



Vidya Bharati Shaikshanik Mandal, Amravati's

# **Vidya Bharati Mahavidyalaya, Amravati**

**Affiliated to Sant Gadge Baba Amravati University, Amravati  
Maharashtra**

NAAC Re-accredited with Grade "A" (CGPA 3.23 – Third Cycle)  
CPE Status (Third Time) by UGC,  
Mentor College under Paramarsh Scheme by UGC  
'Lead College' by S.G.B. Amravati University, Amravati  
ISO Certification 9001:2015 and 14001:2015

Website: [vbmv.org](http://vbmv.org)

**Attainment of  
PO, PSO and CO**

## 2.6.2 Attainment of PO, PSO and CO

### Program Outcome Attainment 2020-21

#### Introduction:

Program Outcomes (PO) of various programs offered by the college are measured on the basis of performance of the learners in different curricular and co-curricular activities. Depending on the nature of the programme, the college uses a variety of methods to measure the attainment level of Program Outcomes of the learners. Some of these methods have been listed below:

1. Continuous monitoring of students while doing regular practicals and handling different instruments to evaluate modern tool usage.
2. Use of continuous internal evaluation through unit tests, assignments, seminars, and other participative learning methods to evaluate subject knowledge.
3. Participation of learners in different elocution, debate, seminar and sports competitions to assess individual and team work.
4. Use of question-answer methodology to check communication skills and critical thinking of learners.
5. Project based work in PG classes to evaluate the efficiency to conduct investigations of complex problems and design/development of solutions.
6. Participation of students in different activities like *Yuva Mahotsav*, Trade Fair, college annual gathering to assess individual and team work, finance management skills, social interaction and effective citizenship.
7. Students' involvement in different activities like tree-plantation, rain water harvesting, NSS, etc. to evaluate his/her responsibilities toward environment protection and sustainability.
8. Effective use of ICT techniques by the learners to acquire modern tool usage and employability skills.
9. Learner's involvement in group discussions, field visits and study tours are used to assess social interaction and effective communication as well as effective citizenship and social and professional ethics in a student.

Beside this, learners are evaluated constantly based on their regularity, their responsiveness, participation in class discussions, and participation in co-curricular activities and the overall quality of their conduct. In addition to above parameters the scale used to analyze the attainment of Program outcomes is as under:

**Attainment Level 1:** 0-25% Students successfully completed the respective course at final year.

**Attainment Level 2:** 26-49% Students successfully completed the respective course at final year.

**Attainment Level 3:** 50-74% Students successfully completed the respective course at final year.

**Attainment Level 3:** 75-100% Students successfully completed the respective course at final year. Based on the above parameters the attainment level of Program Specific outcomes of the program offered by the college is as under:

<b>Sr. No</b>	<b>Program Name</b>	<b>Number of students appeared in the final year examination</b>	<b>Number of students passed in final year examination</b>	<b>Percentage of Result</b>	<b>Attainment Level</b>
1	B.A.-III	96	93	96.88	4
2	B.Com.-III	116	114	98.28	4
3	B.Com.-III (A&F)	60	58	96.67	4
4	B.Sc.-III	335	334	99.70	4
5	B.Voc. III Cosmetic	16	16	100.00	4
6	BBA-III	100	99	99.00	4
7	BCA-III	124	124	100.00	4
8	B.Tech.-IV	69	69	100.00	4
9	B.L.I.Sc.-II	9	9	100.00	4
10	M.A. II English	15	15	100.00	4
11	M.Com.-II	48	48	100.00	4
12	M.Sc. II Maths	70	70	100.00	4
13	M.Sc.-Bot-II	34	34	100.00	4
14	M.Sc.-Chem-II	36	36	100.00	4
15	M.Sc.-II Comp Sci	34	34	100.00	4
16	M.Sc.-Phy-II	32	32	100.00	4
17	M.Sc.-Zoo-II	35	35	100.00	4
18	MBA-II	77	76	98.70	4
19	MCA-III	63	63	100.00	4
20	MCM-II	24	24	100.00	4
21	MHRD-II	18	17	94.44	4
22	MTECH-II	23	23	100.00	4

## Program Specific Outcome Attainment

2020-21

### Introduction:

Program Specific Outcomes (PSO) of various programs offered by the college are measured on the basis of performance of the learners in different curricular and co-curricular activities. Depending on the nature of the programme, the college uses a variety of methods to measure the attainment level of Program Specific Outcomes of the learners. Some of these methods have been listed below:

1. Continuous monitoring of students while doing regular practicals and handling different instruments to evaluate modern tool usage.
2. Use of continuous internal evaluation through unit tests, assignments, seminars, and other participative learning methods to evaluate subject knowledge.
3. Participation of learners in different elocution, debate, seminar and sports competitions to assess individual and team work.
4. Use of question-answer methodology to check communication skills and critical thinking of learners.
5. Project based work in PG classes to evaluate the efficiency to conduct investigations of complex problems and design/development of solutions.
6. Participation of students in different activities like *Yuva Mahotsav*, Trade Fair, college annual gathering to assess individual and team work, finance management skills, social interaction and effective citizenship.
7. Students' involvement in different activities like tree-plantation, rain water harvesting, NSS, etc. to evaluate his/her responsibilities toward environment protection and sustainability.
8. Effective use of ICT techniques by the learners to acquire modern tool usage and employability skills.
9. Learner's involvement in group discussions, field visits and study tours are used to assess social interaction and effective communication as well as effective citizenship and social and professional ethics in a student.

