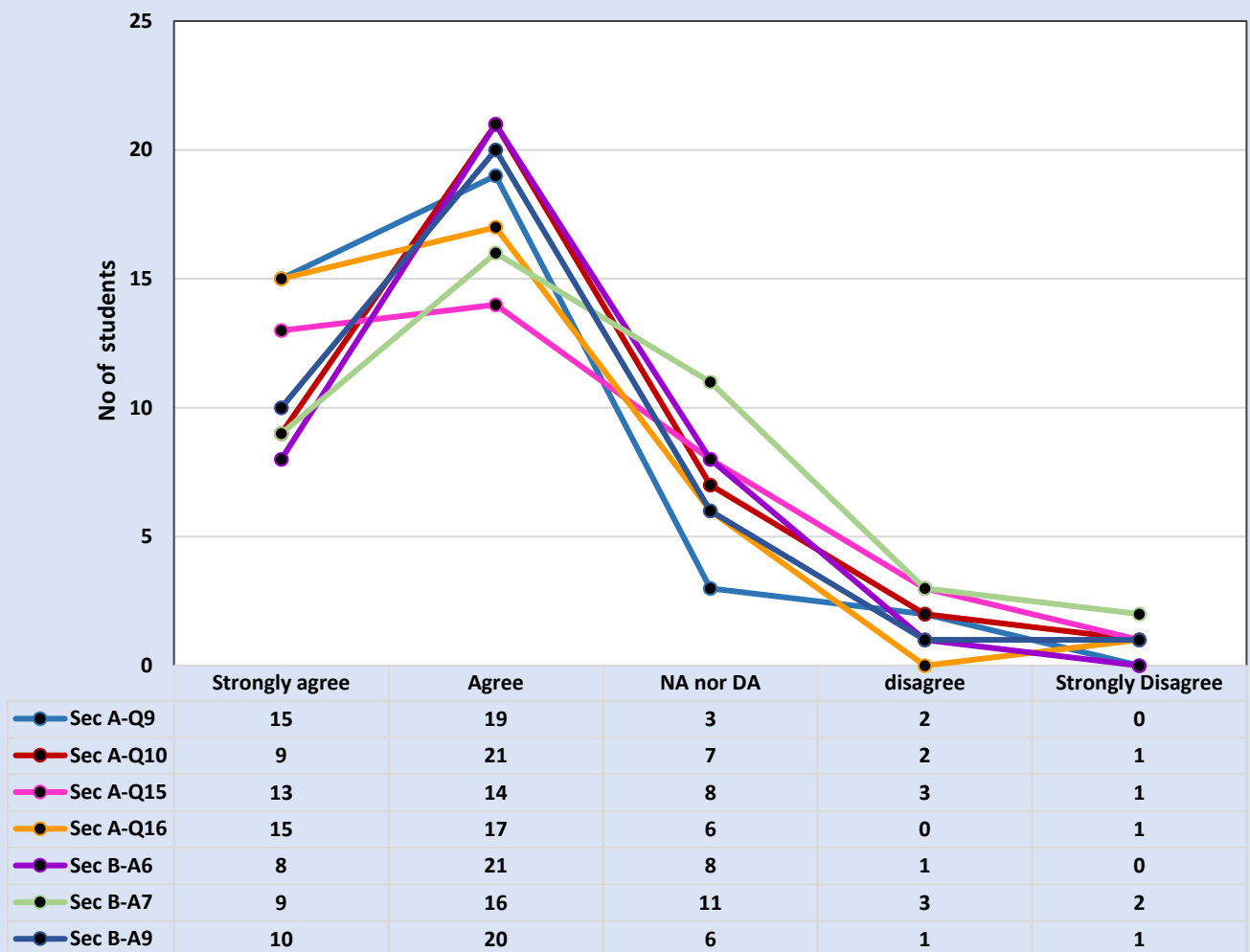
Section B:

Q6- *I participate in Association activities (e.g., online talks, seminars, academic meets) regularly* (29/39-Strongly Agree and Agree and 8-have chosen to neither agree nor disagree)

Q7- *I make Adequate use of opportunities for research in the department* (25/39-Strongly Agree and Agree and 11-have chosen to neither agree nor disagree)

Q9- *I make use of the platforms College provides for engagement with social issues (e.g., NSS, VAPP, WDC, REACH, Dhyana etc)* (30/39-Strongly Agree and Agree and 6-have chosen to neither agree nor disagree).

