



2.6.2

Attainment of programme outcomes and course outcomes are evaluated by the institution

Mapping of CO to PO & CO to PSO using deQ OBE Software

Mapping - CO to PO :

2019 M.Sc. Microbiology / First / 2019 / 19PMBCC101 : Core 1: Biomolecules

Course Outcomes	Components	Summary	PO Mapping					PSO Mapping
SL. Code	Course Outcome		PO.1	PO.2	PO.3	PO.4	PO.5	Action
1	19PMBCC101.1	Comprehend and analyze concept of biomolecules and biochemical processes.	3	3	2	2	1	✎ 🗑
2	19PMBCC101.2	Relate chemical interactions between molecules in biological systems.	2	2	3	2	1	✎ 🗑
3	19PMBCC101.3	Evaluate structure and role of various biological molecules.	3	3	3	2	1	✎ 🗑
4	19PMBCC101.4	Interpret various phenomenon associated with biomolecules.	3	3	2	2	2	✎ 🗑
5	19PMBCC101.5	Predict and determine the physiological problems related to biomolecules.	3	3	2	2	2	✎ 🗑

Mapping - CO to PSO :

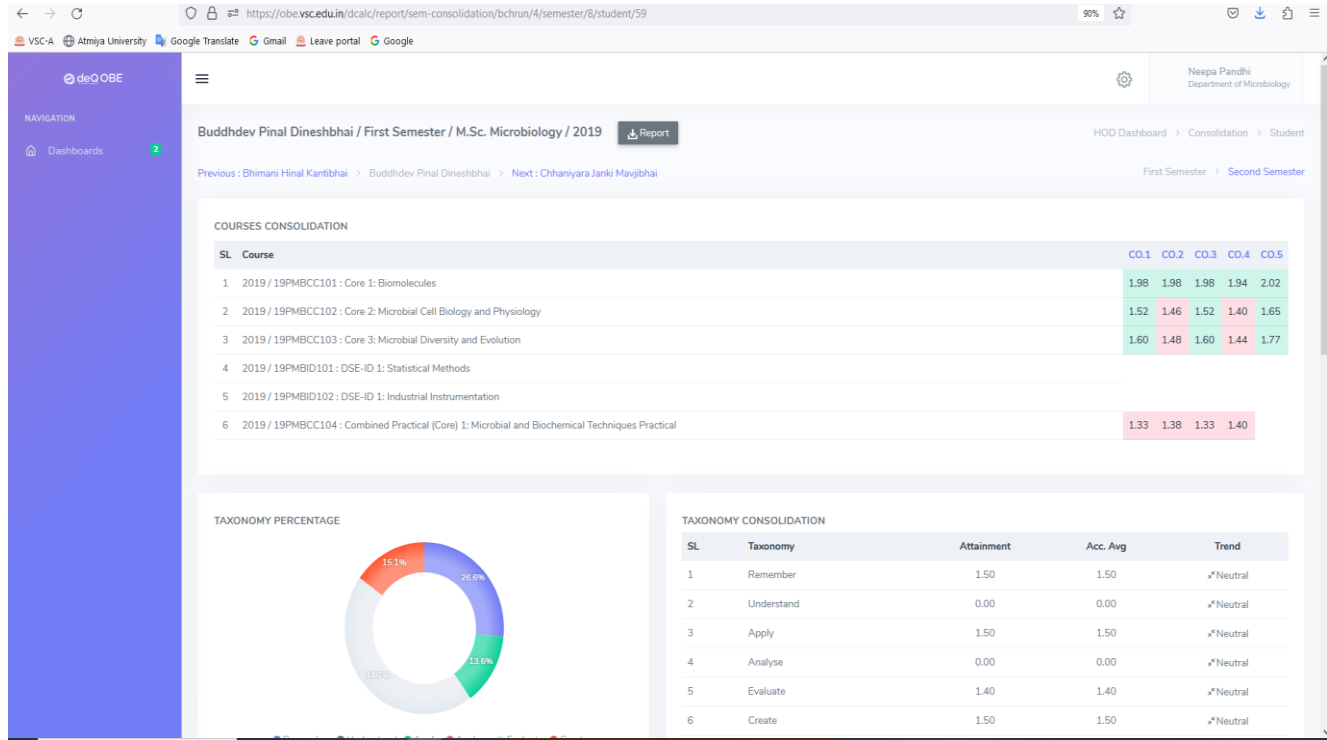
2019 M.Sc. Microbiology / First / 2019 / 19PMBCC102 : Core 2: Microbial Cell Biology and Physiology