Beside this, learners are evaluated constantly based on their regularity, their responsiveness, participation in class discussions, and participation in co-curricular activities and the overall quality of their conduct. In addition to above parameters, the scale used to analyze the attainment of Program Specific outcomes is as under:

### Parameter-I:

**Attainment Level 1:** 0-25% Learners succeeded in the year end examination.

**Attainment Level 2:** 26-49% Learners succeeded in the year end examination.

**Attainment Level 3:** 50-74% Learners succeeded in the year end examination.

**Attainment Level 4:** 75-100% Learners succeeded in the year end examination.

**Parameter-II:**

**Attainment Level 1:** 0-25% Learners succeeded in the year end examination with distinction.

**Attainment Level 2:** 26-49% Learners succeeded in the year end examination with distinction.

**Attainment Level 3:** 50-74% Learners succeeded in the year end examination with distinction.

**Attainment Level 4:** 75-100% Learners succeeded in the year end examination with distinction.

**Parameter-III:**

**Attainment Level 1:** 0-25% Learners succeeded in the year end examination with first class.

**Attainment Level 2:** 26-49% Learners succeeded in the year end examination with first class.

**Attainment Level 3:** 50-74% Learners succeeded in the year end examination with first class.

**Attainment Level 4:** 75-100% Learners succeeded in the year end examination with first class.

**Parameter-IV:**

**Attainment Level 4:** 0-25% Learners succeeded in the year end examination with second class or below.

**Attainment Level 3:** 26-49% Learners succeeded in the year end examination with second class or below.

**Attainment Level 2:** 50-74% Learners succeeded in the year end examination with second class or below.

**Attainment Level 1:** 75-100% Learners succeeded in the year end examination with second class or below.

**Parameter-V:**

**Attainment Level 4:** 0-25% Learners succeeded in the year end examination below second class.

**Attainment Level 3:** 26-49% Learners succeeded in the year end examination below second class.

**Attainment Level 2:** 50-74% Learners succeeded in the year end examination below second class.

**Attainment Level 1:** 75-100% Learners succeeded in the year end examination below second class.

Based on the above parameters the attainment level of Program Specific outcomes of the program offered by the college is as under:

S. N.	Class	Appeared for Exam.	Pass in Final Exam.	% of Result	Pass in First Class	Pass in second Class	Pass in third Class	Distinction	Distinction (%)	Pass in First Class (%)	Pass in second Class (%)	Pass below second class (%)	Criterion-II	Criterion-III	Criterion-IV	Criterion-V	Criterion-I	Cumulated Attainment Level (Average 14-18)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
2	B.Sc.Sem II	375	374	99.73	0	0	0	374	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
3	B.Sc.Sem IV	359	359	100.00	0	0	0	359	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
4	B.Sc.Sem VI	334	334	100.00	0	0	0	334	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
5	B.Com.Isem-II	121	121	100.00	0	0	0	121	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
6	B.Com.IISem IV	113	113	100.00	0	0	0	113	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
7	B.Com.III	115	115	100.00	0	0	0	115	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
8	B.Com I(A and F) Sem-II	112	112	100.00	0	0	0	112	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
9	B.Com I(A and F) Sem-IV	109	105	96.33	0	0	0	105	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
10	B.Com I(A and F) Sem-VI	60	60	100.00	0	0	0	60	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
11	B.A.I Sem II	123	123	100.00	10	0	0	113	91.87	8.13	0.00	0.00	4	1	4	4	4	3.4
12	B.A.II Sem IV	95	93	97.89	7	0	0	86	92.47	7.53	0.00	0.00	4	1	4	4	4	3.4
13	B.A.III	94	91	96.81	21	0	0	70	76.92	23.08	0.00	0.00	4	1	4	4	4	3.4
14	B.C.A.Sem II	146	146	100.00	0	0	0	146	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
15	B.C.A.Sem IV	132	132	100.00	0	0	0	132	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
16	B.C.A.SemVI	124	124	100.00	0	0	0	124	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
17	B.Tech. SemII	57	54	94.74	0	0	0	54	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
18	B.Tech. SemIV	97	97	100.00	0	0	0	97	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
19	B.Tech. semVI	91	91	100.00	0	0	0	91	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
20	B.Tech.semVIII	69	69	100.00	0	0	0	69	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
21	B.B.A.I sem II	150	149	99.33	1	0	0	148	99.33	0.67	0.00	0.00	4	1	4	4	4	3.4
22	B.B.A.II Sem IV	143	143	100.00	1	0	0	142	99.30	0.70	0.00	0.00	4	1	4	4	4	3.4
23	B.B.A.III	100	100	100.00	40	21	39	100	100.00	40.00	21.00	39.00	4	1	4	4	4	3.4
24	B.-Voc (Cosmetic Technology) Sem II	27	27	100.00	0	0	0	27	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4

25	B.-Voc (Cosmetic Technology) Sem IV	13	13	100.00	0	0	0	13	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
26	B.-Voc (Cosmetic Technology) Sem VI	35	35	100.00	0	0	0	35	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
27	M.B.A.SemII	67	67	100.00	0	0	0	67	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
28	M.B.A.SemIV	78	77	98.72	18	0	0	59	76.62	23.38	0.00	0.00	4	1	4	4	4	3.4
29	M.C.M.SemII	39	39	100.00	2	0	0	37	94.87	5.13	0.00	0.00	4	1	4	4	4	3.4
30	M.C.M.SemIV	27	27	100.00	5	0	0	22	81.48	18.52	0.00	0.00	4	1	4	4	4	3.4
31	MHRD.SemII	35	35	100.00	0	0	0	35	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
32	MHRD.Sem IV	17	17	100.00	7	0	0	10	58.82	41.18	0.00	0.00	3	1	4	4	4	3.2
33	M.SC. PHY II	41	41	100.00	0	0	0	41	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
34	M.SC. PHY IV	32	32	100.00	0	0	0	32	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
35	M.SC. Chem.sem II	42	42	100.00	0	0	0	42	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
36	M.SC. Chem. IV	42	42	100.00	0	0	0	42	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
37	M.SC. Bot. II	42	42	100.00	0	0	0	42	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
38	M.SC. Bot. IV	34	34	100.00	0	0	0	34	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
39	M.SC. Zoo. II	41	41	100.00	0	0	0	41	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
40	M.SC. Zoo. IV	32	32	100.00	0	0	0	32	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
41	M.C.A.SemII	<sup>68</sup>	68	100.00	0	0	0	68	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
42	M.C.A.SemIV	<sup>32</sup>	32	100.00	0	0	0	32	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
43	M.C.A.SemVI	<sup>63</sup>	62	98.41	0	0	0	62	98.41	0.00	0.00	0.00	4	1	4	4	4	3.4
44	M.Tech.Sem II	28	28	100.00	0	0	0	28	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
45	M.Tech.Sem IV	23	23	100.00	0	0	0	23	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
46	M.SC.Math. II	84	83	98.81	0	0	0	83	98.81	0.00	0.00	0.00	4	1	4	4	4	3.4
47	M.SC.Math. IV	70	70	100.00	0	0	0	70	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
48	M.Com. I Sem II	97	96	98.97	0	0	0	96	98.97	0.00	0.00	0.00	4	1	4	4	4	3.4
49	M.Com. I Sem IV	48	48	100.00	0	0	0	48	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4