Opportunties Provided-Academic and Co-curricular activities

	Strongly agree	Agree	NA nor DA	disagree	Strongly Disagree
Sec A-Q9	15	19	3	2	0
Sec A-Q10	9	21	7	2	1
Sec A-Q15	13	14	8	3	1
Sec A-Q16	15	17	6	0	1
Sec B-A6	8	21	8	1	0
Sec B-A7	9	16	11	3	2
Sec B-A9	10	20	6	1	1

Analysis

In this case, the individual responses play a crucial role and we must not look at aggregated responses. The individual responses to Section A and Section B correlate strongly. Students who have been themselves engaged and motivated to use the opportunities provided have highly rated the efforts of the college and department in providing conducive environment for a holistic development. However, keeping in mind that it is difficult to motivate and keep the students engaged in an online mode, the student responses are quite encouraging.
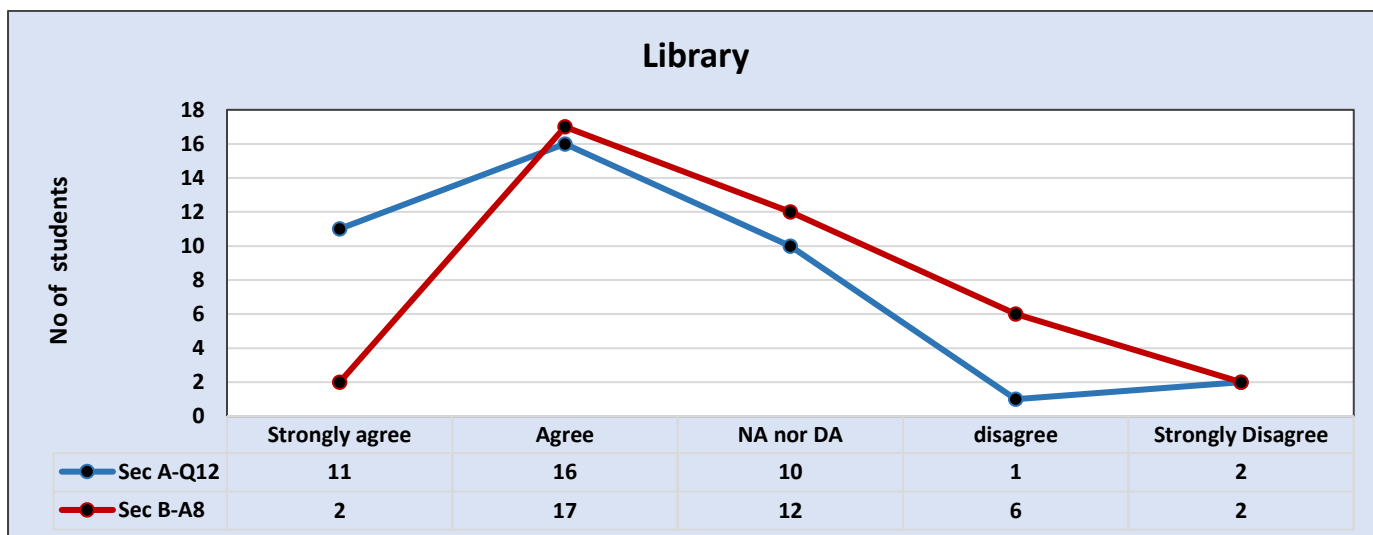
Library

Section A:
Q12-*College provides online access to library* (27/39-Strongly Agree and Agree and 10-have chosen to neither agree nor disagree)

Section B:
Q8-*I make use of my College library services* (19/39-Strongly Agree and Agree and 12-have chosen to neither agree nor disagree)

	Strongly agree	Agree	NA nor DA	disagree	Strongly Disagree
Sec A-Q12	11	16	10	1	2
Sec B-A8	2	17	12	6	2

Analysis

It is clear that the library provides access to all the students whenever they need.

Academic Year 2020-2021-Third Year (Semester V and VI)

The survey form conducted among students consists of two sections:

1. Student's Feedback Form for Online Classes which is basically student's assessment of
   (i)   teachers' conduct and pedagogy and
   (ii)   the opportunities and support provided by teachers and the college.
2. Self Reflective Form which includes questions for assessment of student's level of discipline and engagement.