Course Outcomes	Components	Summary	PO Mapping	PSO Mapping										Mark	Attainment	Report
SL. Code	Course Outcome			PSO.1	PSO.2	PSO.3	PSO.4	PSO.5	PSO.6	PSO.7	PSO.8	PSO.9	PSO.10	Action		
1	19PMBCC102.1	Demonstrate the structures and functions of cell and sub-cellular organelles		3	3	3	3	3	2	2	3	3	2	✎ 🗑		
2	19PMBCC102.2	Inspect energy generating mechanisms in bacteria		3	3	2	3	3	2	3	3	3	1	✎ 🗑		
3	19PMBCC102.3	Elucidating the transport system of bacteria		3	3	1	3	2	2	3	2	2	1	✎ 🗑		
4	19PMBCC102.4	Illustrate the adaptation process of microorganisms during different environmental conditions		3	3	2	3	3	3	3	2	3	1	✎ 🗑		
5	19PMBCC102.5	Summarize the aspects of microbial interactions		3	3	2	3	2	3	3	3	2	3	✎ 🗑		

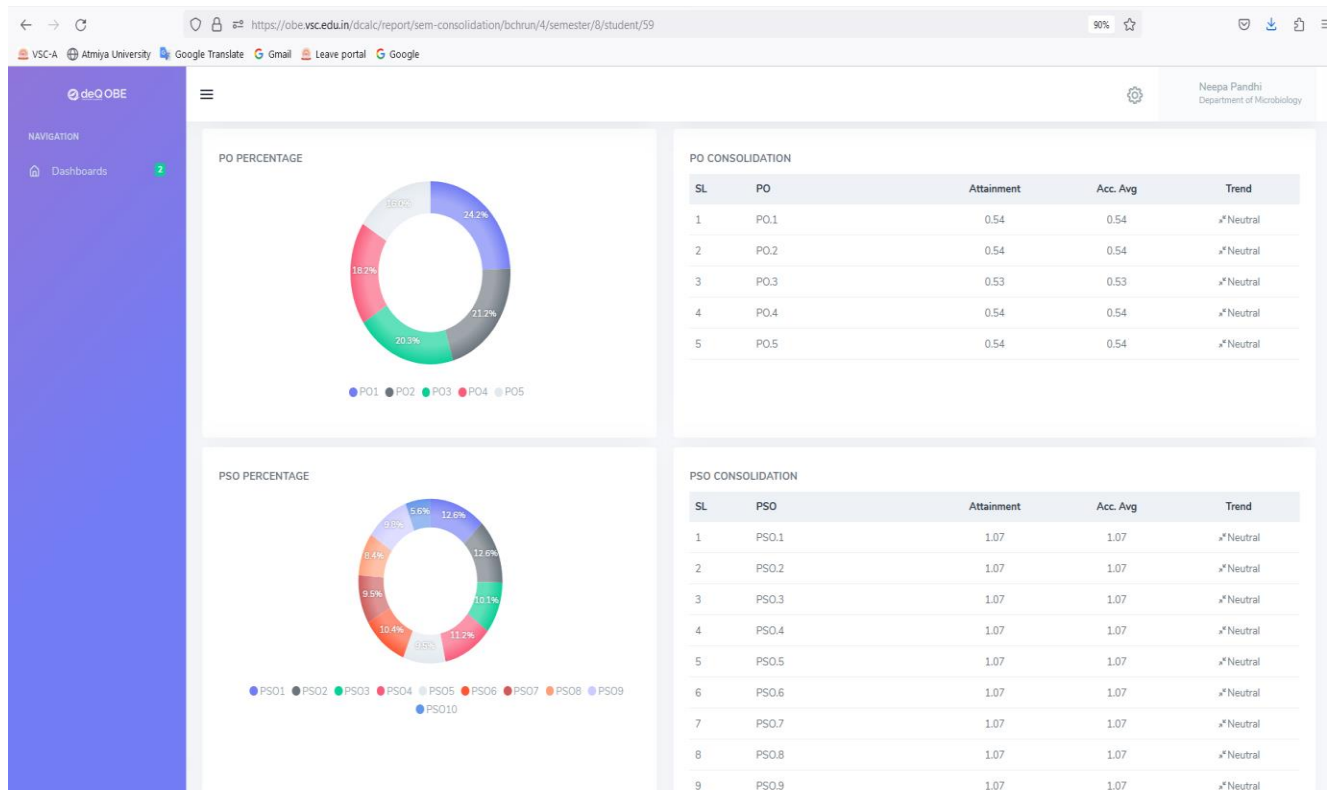


Sample Report of deQ OBE Software

Attainment of CO - Student wise:

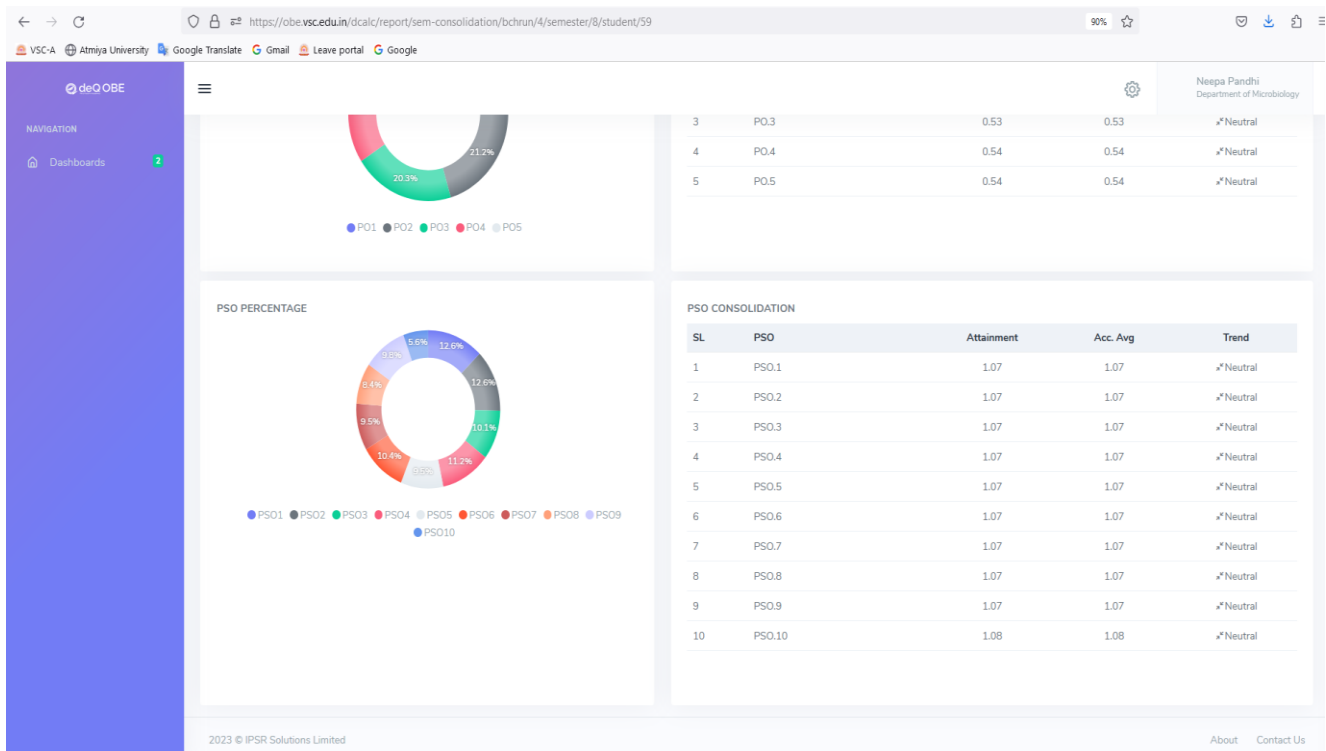


Attainment of PO - Student wise:





Attainment of PSO - Student wise:



Attainment of CO - Class Average with Student Average:

2019 M.Sc. Microbiology / First / 2019 / 19PMBCC101 : Core 1: Biomolecules

Course Outcomes	Components	Summary	PO Mapping	PSO Mapping	Mark	Attainment	Report				
Course Outcome	Taxonomy	PO	PSO	Calibrate							
SL	Students	CO.1	AVG	CO.2	AVG	CO.3	AVG	CO.4	AVG	CO.5	AVG
1	19MMB001 Balda Tamvi Dilipbhai	1.52	1.71	1.46	1.69	1.52	1.71	1.48	1.68	1.56	1.73
2	19MMB002 Bhatt Keyur Vijaybhai	1.85	1.71	1.85	1.69	1.85	1.71	1.85	1.68	1.85	1.73
3	19MMB003 Bhimani Hinal Kantibhai	1.77	1.71	1.77	1.69	1.77	1.71	1.73	1.68	1.81	1.73
4	19MMB004 Buddhdev Pinal Dineshbhai	1.98	1.71	1.98	1.69	1.98	1.71	1.94	1.68	2.02	1.73
5	19MMB005 Chhaniyara Janki Mavjibhai	1.90	1.71	1.90	1.69	1.90	1.71	1.90	1.68	1.90	1.73
6	19MMB006 Dalsaniya Twinkal Ashwinbhai	1.52	1.71	1.52	1.69	1.52	1.71	1.48	1.68	1.56	1.73
7	19MMB007 Davda Shreya Vinodbhai	1.77	1.71	1.77	1.69	1.77	1.71	1.73	1.68	1.81	1.73
8	19MMB008 Dhiyad Dhara Hareshbhai	2.10	1.71	2.10	1.69	2.10	1.71	2.10	1.68	2.10	1.73
9	19MMB009 Gadhetariya Priya Hiteshbhai	1.65	1.71	1.65	1.69	1.65	1.71	1.65	1.68	1.65	1.73
10	19MMB010 Ganjani Sagar Kamleshbhai	2.10	1.71	2.10	1.69	2.10	1.71	2.10	1.68	2.10	1.73
11	19MMB011 Jobanputra Shreya Nitinbhai	1.52	1.71	1.46	1.69	1.52	1.71	1.48	1.68	1.56	1.73
12	19MMB012 Joshi Pooja Kirankumar	1.90	1.71	1.90	1.69	1.90	1.71	1.90	1.68	1.90	1.73
13	19MMB013 Joshi Shivani Labshankar	1.77	1.71	1.77	1.69	1.77	1.71	1.73	1.68	1.81	1.73
14	19MMB014 Kanzariya Twinkal Gopalbhai	2.10	1.71	2.10	1.69	2.10	1.71	2.10	1.68	2.10	1.73
15	19MMB015 Koya Tammay Chetan	1.52	1.71	1.52	1.69	1.52	1.71	1.48	1.68	1.56	1.73
16	19MMB016 Makhasana Khushbu Rajinibhai	1.65	1.71	1.65	1.69	1.65	1.71	1.65	1.68	1.65	1.73