50	M. Sc. Comp. Sem II	42	42	100.0 0	0	0	0	42	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
51	M. Sc. Comp. Sem IV	34	34	100.0 0	0	0	0	34	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
52	M. A. English Sem II	26	26	100.0 0	0	0	0	26	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4
53	M. A. English Sem IV	15	15	100.0 0	0	0	0	15	100.00	0.00	0.00	0.00	4	1	4	4	4	3.4



## **Report on Attainment of Learning Outcomes**

**2020-21**

Simply preparing, and communicating the learning outcomes (Programme Outcomes and Course Outcomes) is not sufficient unless there is a strong and structured mechanism for evaluating their attainment as it provides a yardstick to measure as to what extent the institution has succeeded in accomplishing its goals in consonance with its vision and mission. The IQAC has developed an effective and proper mechanism for the attainment of learning outcomes duly approved by the Governing Body. The attainment of learning outcomes is a significant aspect to enhance quality and mend the system to fulfil the need for common good of students, institution and society. Consequently, in 2020-21, the attainment of learning outcomes was given due importance by the college. In order to understand the level of attainment of learning outcomes for various courses, a questionnaire comprising 18 multiple choice questions was devised and uploaded on the institutional website. The details of this survey are as follow:

Survey/Feedback Type : Online

Website address : vbmv.org

Direct Link URL: <https://vbmv.org/attainment-COs.php>

Total number of questions attempted: 18

Total number of students in final year examination: 1425

Number students participated: 1208

The following are the observations on attainment of learning outcomes:

1. The students expressed their satisfaction about the display and communication of learning outcome for the courses.
2. The students revealed that they acquired expected competencies after completion of the program.
3. The students agreed that the college provided ample opportunities to learn all the skills that they expected.
4. The students revealed their satisfaction for adequate number of equipments and facilities as well as knowledge of teachers.
5. The students suggested to increase the use of online classrooms such as Google Classrooms.

### **Action taken:**

1. The teachers have enhanced the use of online classrooms such as Google Classrooms.

2. The administration of college has upgraded the Wi-Fi and internet facility to enhance the use of ICT techniques in teaching-learning.
3. The college has upgraded the IT infrastructure.

  
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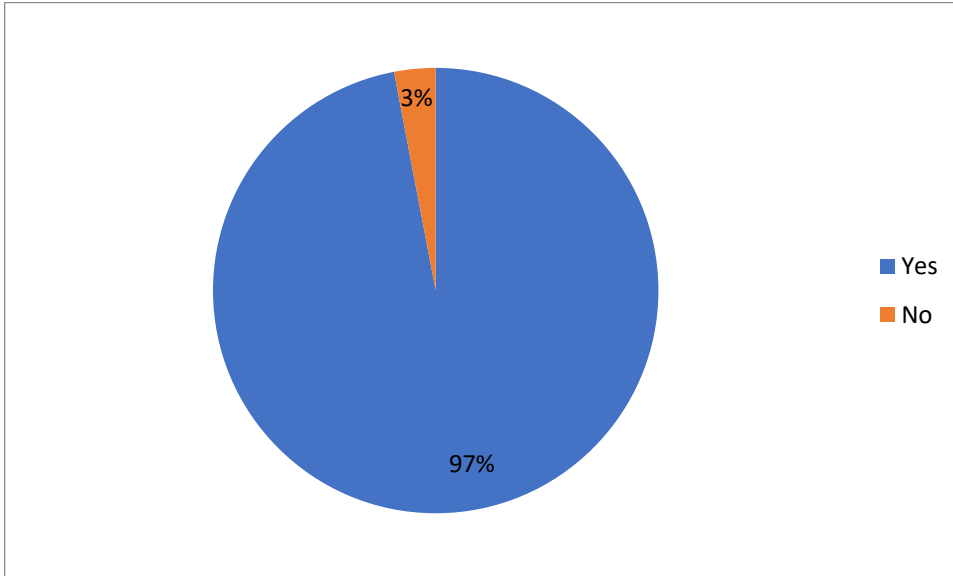
  
**PRINCIPAL**  
**VIDYA BHARATI MAHVIDYALAYA**  
**AMRAVATI**

**Response to questionnaire to assess attainment of PO, PSO and CO:  
2020-21**

Q1. Is the information available through website and information brochure about the program?