In the academic year 2020-21 **there were 28 students in third year total out of which 27 students have responded**. The analyses of these are provided below:

Questions in Section A have a strong correlation with questions in Section B. Hence, the responses of the students for each section must be analysed in conjunction.
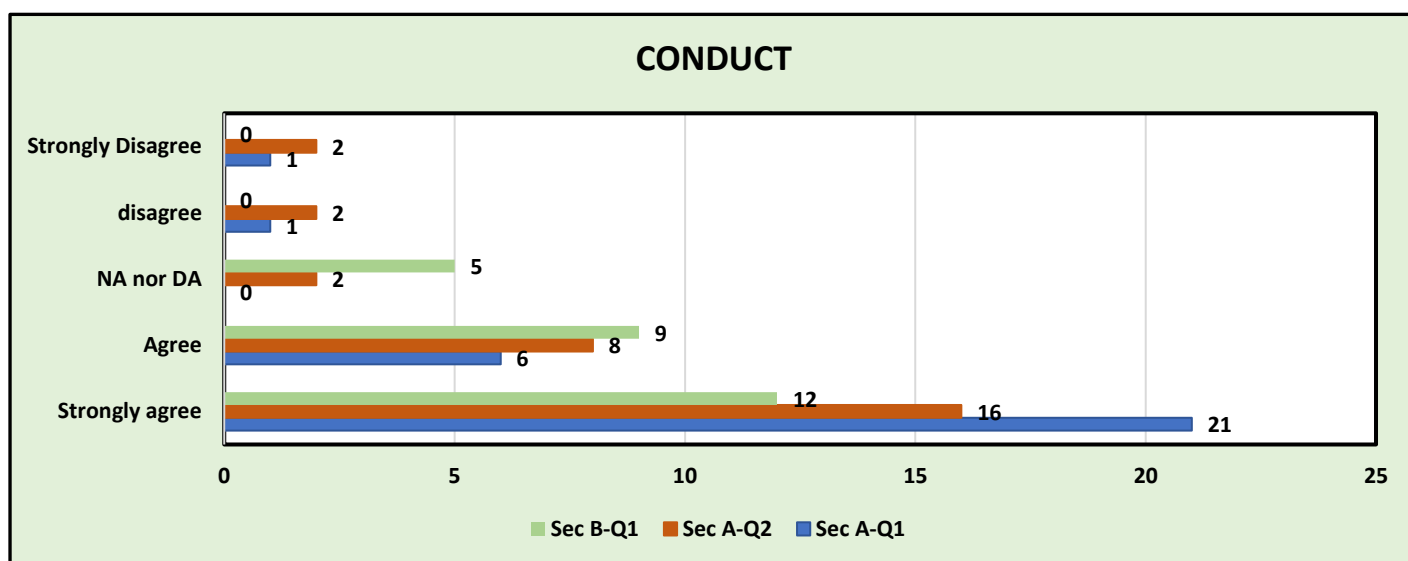
Conduct

Section A:

Q1 Faculty members are regular and punctual in taking online classes **(27/27-Strongly Agree and Agree).**
Q2- E-resources are provided and course is covered in time **(24/27- Strongly Agree and Agree) and**

Section B:
Q1 I am regular and punctual in attending my online classes **(21/27- Strongly Agree and Agree)**

CONDUCT

	Sec B-Q1	Sec A-Q2	Sec A-Q1
Strongly Disagree	0	2	1
disagree	0	2	1
NA nor DA	5	2	0
Agree	9	8	6
Strongly agree	12	16	21

