

# NIRMALA COLLEGE OF PHARMACY, MUVATTUPUZHA-686661, KERALA



## EMPLOYER SURVEY: 2022- 2023

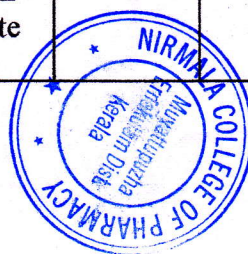
One of the best measures whether the program outcomes are achieved is to analyse the opinion of the employer about the competency and professionalism exhibited by the graduates in their professional field. For this the employers are requested to fill up the questionnaire. The knowledge, attitude, skills, professionalism, competency, abilities and other attributes can be evaluated by the response of employers. Moreover, the questions are related to the program outcomes. The feedback is taken after one year of their joining date. The questionnaire in employer survey form to evaluate attainment of P.O is given in I (A) and details of calculations are mentioned I (B) and relation of P.O with questionnaire and individual P.O attainments are given in section I (C)

### I (A) QUESTIONNAIRE FORMAT

#### EMPLOYERS FEEDBACK FORM

NOTE: Please tick as appropriate for the following questions with respect to BPharm graduate program.

Sl. No	Question/Parameter for evaluation	Excellent	Very good	Good	Fair	Poor
1	How competent are graduates in the application of the basic pharmaceutical sciences and its concepts?					
2	How do you rate the graduate's fundamental pharmacy related knowledge?					
3	How do you rate the graduate's knowledge in the various subjects of pharmaceutical sciences?					
4	How do you rate the graduate's ability to apply the principles learned from various pharmaceutical sciences?					
5	How do you rate the graduate's ability to analyse problems, interpret them and make use of his/her knowledge to solve them?					
6	How good is the graduate's ability in identifying and solving pharmaceutical problems?					
7	How can you rate the graduate's oral communication and presentation skills?					
8	How effective is the graduate's written communication skills? (Ability to write effectively).					



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9	How do you rate the graduate's ability to function in teams?					
10	How do you rate the graduate's understanding of his/her ethical and professional responsibilities?					
11	How do you rate the graduate's understanding of the social and global issues that have to be considered while providing solutions to various problems?					
12	How do you rate the graduate's understanding of the need for and the ability to engage in life-long learning?					
13	How do you rate the structure of the curriculum in providing in-depth education in the area of pharmaceutical sciences?					
14	How well the university curriculum has prepared the graduates for their academic/professional career?					
15	Overall rating of the Institute (academic, cocurricular, extra-curricular activities)?					

**I (B) CALCULATION OF P.O ATTAINMENT FROM EMPLOYER FEEDBACK FORM**

- **NUMBER OF EMPLOYER FEEDBACK FORMS COLLECTED: 60**
- **ACADEMIC YEAR COLLECTED: 2022-2023**

- Each question is answered by the employer on a scale where the employer can give the grades - Excellent, very good, good, fair and poor which are assigned the marks 4, 3, 2, 1 and 0 respectively.
- For example; 60 employer feed backs are taken for calculation. In the feedback forms, for the first question the following was the grading obtained from among 60 employer feedback forms.

Q.NO	EXCELLENT	V.GOOD	GOOD	FAIR	POOR
1	6	30	24	0	0

So,  $(6 \times 4) + (30 \times 3) + (24 \times 2) = 24 + 90 + 48 = 162$  (Total weightage)  
Number of feedback forms collected = 60



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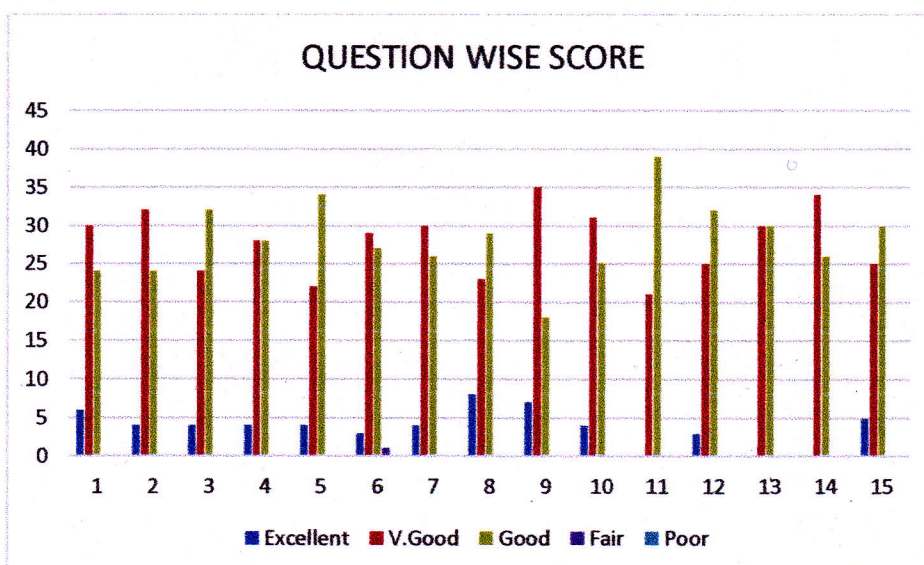
The maximum possible score will be  $60 \times 4 = 240$