- Yes
- No

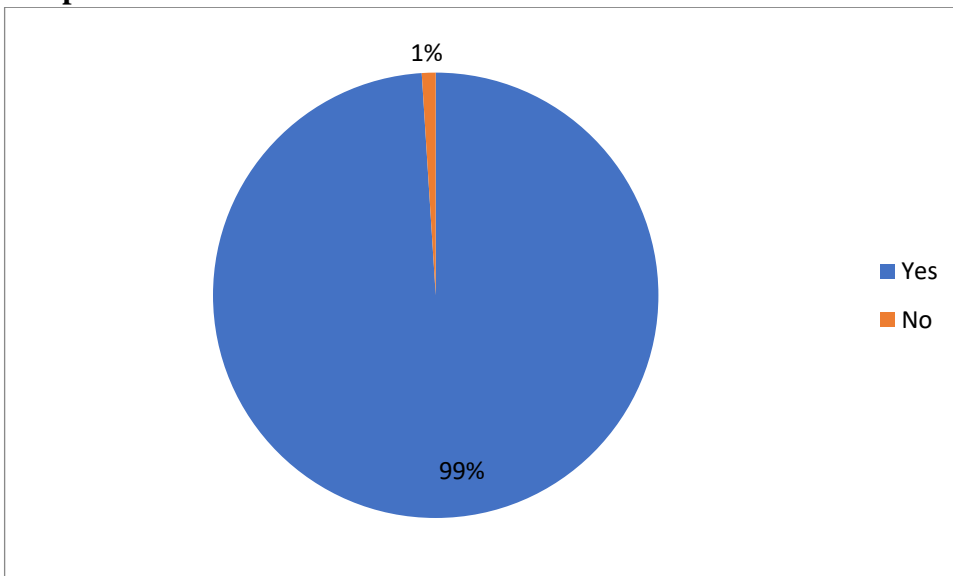
**Response:**



Q2. Are the learning outcomes (Programme Outcomes and Course Outcomes) displayed on college website?

- Yes
- No

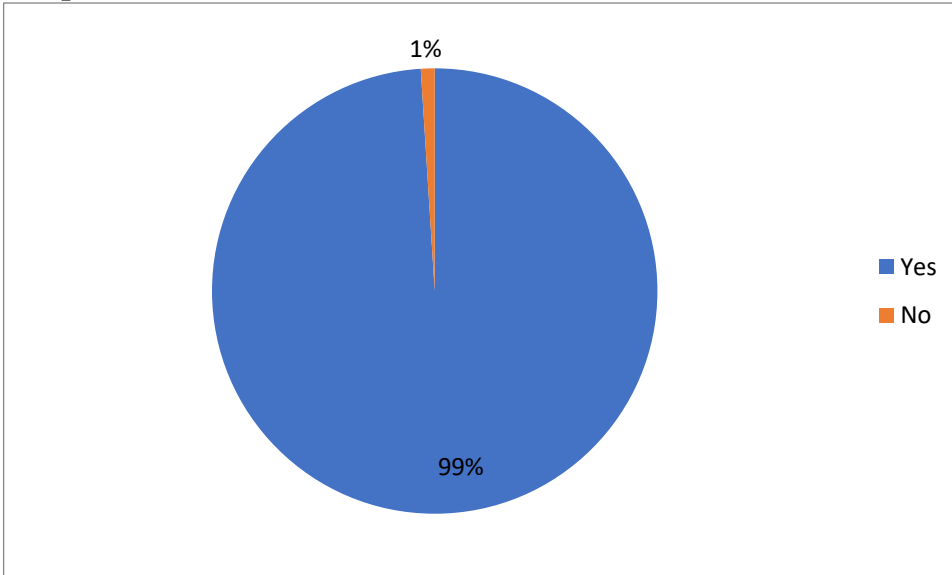
**Response:**



Q3. Did you read the outcomes of the programme before taking admission?