Analysis

The above data shows that students are themselves quite disciplined and are fully satisfied with the teachers' conduct. It also shows that the teaching learning process has been conducted as per the expected disciplinary conduct.
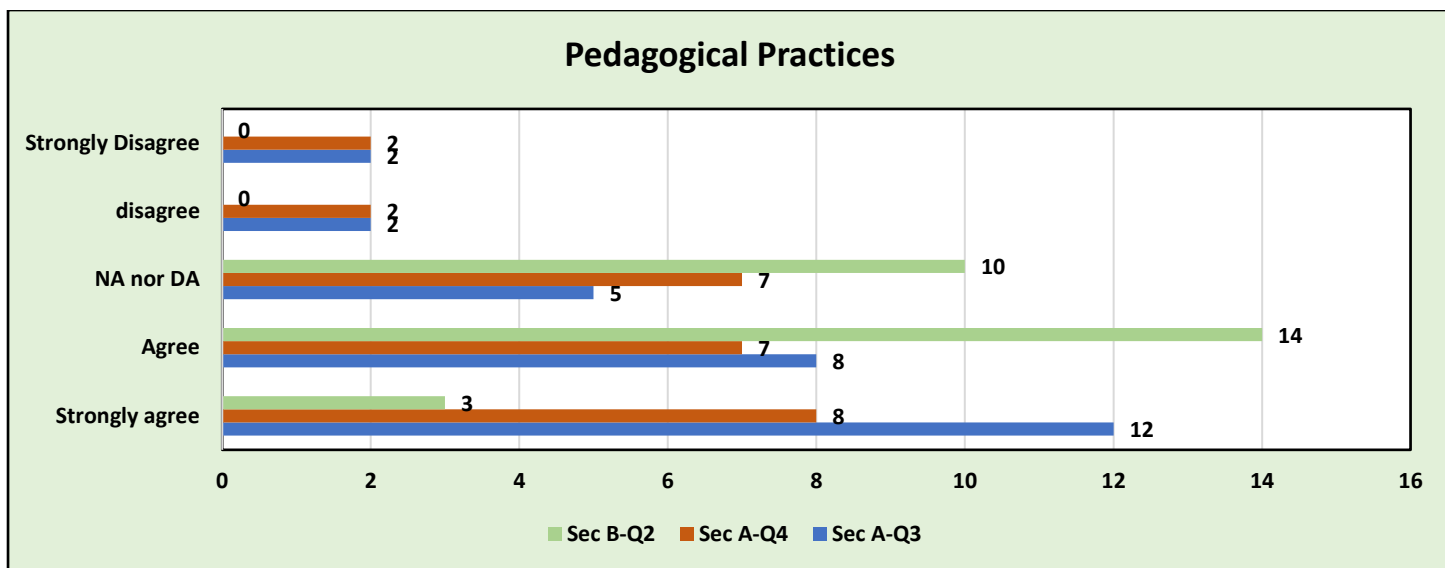
Pedagogical Practices

Section A:

Q3- The online classes are discussion based, interactive and engaging teaching **(20/27-Strongly Agree and Agree)**
Q4-The teachers use teaching aids such as PPTs, videos, pod-casts, Ted talks during online classes. **These measure the effectiveness of teachers's pedagogical practices adopted for online teaching (15-Strongly Agree and Agree and 7-have chosen to neither agree nor disagree) and**

Section B:

Q2 I participate in class discussions and help my teacher in making the classes interesting **(17/27-Strongly Agree and Agree and 10-have chosen to neither agree nor disagree but no one strongly disagrees)**

Pedagogical Practices

Response	Sec B-Q2	Sec A-Q4	Sec A-Q3
Strongly Disagree	0	2	2
disagree	0	2	2
NA nor DA	10	7	5
Agree	14	7	8
Strongly agree	3	8	12