The score attained for first question =  $(162/240) \times 100 = 67.5\%$

The score is to be converted to 3 scale i.e.,  $(67.5 \times 3) / 100 = 2.02$

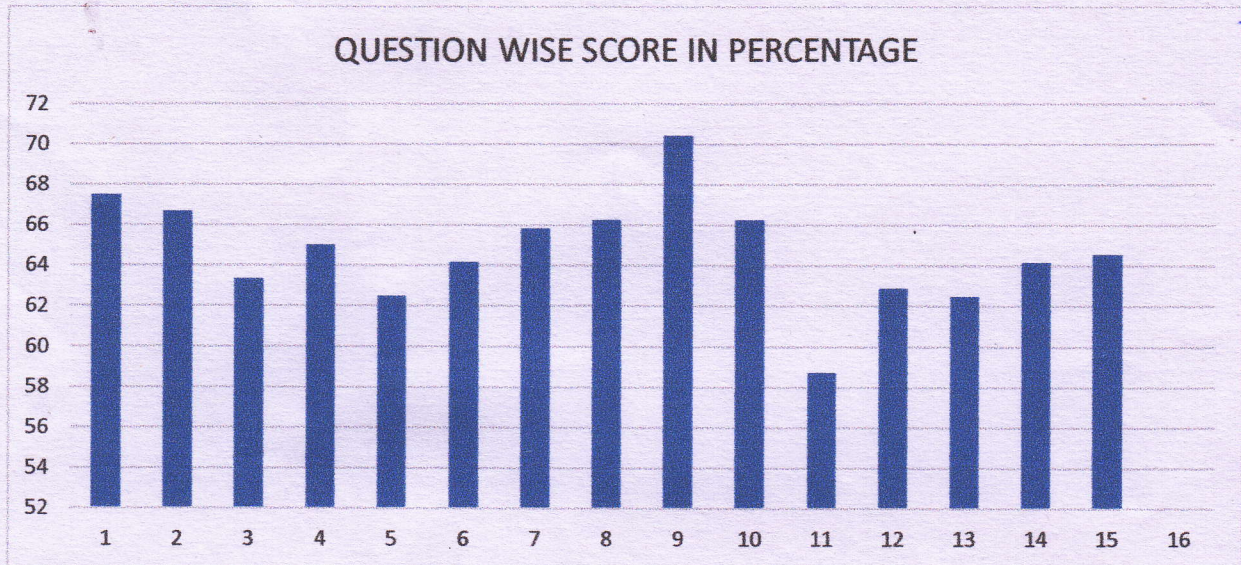
Q. No	Excellent (4)	V.Good (3)	Good (2)	Fair (1)	Poor (0)	Total Weightage	Percentage	Score In 3 Scale
1	6	30	24	0	0	162	67.5	2.02
2	4	32	24	0	0	160	66.66	1.99
3	4	24	32	0	0	152	63.33	1.89
4	4	28	28	0	0	156	65	1.95
5	4	22	34	0	0	150	62.5	1.87
6	3	29	27	1	0	154	64.16	1.92
7	4	30	26	0	0	158	65.83	1.97
8	8	23	29	0	0	159	66.25	1.98
9	7	35	18	0	0	169	70.41	2.11
10	4	31	25	0	0	159	66.25	1.98
11	0	21	39	0	0	141	58.75	1.76
12	3	25	32	0	0	151	62.91	1.88
13	0	30	30	0	0	150	62.5	1.87
14	0	34	26	0	0	154	64.16	1.92
15	5	25	30	0	0	155	64.58	1.93

Score attained for each feedback question:

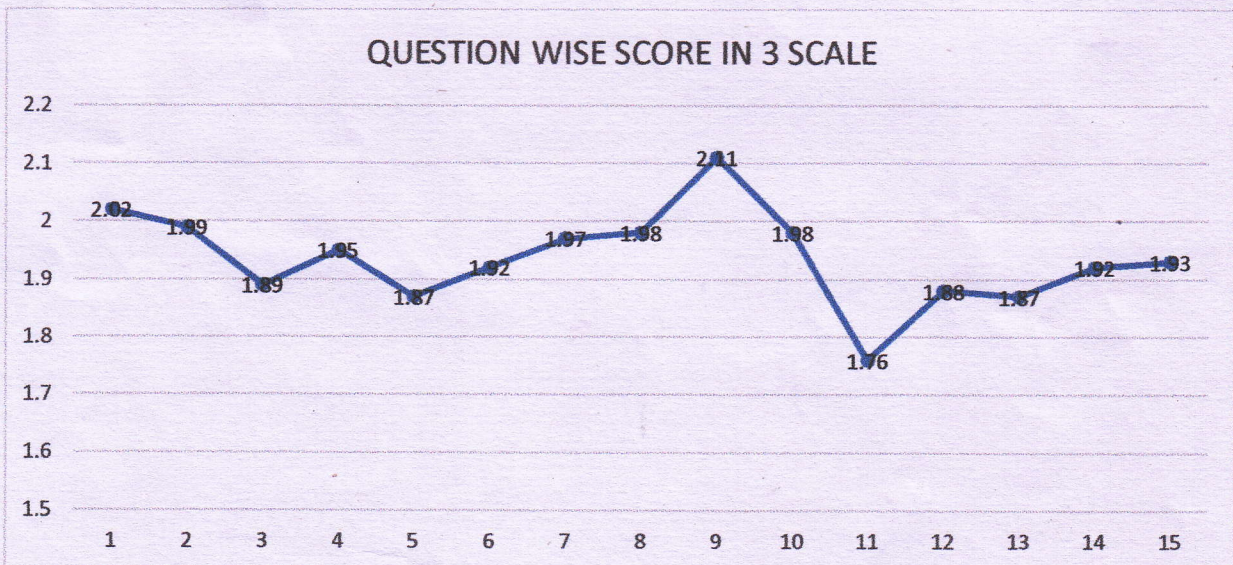


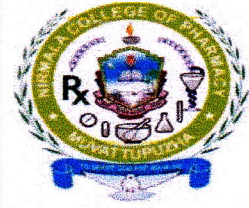


Percentage score for each question:



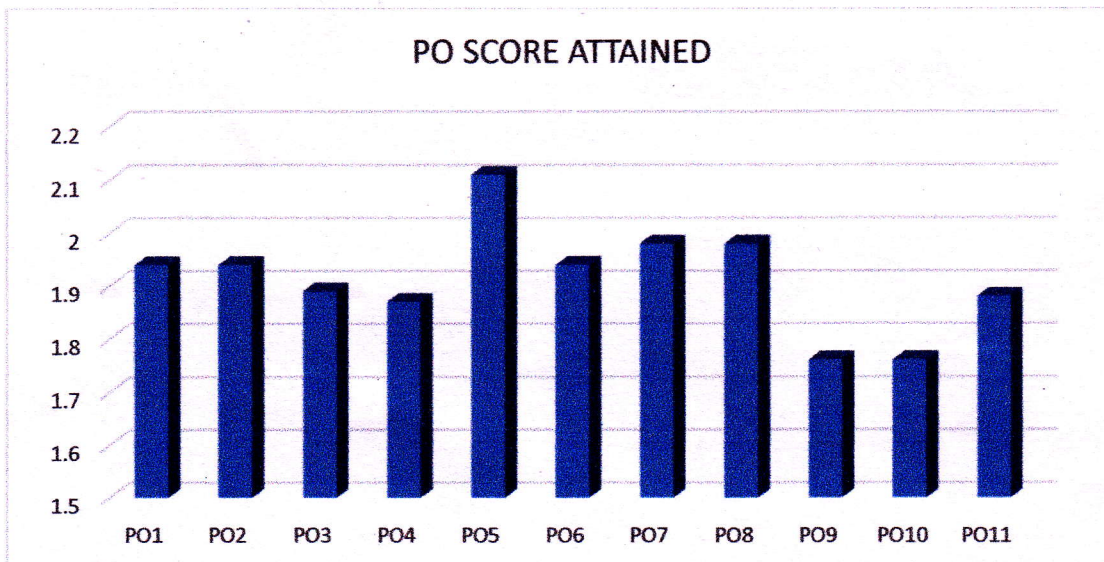
Three scale score for each question:





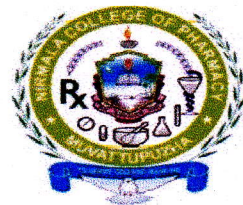
**RELATION OF P.O WITH QUESTIONNAIRE AND P.O ATTAINMENT SCORES**

Sl. No.	Program Outcomes (P.O)	Questions involved	P.O attainment
1	PO1	1,2,3,13	1.94
2	PO2	4,14	1.94
3	PO3	5,6	1.89
4	PO4	13	1.87
5	PO5	9	2.11
6	PO6	10,14,15	1.94
7	PO7	10	1.98
8	PO8	7,8	1.98
9	PO9	11	1.76
10	PO10	11	1.76
11	PO11	12	1.88



- If one Program outcome is matching only with one question the attainment value of that question is assigned for that particular P.O
- For example, in case of P.O 5, the relevant question is Question no. 9 and hence the attainment of P.O 5 is 2.11.
- Certain POs will be related with more than one question, so the average score of those three questions will be taken





- For example, P.O 1 is related with 4 questions 1,2,3 and 13, so the average of those four scores 2.02, 1.99, 1.89 and 1.87 is taken. So, the attainment of Program outcome, P.O-1 is 1.94.

### EVALUATION CRITERIA

The scores obtained from employer survey were mapped with POs and those POs with less than 60% (less than 1.8) attainment level were considered as gaps. The details are shown below.

PO attainment score from employer survey											
POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Score	1.94	1.94	1.89	1.87	2.11	1.94	1.98	1.98	1.76	1.76	1.88

Gaps identified from employer survey	POs
Programmes which make the students aware about health, safety and legal issues relevant to the professional pharmacy practice.	PO9
Programmes which help the students to understand the impact of the professional pharmacy solutions in societal and environmental contexts.	PO10

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