- Yes
- No

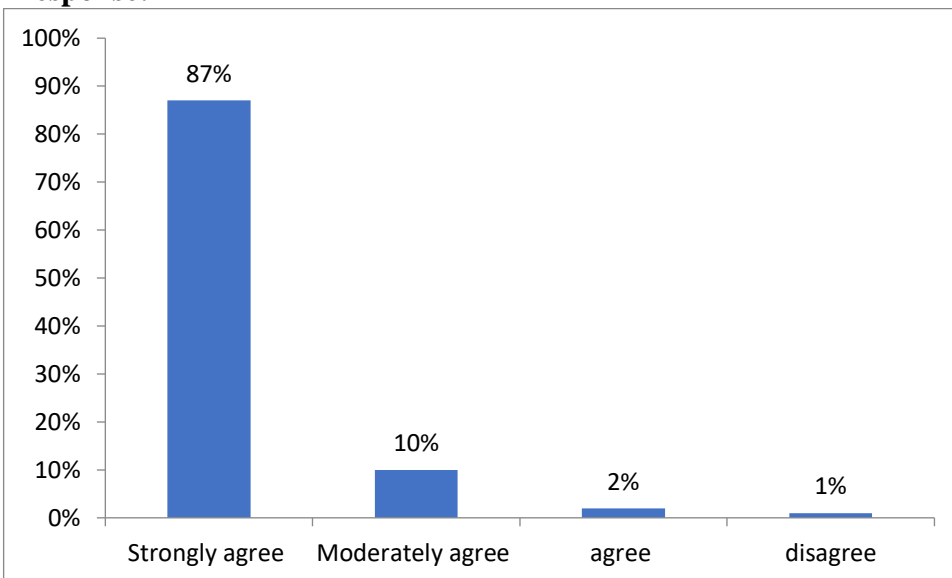
**Response:**



Q4. I have learned what I expected from the program

- Strongly agree
- Moderately agree
- agree
- disagree

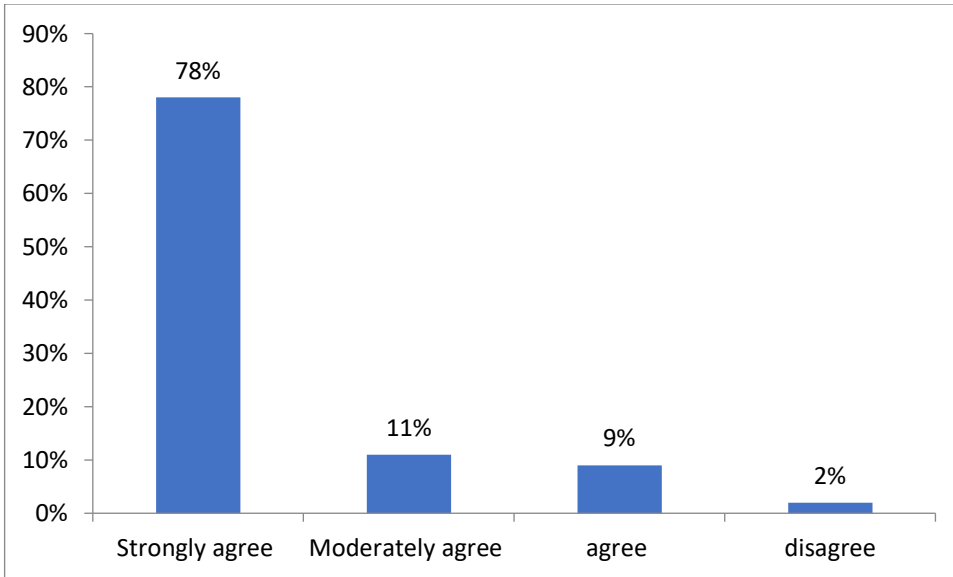
**Response:**



Q5. The college provided ample opportunities to learn all the skills that you expected

- Strongly agree
- Moderately agree
- agree
- disagree

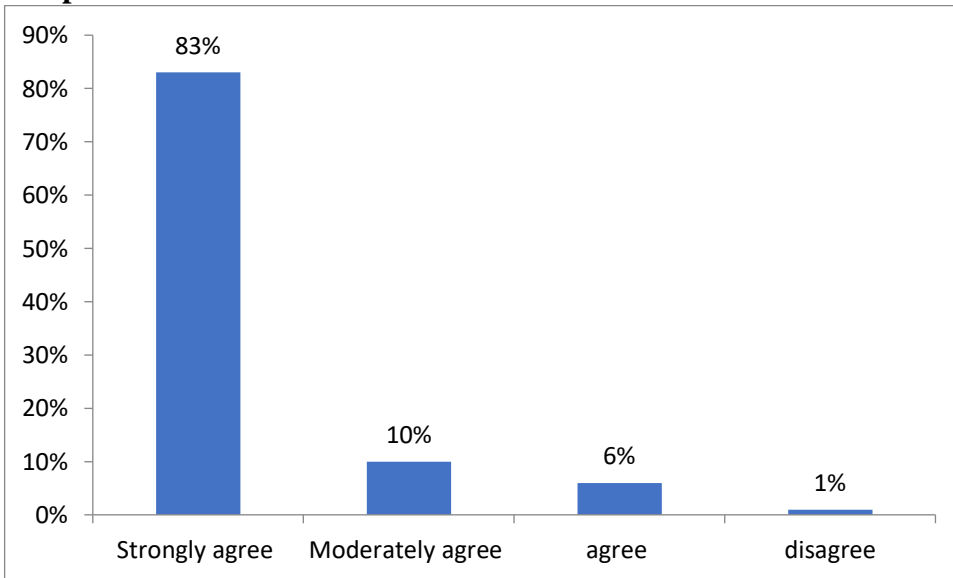
**Response:**



Q6. The college has adequate number of equipments and facilities and are well maintained