Attainment of Taxonomy - Class Average with Student Average:

2019 M.Sc. Microbiology / First / 2019 / 19PMBCC101 : Core 1: Biomolecules

Course Outcomes	Components	Summary	PO Mapping	PSO Mapping	Mark	Attainment	Report						
Course Outcome	Taxonomy	PO	PSO	Calibrate									
SL	Students	Remember	AVG	Understand	AVG	Apply	AVG	Analyse	AVG	Evaluate	AVG	Create	AVG
1	19MMB001 Balzha Tanvi Dilipbhai	2.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	2.00	2.19	2.00	2.50
2	19MMB002 Bhatt Keyur Vijaybhai	3.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	2.60	2.19	2.00	2.50
3	19MMB003 Bhimani Hinal Kantibhai	3.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	2.00	2.19	3.00	2.50
4	19MMB004 Buddhdev Pinal Dineshbhai	3.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	2.60	2.19	3.00	2.50
5	19MMB005 Chhaniyara Janki Mavjibhai	3.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	2.40	2.19	3.00	2.50
6	19MMB006 Dalsaniya Twinkal Ashwinbhai	3.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	1.60	2.19	2.00	2.50
7	19MMB007 Davda Shreya Vinodbhai	3.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	2.00	2.19	3.00	2.50
8	19MMB008 Dhiyad Dhara Hareshbhai	3.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	3.00	2.19	3.00	2.50
9	19MMB009 Gadhetariya Priya Hiteshbhai	3.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	2.00	2.19	2.00	2.50
10	19MMB010 Ganjani Sagar Kamleshbhai	3.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	3.00	2.19	3.00	2.50
11	19MMB011 Jobanputra Shreya Nitinbhai	1.00	2.60	0.00	0.00	2.00	2.88	0.00	0.00	2.40	2.19	3.00	2.50
12	19MMB012 Joshi Pooja Kirankumar	3.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	2.40	2.19	3.00	2.50
13	19MMB013 Joshi Shivani Labhshankar	3.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	2.00	2.19	3.00	2.50
14	19MMB014 Kanzariya Twinkal Gopalbhai	3.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	3.00	2.19	3.00	2.50
15	19MMB015 Koya Tanmay Chetan	3.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	1.60	2.19	2.00	2.50
16	19MMB016 Makhasana Khusbu Rajnibhai	3.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	2.00	2.19	2.00	2.50

Attainment of PO - Class Average with Student Average:

2019 M.Sc. Microbiology / First / 2019 / 19PMBCC101 : Core 1: Biomolecules

Course Outcomes	Components	Summary	PO Mapping	PSO Mapping	Mark	Attainment	Report				
Course Outcome	Taxonomy	PO	PSO	Calibrate							
SL	Students	PO.1	AVG	PO.2	AVG	PO.3	AVG	PO.4	AVG	PO.5	AVG
1	19MMB001 Balzha Tanvi Dilipbhai	0.76	0.85	0.76	0.85	0.75	0.85	0.75	0.85	0.76	0.85
2	19MMB002 Bhatt Keyur Vijaybhai	0.93	0.85	0.93	0.85	0.92	0.85	0.93	0.85	0.92	0.85
3	19MMB003 Bhimani Hinal Kantibhai	0.89	0.85	0.89	0.85	0.89	0.85	0.89	0.85	0.89	0.85
4	19MMB004 Buddhdev Pinal Dineshbhai	0.99	0.85	0.99	0.85	0.99	0.85	0.99	0.85	0.99	0.85
5	19MMB005 Chhaniyara Janki Mavjibhai	0.95	0.85	0.95	0.85	0.95	0.85	0.95	0.85	0.95	0.85
6	19MMB006 Dalsaniya Twinkal Ashwinbhai	0.76	0.85	0.76	0.85	0.76	0.85	0.76	0.85	0.76	0.85
7	19MMB007 Davda Shreya Vinodbhai	0.89	0.85	0.89	0.85	0.89	0.85	0.89	0.85	0.89	0.85
8	19MMB008 Dhiyad Dhara Hareshbhai	1.05	0.85	1.05	0.85	1.05	0.85	1.05	0.85	1.05	0.85
9	19MMB009 Gadhetariya Priya Hiteshbhai	0.82	0.85	0.82	0.85	0.83	0.85	0.82	0.85	0.83	0.85
10	19MMB010 Ganjani Sagar Kamleshbhai	1.05	0.85	1.05	0.85	1.05	0.85	1.05	0.85	1.05	0.85
11	19MMB011 Jobanputra Shreya Nitinbhai	0.76	0.85	0.76	0.85	0.75	0.85	0.75	0.85	0.76	0.85
12	19MMB012 Joshi Pooja Kirankumar	0.95	0.85	0.95	0.85	0.95	0.85	0.95	0.85	0.95	0.85
13	19MMB013 Joshi Shivani Labhshankar	0.89	0.85	0.89	0.85	0.89	0.85	0.89	0.85	0.89	0.85
14	19MMB014 Kanzariya Twinkal Gopalbhai	1.05	0.85	1.05	0.85	1.05	0.85	1.05	0.85	1.05	0.85
15	19MMB015 Koya Tanmay Chetan	0.76	0.85	0.76	0.85	0.76	0.85	0.76	0.85	0.76	0.85
16	19MMB016 Makhasana Khusbu Rajnibhai	0.82	0.85	0.82	0.85	0.83	0.85	0.82	0.85	0.83	0.85