Analysis

The responses are used to measure the effectiveness of teachers' pedagogical practices adopted for online teaching. The above data shows that the teaching-learning environment can be engaging with the participation of both students and teachers and it is reassuring to observe that the responses show the classes have been quite engaging. The teachers have also performed reasonably well as far as use of digital aids for teaching especially as it is an unchartered domain for many teachers.
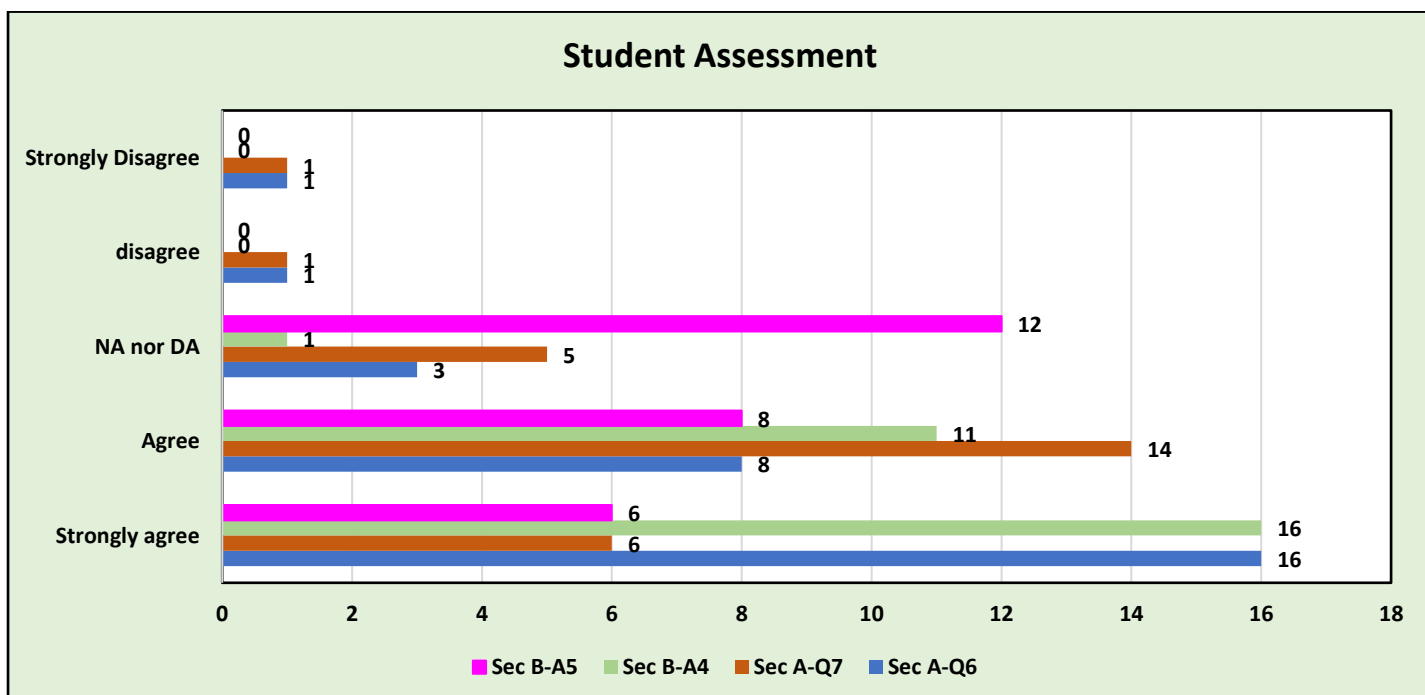
Student Assessment

Section A:

Q6 Periodic online assignments are conducted and evaluated as per schedule **(24/27-Strongly Agree and Agree)**
Q7-*Feedback is provided to students on their performance in the assignments* **(20/27 Strongly Agree and Agree)**

Section B:

*Q4- I complete and submit my online assignments as per schedule***(27/27-Strongly Agree and Agree)**
Q5- I ask for Feedback on my performance in assignments **(14/27-Strongly Agree and Agree and 12-have chosen to neither agree nor disagree)**

Student Assessment

Response	Sec B-A5	Sec B-A4	Sec A-Q7	Sec A-Q6
Strongly Disagree	0	0	0	1
disagree	0	0	1	1
NA nor DA	12	1	5	3
Agree	8	11	14	8
Strongly agree	6	16	6	16

Analysis

The above responses validate that the assessment process is conducted seriously by both teachers and students and feedback mechanism is adopted efficiently for all the students who are curious to improve and others are also provided inputs.

Support and guidance provided to students

Section A:

Q5 *The teacher pays attention to students facing difficulties or doubts in academics* **(24/27-Strongly Agree and Agree)**