- Strongly agree
- Moderately agree
- agree
- disagree

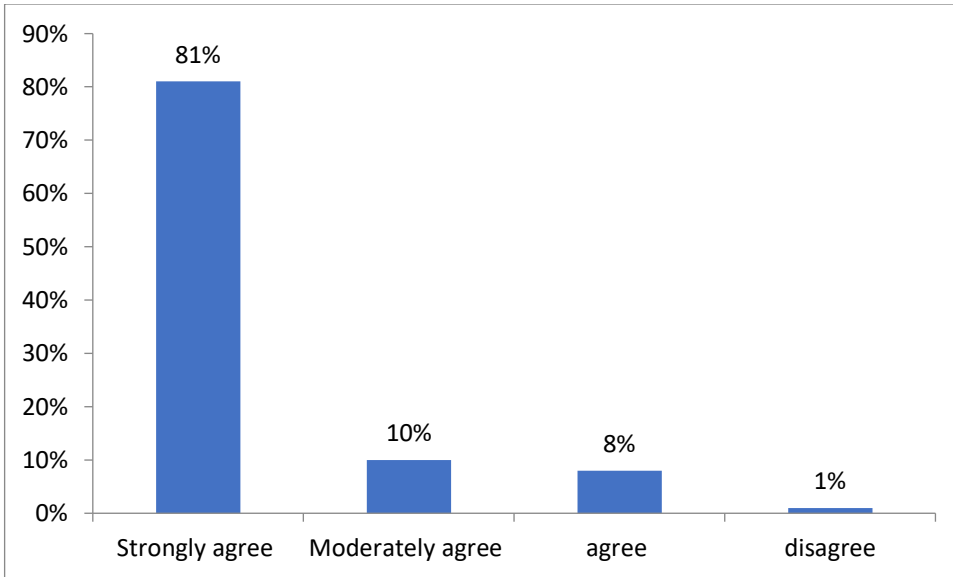
**Response:**



Q7. The teachers provide sufficient knowledge to develop skills

- Strongly agree
- Moderately agree
- agree
- disagree

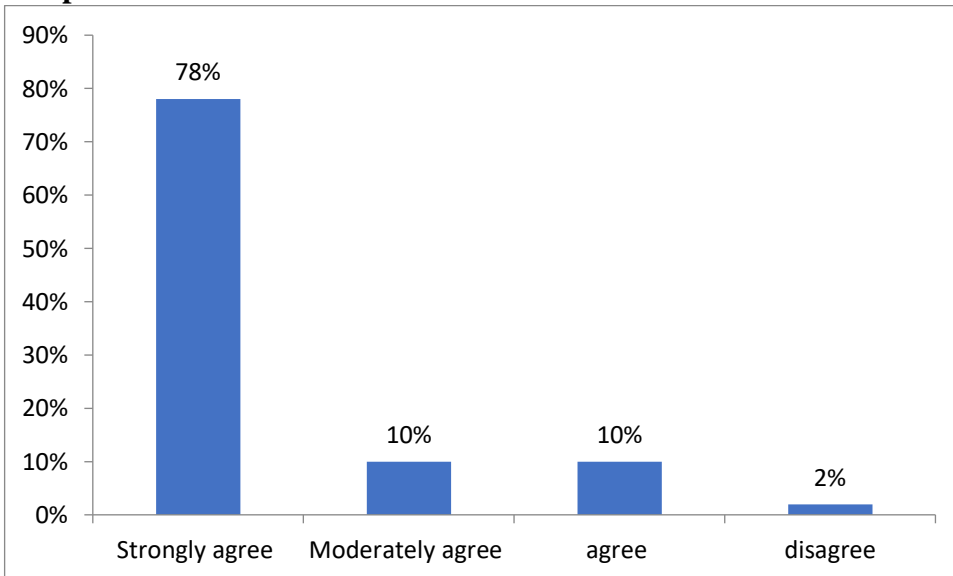
**Response:**



Q8. Do you have idea of what jobs you might be able to get after completing the program

- Strongly agree
- Moderately agree
- agree
- disagree

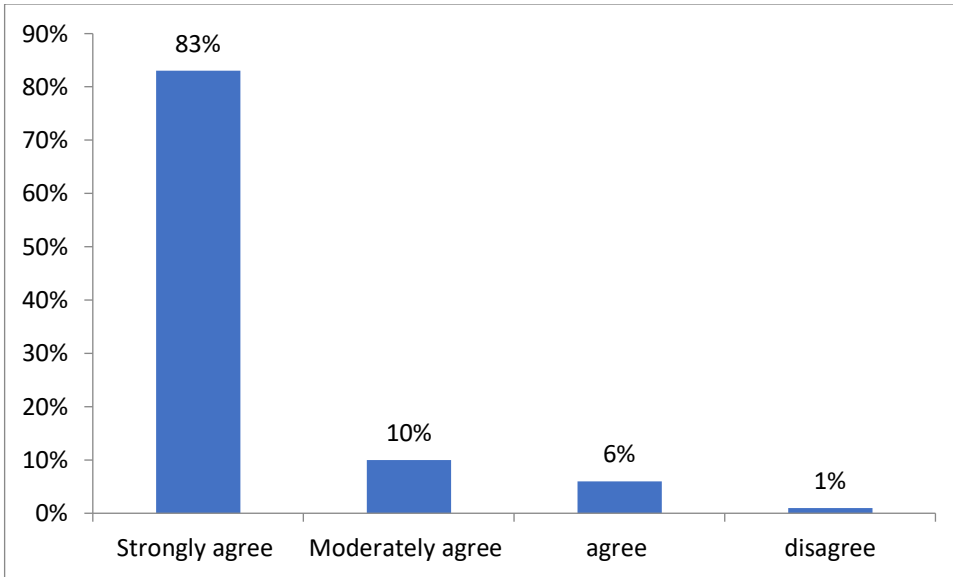
**Response:**



Q9. Support services such as tutoring and counselling were adequate and helped me succeed in the program

- Strongly agree
- Moderately agree
- agree
- disagree

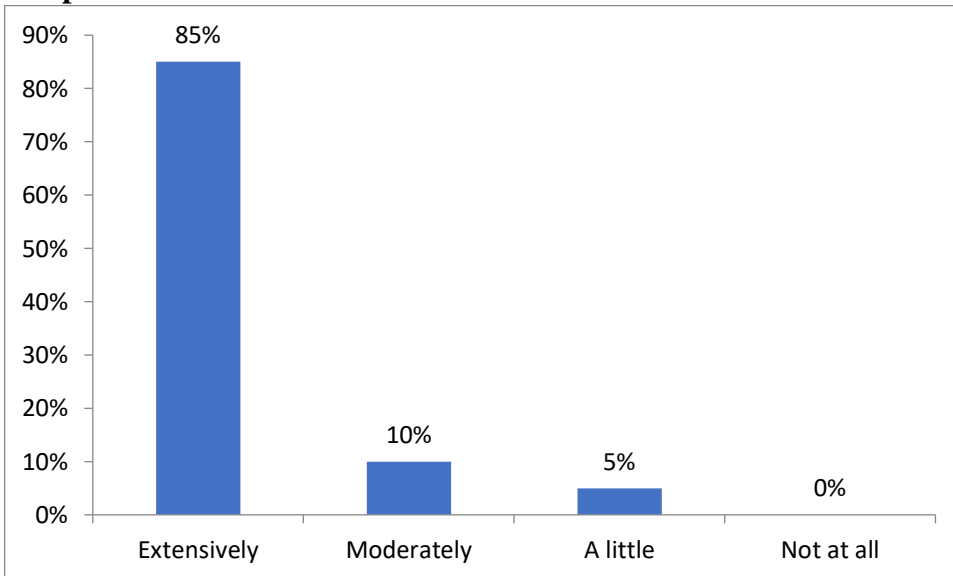
**Response:**



Q10. How much did you write (assignments, tutorials, activities) in your program?