Attainment of PSO - Class Average with Student Average:

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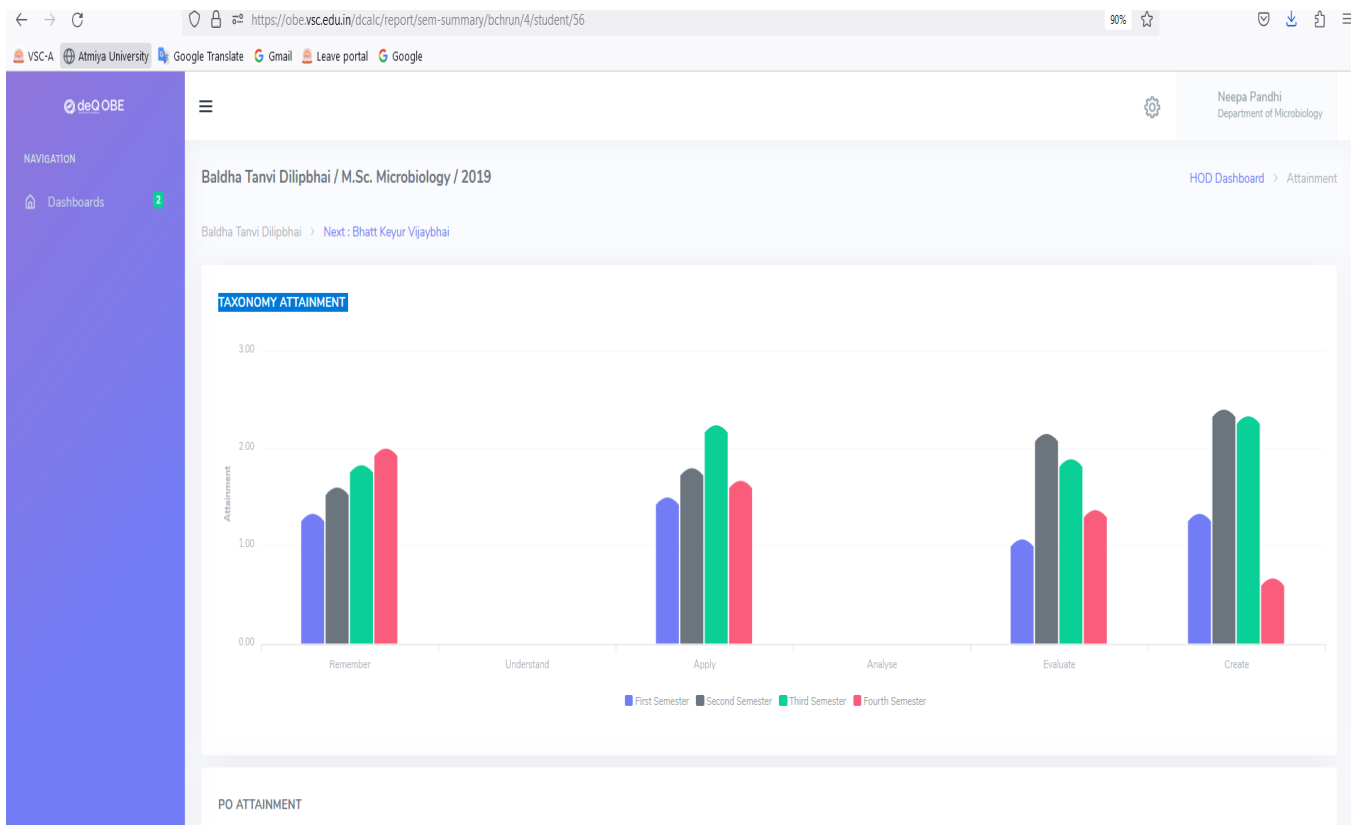
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deQ OBE Neepa Pandhi Department of Microbiology