Q8- *Teachers provide guidance on higher courses of study and future career prospectus***(19/27-Strongly Agree and Agree and 6-have chosen to neither agree nor disagree)**
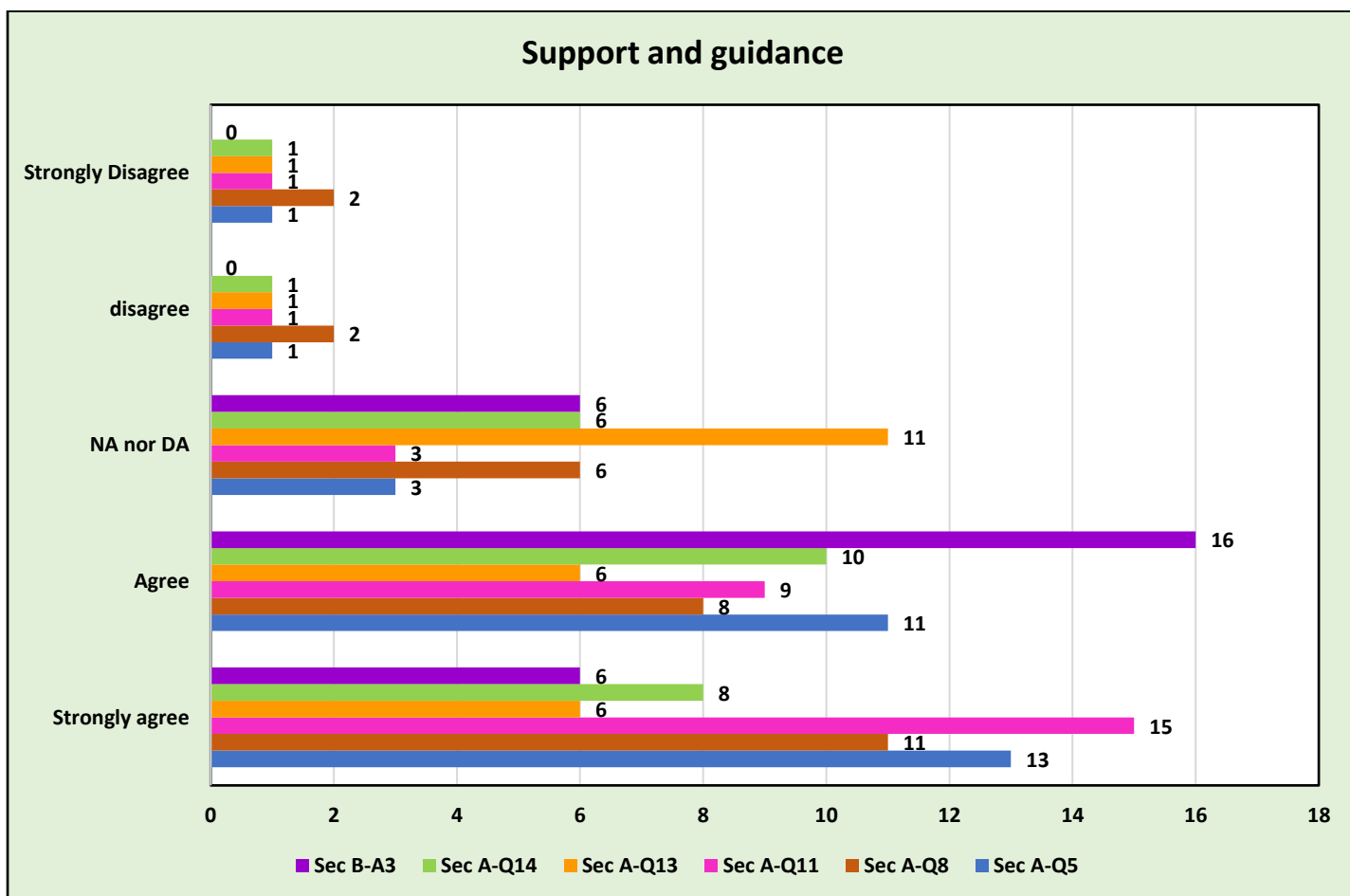
Q11- *Teachers are accessible and available for support* **(23/27-Strongly Agree and Agree)**

Q13-*Grievances to college can be reported even in online mode***(12/27-Strongly Agree and Agree and 11-have chosen to neither agree nor disagree)**

Q14-*College staff is helpful and accessible* **(18/27-Strongly Agree and Agree and 6-have chosen to neither agree nor disagree)**

Section B:

Q3- *I approach my teachers for support in case I am facing difficulties or doubts in academics or socio-emotional challenges* **(22/27-Strongly Agree and Agree and 6-have chosen to neither agree nor disagree Total 28 i.e no one strongly disagrees)**

Analysis

The responses are testimony to the fact that students in mathematics department find their teachers most approachable, friendly and supportive. The college staff has also been quite helpful. The grievance reporting in the online mode may require more attention.