- Extensively
- Moderately
- A little
- Not at all

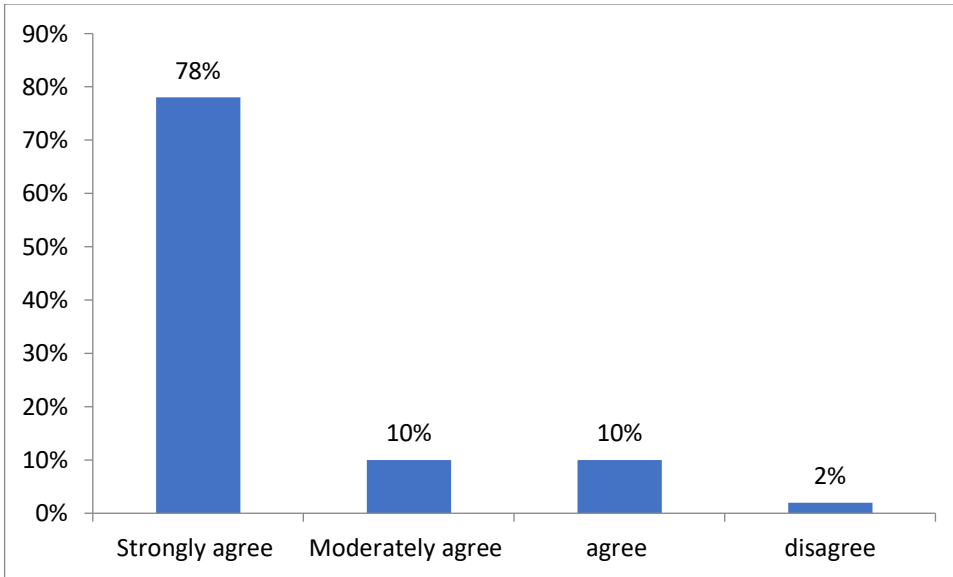
**Response:**



Q11. Did your program contain activities to increase information technology literacy?

- Extensively
- Moderately
- A little
- Not at all

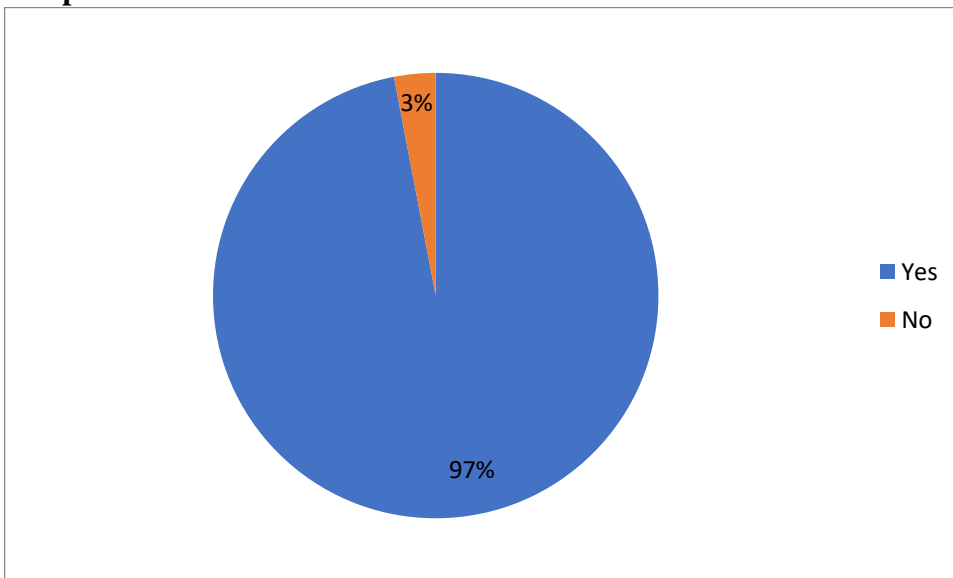
**Response:**



Q12. Did your program include modes of critical thinking?

- Yes
- No

**Response:**

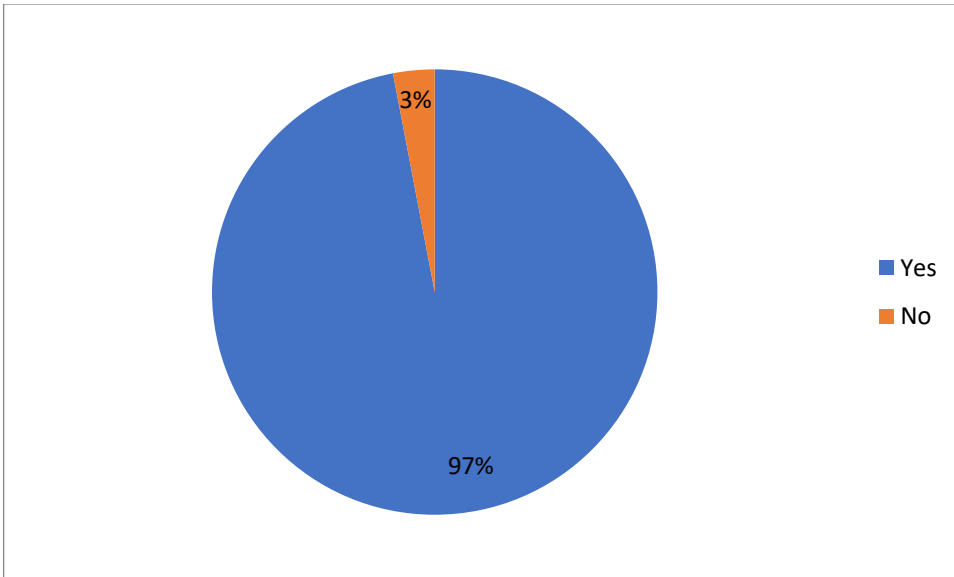


Q13. Did your program include project work?