2019 M.Sc. Microbiology / First / 2019 / 19PMBCC101 : Core 1: Biomolecules

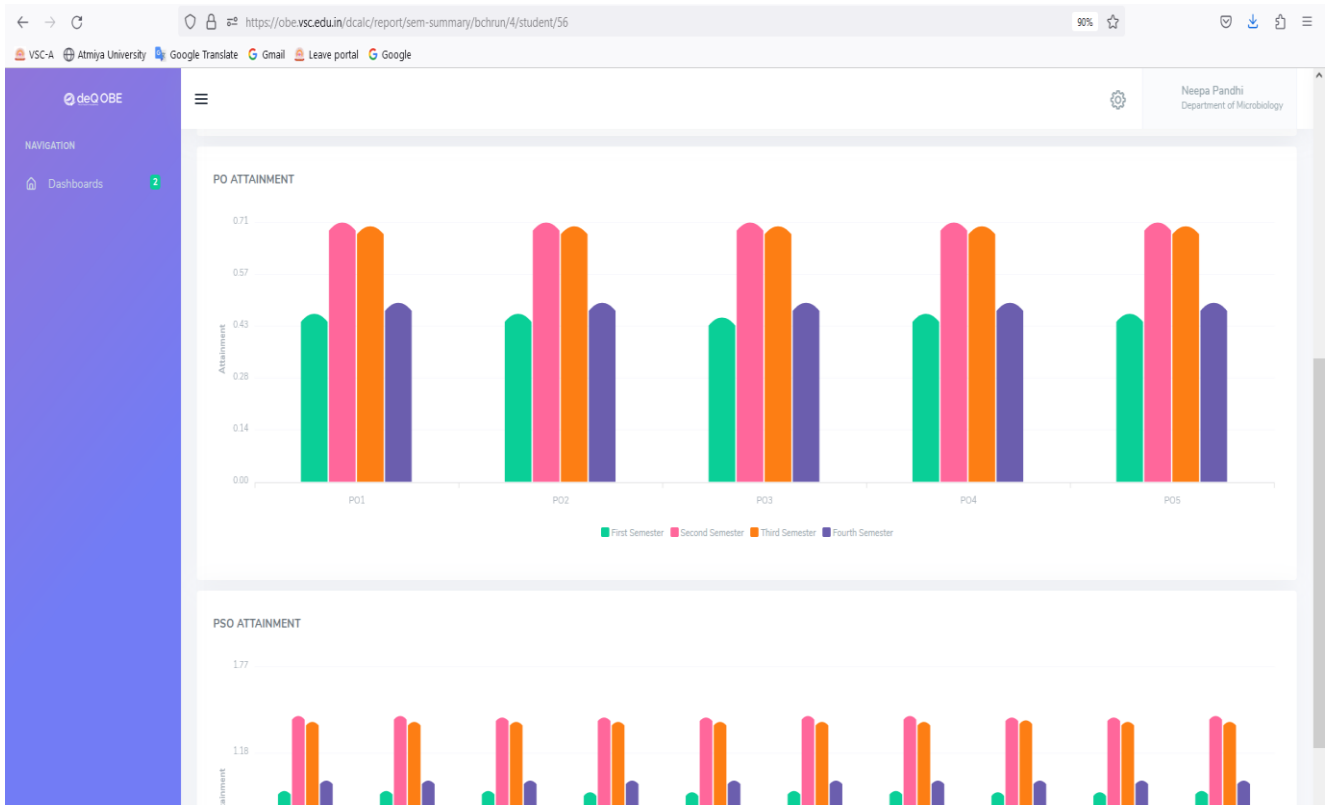
Course Outcomes	Components	Summary	PO Mapping	PSO Mapping	Mark	Attainment	Report													
Course Outcome	Taxonomy	PO	PSO	Calibrate																
SL	Students	PSO.1	AVG	PSO.2	AVG	PSO.3	AVG	PSO.4	AVG	PSO.5	AVG	PSO.6	AVG	PSO.7	AVG	PSO.8	AVG	PSO.9	AVG	PSO.10
1	19MMB001 Baldha Tanvi Dilipbhai	1.52	1.71	1.52	1.71	1.52	1.71	1.52	1.71	1.52	1.71	1.52	1.71	1.52	1.71	1.52	1.71	1.52	1.71	1.52
2	19MMB002 Bhatt Keyur Vijaybhai	1.85	1.71	1.85	1.71	1.85	1.71	1.85	1.71	1.85	1.71	1.85	1.71	1.85	1.71	1.85	1.71	1.85	1.71	1.85
3	19MMB003 Bhimani Hinal Kantibhai	1.77	1.71	1.77	1.71	1.77	1.71	1.77	1.71	1.77	1.71	1.77	1.71	1.77	1.71	1.77	1.71	1.77	1.71	1.77
4	19MMB004 Buddhdev Pinal Dineshbhai	1.98	1.71	1.98	1.71	1.98	1.71	1.98	1.71	1.98	1.71	1.98	1.71	1.98	1.71	1.98	1.71	1.98	1.71	1.98
5	19MMB005 Chhaniyara Janki Mavjibhai	1.90	1.71	1.90	1.71	1.90	1.71	1.90	1.71	1.90	1.71	1.90	1.71	1.90	1.71	1.90	1.71	1.90	1.71	1.90
6	19MMB006 Dalsaniya Twinkal Ashwinbhai	1.52	1.71	1.52	1.71	1.52	1.71	1.52	1.71	1.52	1.71	1.52	1.71	1.52	1.71	1.52	1.71	1.52	1.71	1.52
7	19MMB007 Davda Shreya Vinodbhai	1.77	1.71	1.77	1.71	1.77	1.71	1.77	1.71	1.77	1.71	1.77	1.71	1.77	1.71	1.77	1.71	1.77	1.71	1.77