Opportunities provided-Academic and co-curricular

Section A:
Q9- *Association activities (e.g., online talks, seminars, academic meets) are interesting, participative and good learning forums for students* **(23/27-Strongly Agree and Agree)**
Q10- *Adequate opportunities for research are provided in the department* **(18/27-Strongly Agree and Agree and 6-have chosen to neither agree nor disagree)**
Q15 *College provides opportunities and platform for engagement with social issues* **(18/27-Strongly Agree and Agree and 7-have chosen to neither agree nor disagree)**
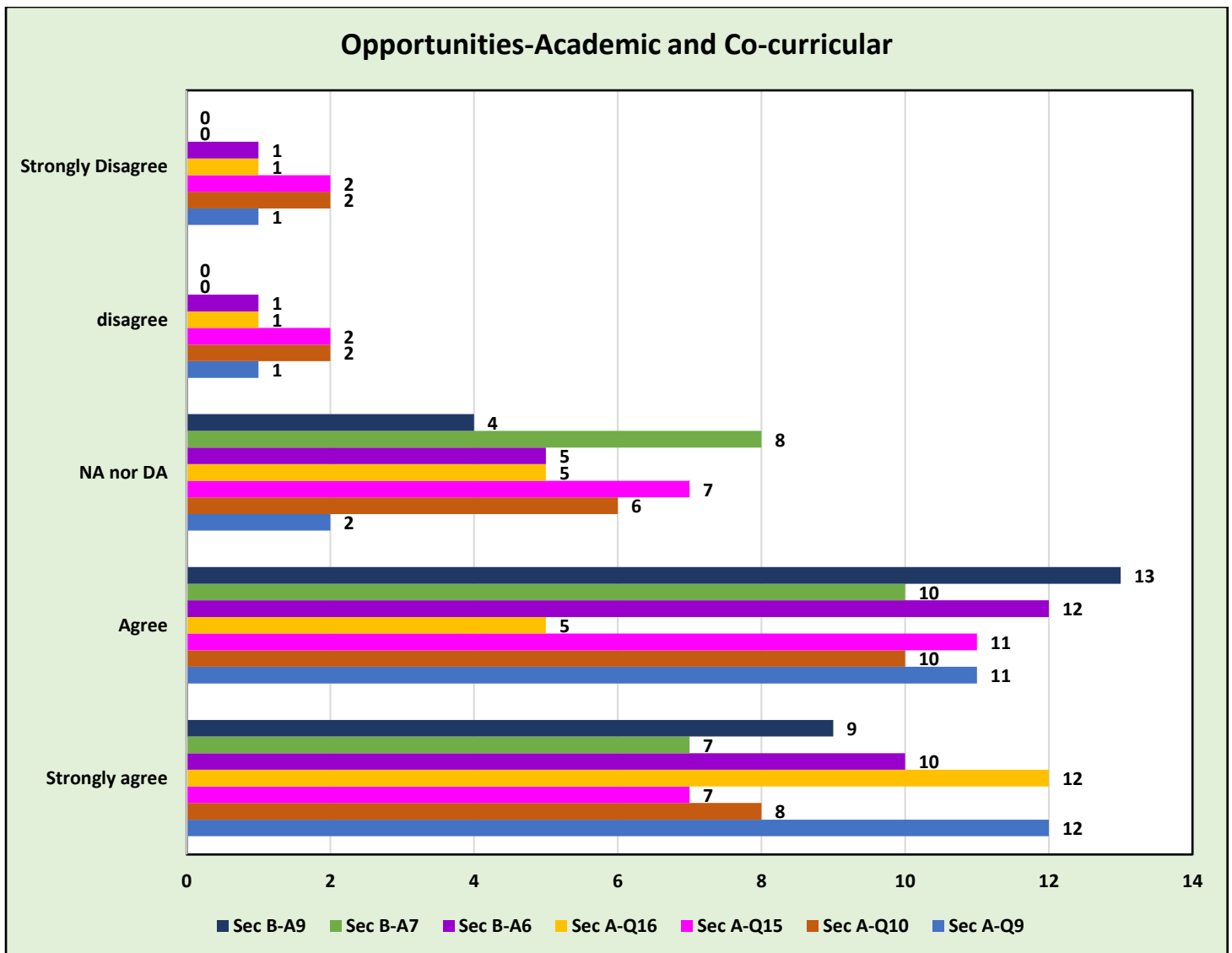**Q16-** *Student societies are participative, engaging and conduct events on a regular basis* **(17/27-Strongly Agree and Agree and 5-have chosen to neither agree nor disagree)**

Section B:
Q6- *I participate in Association activities (e.g., online talks, seminars, academic meets) regularly***(22/27-Strongly Agree and Agree and 5-have chosen to neither agree nor disagree)**
Q7- *I make Adequate use of opportunities for research in the department* **(17/27-Strongly Agree and Agree and 8-have chosen to neither agree nor disagree)**
Q9- *I make use of the platforms College provides for engagement with social issues (e.g., NSS, VAPP, WDC, REACH, Dhyana etc)* **(22/27-Strongly Agree and Agree and 4-have chosen to neither agree nor disagree).**

Opportunities-Academic and Co-curricular

Analysis
In this case, the individual responses play a crucial role and we must not look at aggregated responses. The individual responses to Section A and Section B correlate strongly. Students who have been themselves engaged and motivated to use the opportunities provided have highly rated the efforts of the college and department in providing conducive environment for a holistic development. However, keeping in mind that it is difficult to motivate and keep the students engaged in an online mode, the student responses are quite encouraging.
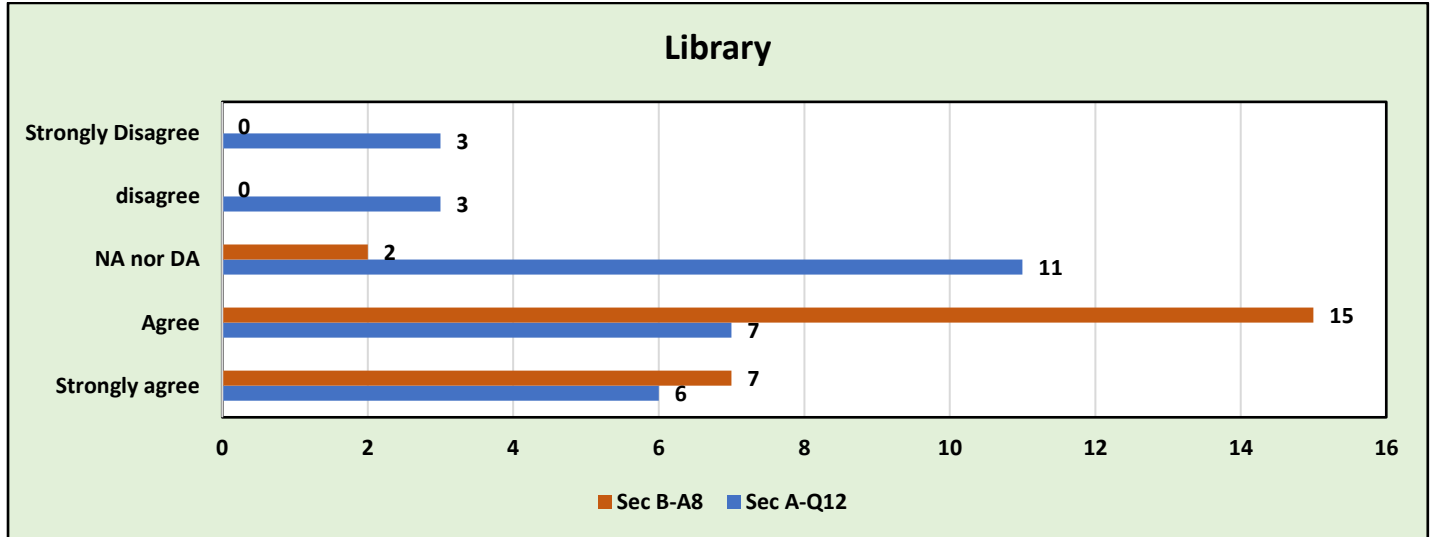
Library

Section A:

Q12-College provides online access to library **(13/27-Strongly Agree and Agree and 11-have chosen to neither agree nor disagree)**

Section B:

Q8-I make use of my College library services **(22/27-Strongly Agree and Agree)**

Analysis

It is clear that the library provides access to all the students whenever they need.