- Yes
- No

**Response:**

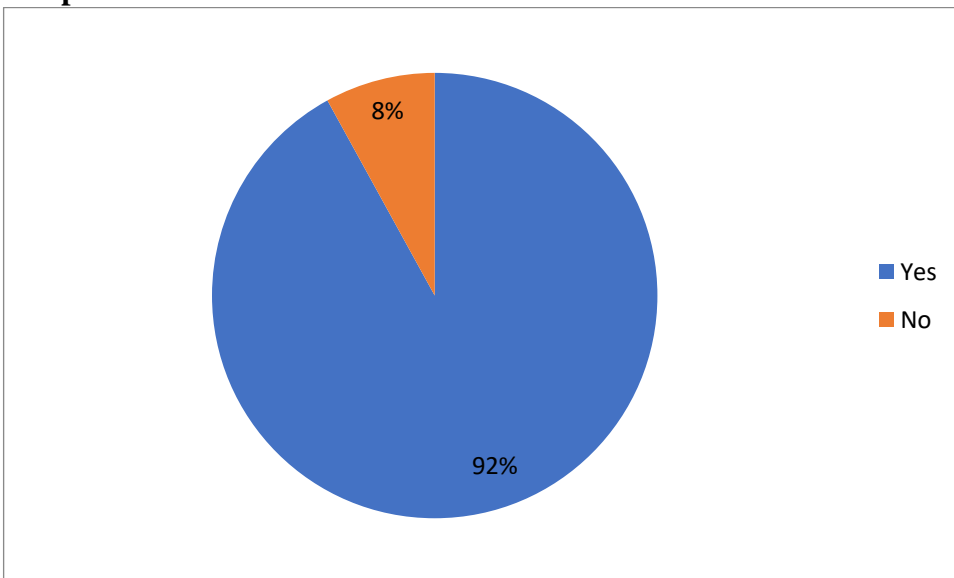




Q14. Did you participate in community based projects or service learning activities (NSS, NCC)?

- Yes
- No

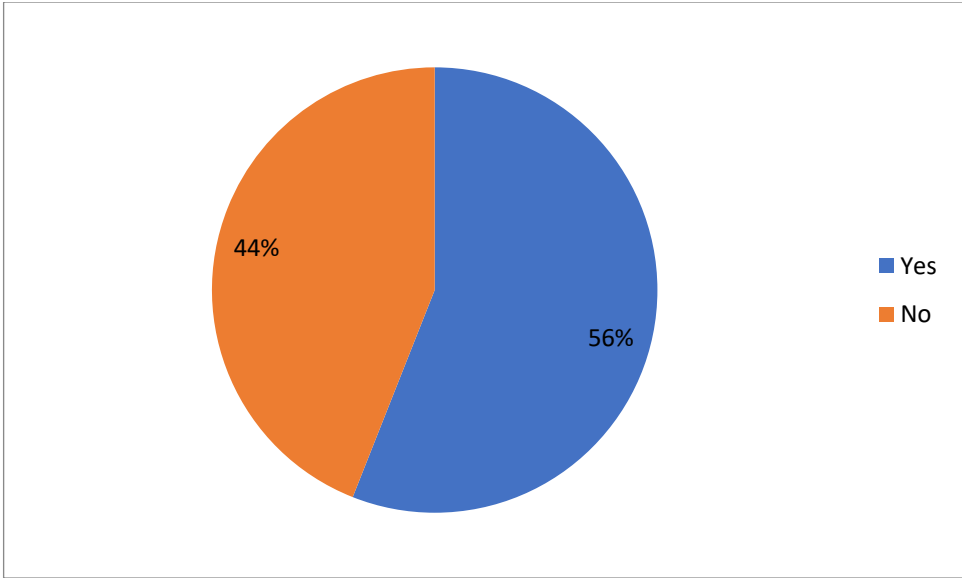
**Response:**



Q15. Did your program include internship programs and exposure to industry as a part of syllabus?

- Yes
- No

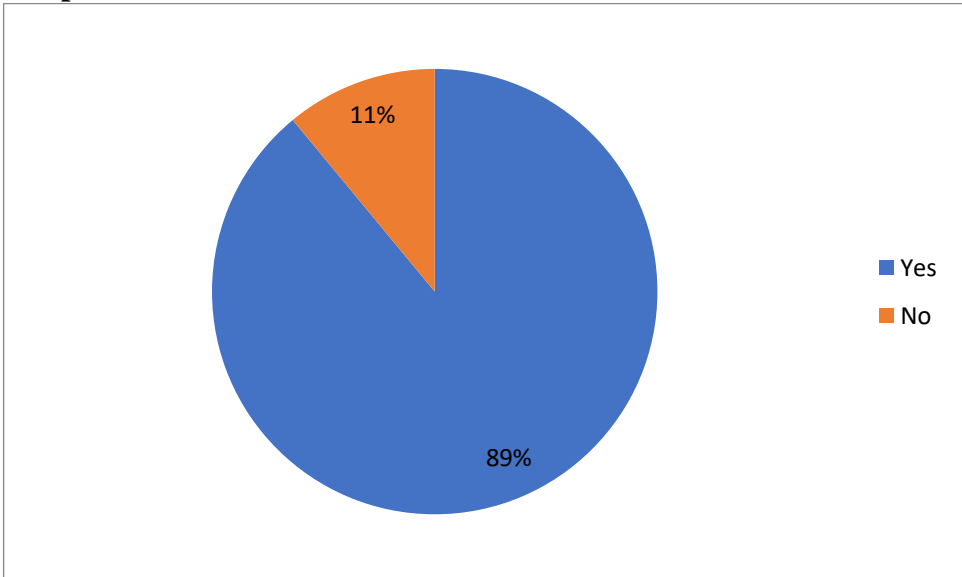
**Response:**



Q16. Will you recommend this programme to other students?

- Yes
- No

**Response:**



Q17. Rating overall quality of learning experience in this college

- Excellent
- Very Good
- Good
- Satisfactory
- Not satisfactory

**Response:**