8	19MMB008 Dhiyad Dhara Harehbhai	2.10	1.71	2.10	1.71	2.10	1.71	2.10	1.71	2.10	1.71	2.10	1.71	2.10	1.71	2.10	1.71	2.10	1.71	2.10
9	19MMB009 Gadhetariya Priya Hiteshbhai	1.65	1.71	1.65	1.71	1.65	1.71	1.65	1.71	1.65	1.71	1.65	1.71	1.65	1.71	1.65	1.71	1.65	1.71	1.65
10	19MMB010 Ganjani Sagar Kamleshbhai	2.10	1.71	2.10	1.71	2.10	1.71	2.10	1.71	2.10	1.71	2.10	1.71	2.10	1.71	2.10	1.71	2.10	1.71	2.10
11	19MMB011 Jobanputra Shreya Nitinbhai	1.52	1.71	1.52	1.71	1.52	1.71	1.52	1.71	1.52	1.71	1.52	1.71	1.52	1.71	1.52	1.71	1.52	1.71	1.52
12	19MMB012 Joshi Pooja Kirankumar	1.90	1.71	1.90	1.71	1.90	1.71	1.90	1.71	1.90	1.71	1.90	1.71	1.90	1.71	1.90	1.71	1.90	1.71	1.90
13	19MMB013 Joshi Shivani Labhshankar	1.77	1.71	1.77	1.71	1.77	1.71	1.77	1.71	1.77	1.71	1.77	1.71	1.77	1.71	1.77	1.71	1.77	1.71	1.77
14	19MMB014 Kanzariya Twinkal Gopalbhai	2.10	1.71	2.10	1.71	2.10	1.71	2.10	1.71	2.10	1.71	2.10	1.71	2.10	1.71	2.10	1.71	2.10	1.71	2.10
15	19MMB015 Koya Tanmay Chetan	1.52	1.71	1.52	1.71	1.52	1.71	1.52	1.71	1.52	1.71	1.52	1.71	1.52	1.71	1.52	1.71	1.52	1.71	1.52
16	19MMB016 Makhasana Khushbu Rajnibhai	1.65	1.71	1.65	1.71	1.65	1.71	1.65	1.71	1.65	1.71	1.65	1.71	1.65	1.71	1.65	1.71	1.65	1.71	1.65

Graphical Representation of Taxonomy Attainment:

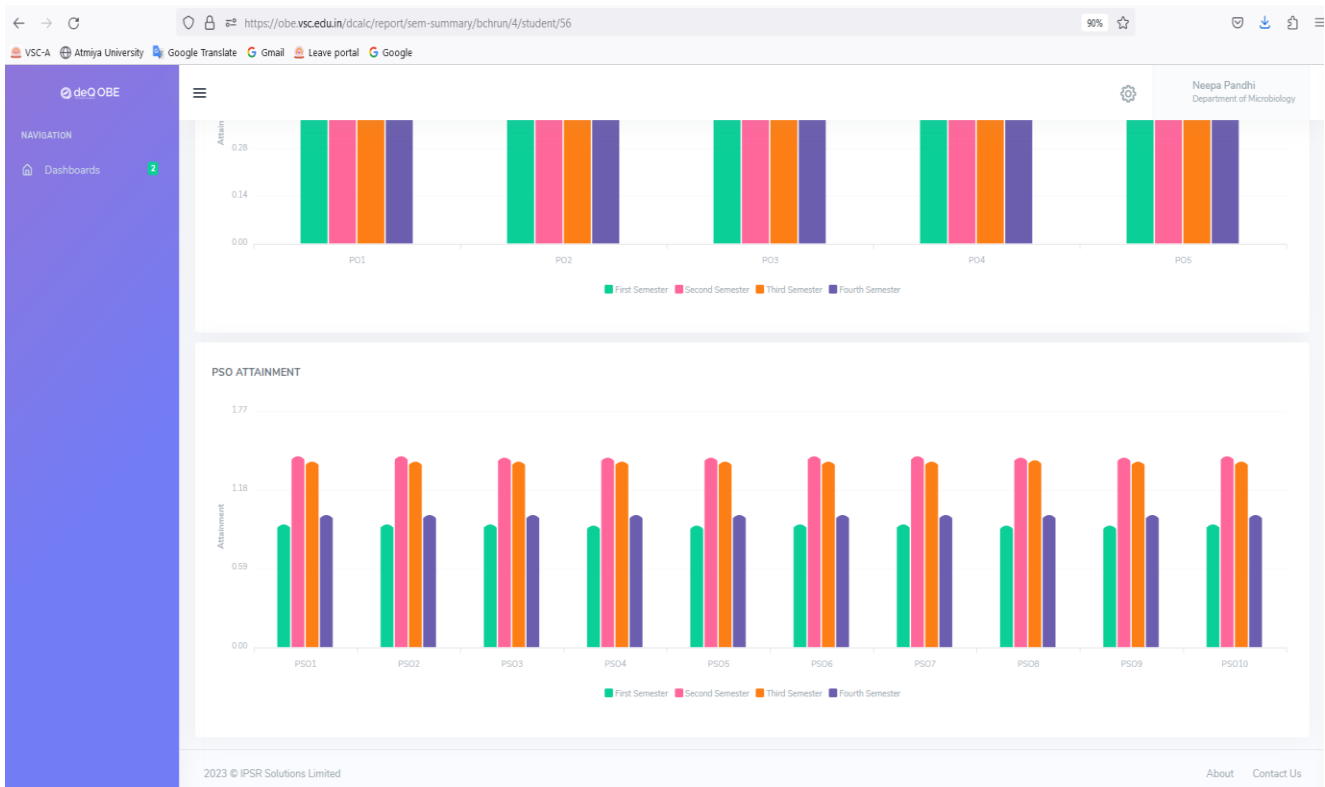




Graphical Representation of PO Attainment:

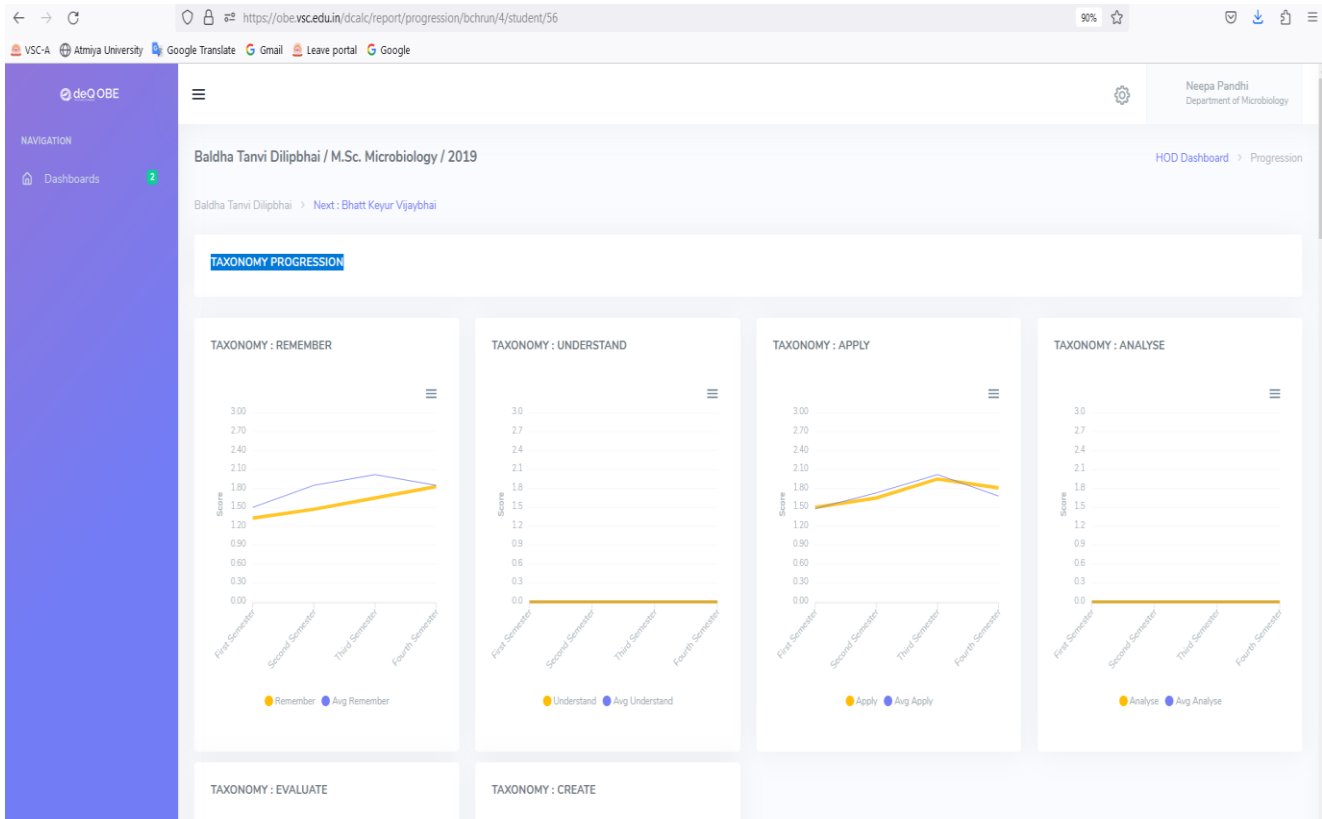


Graphical Representation of PSO Attainment:





Taxonomy Progression:



Programme Outcome Progression:

