

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 :

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Ø deQ OBE	=					\$			eepa Par partment	idhi of Microbiolo	ogy
	2019 M.Sc. Microbiology / First / 2019	/ 19PMBCC101 : Core 1: Biomolecules									
	Course Outcomes	Components	Summary	PO Mapping			P	PSO Ma	pping		
	SL. Code Course Outcome				P0.1	PO.2	PO.3	P0.4	P0.5	Action	
		nalyze concept of biomolecules and biochemical process eractions between molecules in biological systems.	25.						1		
	3 19PMBCC101.3 Evaluate structure				3				1		
	· · · · · · · · · · · · · · · · · · ·	enomenon associated with biomolecules.							2		
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Mapping - CO to PSO :

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Ø <u>deQ</u> OBE	≡										ŝ	>		Pandhi ment of M	i licrobiology
NAVIGATION	2019 M.Sc. Microbiology / F	irst / 2019 / 19PMBCC102 :	Core 2: Microbial Cell B	Biology and Physiology											
	Course Outcomes	Components	Summary	PO Mapping	PSO Mapping		Mark			Attai	inment			Report	
	SL. Code Cours	e Outcome			PS	0.1 PSO.2	PSO.3	PSO.4	PS0.5	PSO.6	PS0.7	PSO.8	PSO.9 P	SO.10	Action
	1 19PMBCC102.1 Demo	nstrate the structures and functions	of cell and sub-cellular organe	elles	3	3	3	3	3	2	2	3	3	2	2
	2 19PMBCC102.2 Inspec	t energy generating mechanisms in	bacteria		з	3	2	3	3	2	3	3	3	1	2
		ating the transport system of bacteri			3	3	1	3	2	2	3	2	2	1	2
		te the adaptation process of microo		ronmental conditions	3		2	3	3	3	3	2	3	1	2
	5 19PMBCC102.5 Summ	arize the aspects of microbial intera	ctions		3	3	2	3	2	3	3	3	2	3	2
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Metric -2.6.2

Sample Report of deQ OBE Software

Attainment of CO - Student wise:

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SC-A 🕀 Atmiya University 🖣	ij Google Translate 🔓 Gmail 🧕 Leave portal 🔓 Google				<u>ې</u>	Neepa Pandhi Department of Microbiology						
						> Consolidation > Stud						
	Previous : Bhimani Hinal Kantibhai > Buddhdev Pinal Dineshbhai > Next : Chhaniyara J	lanki Mavjibhai			First S	Semester > Second Seme						
	COURSES CONSOLIDATION SL Course				CO.1 C	0.2 CO.3 CO.4 CO.5						
	1 2019 / 19PMBCC101 : Core 1: Biomolecules				1.98 1.	.98 1.98 1.94 2.02						
	2 2019 / 19PMBCC102 : Core 2: Microbial Cell Biology and Physiology	1.52 1.	.46 1.52 1.40 1.65									
	3 2019 / 19PMBCC103 : Core 3: Microbial Diversity and Evolution	3 2019 / 19PMBCC103 : Core 3: Microbial Diversity and Evolution										
	4 2019 / 19PMBID101 : DSE-ID 1: Statistical Methods											
	5 2019 / 19PMBID102 : DSE-ID 1: Industrial Instrumentation											
	6 2019 / 19PMBCC104 : Combined Practical (Core) 1: Microbial and Biochemical Te	echniques Practical			1.33 1.	.38 1.33 1.40						
	TAXONOMY PERCENTAGE	TAXONO	MY CONSOLIDATION									
	15.1%	SL	Taxonomy	Attainment	Acc. Avg	Trend						
	15 1.19 26 6%	1	Remember	1.50	1.50	,× ^ĸ Neutral						
		2	Understand	0.00	0.00	* ^e Neutral						
		3	Apply	1.50	1.50	* ^ĸ Neutral						
	44778 13.6%	4	Analyse	0.00	0.00	* Neutral						
		5	Evaluate	1.40	1.40	* Neutral						
		6	Create	1.50	1.50	*Neutral						

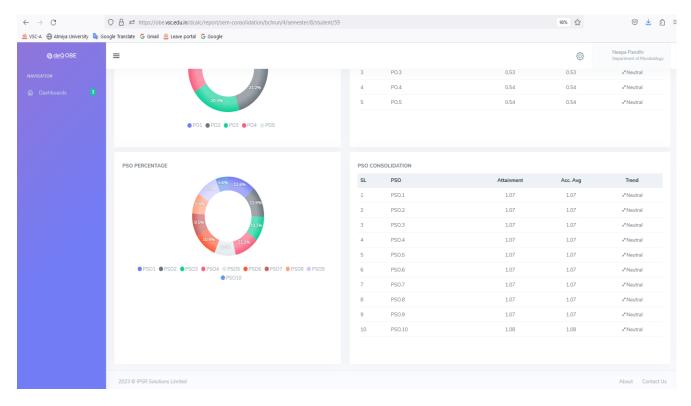
Attainment of PO - Student wise:

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O deQ OBE					Ø	Neepa Pandhi Department of Microbiolog
	PO PERCENTAGE		SOLIDATION			
	1997	SL	PO	Attainment	Acc. Avg	Trend
	242%	1	P0.1	0.54	0.54	* Neutral
		2	PO.2	0.54	0.54	* Neutral
	182%	3	P0.3	0.53	0.53	*Neutral
	21.2%	4	P0.4	0.54	0.54	* Neutral
	20.3%	5	P0.5	0.54	0.54	*Neutral
	PSO PERCENTAGE	PSO CO	NSOLIDATION			
	56% 126%	SL	PSO	Attainment	Acc. Avg	Trend
		1	PSO.1	1.07	1.07	*Neutral
	9.4%	2	PSO.2	1.07	1.07	* Neutral
	9.5%	3	PSO.3	1.07	1.07	*Neutral
	10.4% 11.2%	4	PSO.4	1.07	1.07	* Neutral
	1240.0	5	PS0.5	1.07	1.07	* Neutral
	●PSO1 ●PSO2 ●PSO3 ●PSO4 ●PSO5 ●PSO6 ●PSO7 ●PSO8 ●PSO9	6	PSO.6	1.07	1.07	* Neutral
	PS010	7	PS0.7	1.07	1.07	*Neutral
		8	PSO.8	1.07	1.07	* Neutral
		9	PS0.9	1.07	1.07	* Neutral



Metric -2.6.2

Attainment of PSO - Student wise:



Attainment of CO - Class Average with Student Average:

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	2019 M.Sc. Microbiology / First / 2019 / 19PM			222.14								
	Course Outcome Components	Summary Taxonomy	PO Mapping PO	PSO Mapping		ark PSO		Attainme		Calibrate	Repor	t
	SL Students				CO.1 AVG	CO.2	AVG C	D.3 AVG	CO.4	AVG	C0.5	AVG
	1 19MMB001 Baldha Tanvi Dilipbhai 2 19MMB002 Bhatt Keyur Vijaybhai				l.52 1.71 l.85 1.71	1.46 1.85		52 1.71 85 1.71			1.56 1.85	1.73 1.73
	3 19MMB003 Bhimani Hinal Kantibhai 4 19MMB004 Buddhdev Pinal Dineshbhai				l.77 1.71 l.98 1.71	1.77 1.98		77 1.71 98 1.71			1.81 2.02	1.73
	5 19MMB005 Chhaniyara Janki Mavjibhai 6 19MMB006 Dalsaniya Twinkal Ashwinbhai				L.90 1.71	1.90 1.52		90 1.71 52 1.71			1.90 1.56	1.73
	7 19MMB007 Davda Shreya Vinodbhai 8 19MMB008 Dhiyad Dhara Hareshbhai				L.77 1.71 2.10 1.71	1.77	1.69 1.	77 1.71	1.73	1.68	1.81	1.73
	9 19MMB009 Gadhethariya 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 11 19MMB011 Jobanputra Shreya Nitinbhai				2.10 1.71 1.52 1.71	2.10 1.46		10 1.71 52 1.71			2.10 1.56	1.73
	12 19MMB012 Joshi Pooja Kirankumar 13 19MMB013 Joshi Shivani Labhshankar				l.90 1.71 l.77 1.71	1.90 1.77		90 1.71 77 1.71			1.90 1.81	1.73 1.73
	14 19MMB014 Kanzariya Twinkal Gopalbhai 15 19MMB015 Koya Tanmay Chetan				2.10 1.71 1.52 1.71	2.10 1.52		10 1.71 52 1.71			2.10 1.56	1.73
	16 19MMB016 Makhasana Khushbu Rajnibhai				1.65 1.71	1.65	1.69 1	65 1.71	1.65	1.68	1.65	1.73



Metric -2.6.2

Attainment of Taxonomy - Class Average with Student Average:

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	2019 N	M.Sc. Microbiology /	First / 2019 / 19PMBC	C101 : Core 1: Biomolecules												
	C	ourse Outcomes	Components	Summary	PO Mapping	PS	O Mapping		Mar	k		Attain	iment		Repo	rt
		Course Outco	me	Тахопоту	PO				P	50				Calibrat	e	
	SL	. Students			Remember	AVG	Understand	AVG	Apply	AVG	Analyse	AVG	Evaluate	AVG	Create	AVC
	1	1 19MMB001 Baldha	Tanvi Dilipbhai		2.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	2.00	2.19	2.00	2.5
	2	2 19MMB002 Bhatt K	leyur Vijaybhai		3.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	2.60	2.19	2.00	2.5
	3	3 19MMB003 Bhimar	ni Hinal Kantibhai		3.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	2.00	2.19	3.00	2.5
	4	4 19MMB004 Buddho	dev Pinal Dineshbhai		3.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	2.60	2.19	3.00	2.5
	5	5 19MMB005 Chhani	yara Janki Mavjibhai		3.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	2.40	2.19	3.00	2.5
	6	6 19MMB006 Dalsani	iya Twinkal Ashwinbhai		3.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	1.60	2.19	2.00	2.5
	7	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	2.5
	8	3 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	2.5
	9	9 19MMB009 Gadhet	hariya Priya Hiteshbhai		3.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	2.00	2.19	2.00	2.5
	10	0 19MMB010 Ganjan	i Sagar Kamleshbhai		3.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	3.00	2.19	3.00	2.5
	1	1 19MMB011 Jobanp	utra Shreya Nitinbhai		1.00	2.60	0.00	0.00	2.00	2.88	0.00	0.00	2.40	2.19	3.00	2.5
	13	2 19MMB012 Joshi Pe	ooja Kirankumar		3.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	2.40	2.19	3.00	2.5
	13	3 19MMB013 Joshi Sl	hivani Labhshankar		3.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	2.00	2.19	3.00	2.5
	14	4 19MMB014 Kanzari	iya Twinkal Gopalbhai		3.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	3.00	2.19	3.00	2.5
	1	5 19MMB015 Koya Ta	anmay Chetan		3.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	1.60	2.19	2.00	2.5
	10	6 19MMB016 Makhas	sana Khushbu Rajnibhai		3.00	2.60	0.00	0.00	3.00	2.88	0.00	0.00	2.00	2.19	2.00	2

Attainment of PO - Class Average with Student Average:

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	201				C101 : Core 1: Biomolecu												
		Cours	e Outcomes C	omponents	Summary	PO Mapping		PSO Mapping		Ma	irk		Attain	ment		Rep	ort
			Course Outcome		Taxonomy		РО			I	2SO				Calibra	ite	
		SL	Students					P0.1	AVG	PO.2	AVG	P0.3	AVG	P0.4	AVG	PO.5	AVG
		1	19MMB001 Baldha Tanvi Di	lipbhai				0.76	0.85	0.76	0.85	0.75	0.85	0.75	0.85	0.76	0.85
		2	19MMB002 Bhatt Keyur Vija	iybhai				0.93	0.85	0.93	0.85	0.92	0.85	0.93	0.85	0.92	0.85
		3	19MMB003 Bhimani Hinal K	antibhai				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 Jank	ci Mavjibhai				0.95	0.85	0.95	0.85	0.95	0.85	0.95	0.85	0.95	0.85
		6	19MMB006 Dalsaniya Twink	al 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 V	finodbhai				0.89	0.85	0.89	0.85	0.89	0.85	0.89	0.85	0.89	0.85
		8	19MMB008 Dhiyad Dhara H	areshbhai				1.05	0.85	1.05	0.85	1.05	0.85	1.05	0.85	1.05	0.85
		9	19MMB009 Gadhethariya Pr	riya 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 K	amleshbhai				1.05	0.85	1.05	0.85	1.05	0.85	1.05	0.85	1.05	0.85
		11	19MMB011 Jobanputra Shre					0.76	0.85	0.76	0.85	0.75	0.85	0.75	0.85	0.76	0.85
		12	19MMB012 Joshi Pooja Kira					0.95	0.85	0.95	0.85	0.95	0.85	0.95	0.85	0.95	0.85
		13	19MMB013 Joshi Shivani La					0.89	0.85	0.89	0.85	0.89	0.85	0.89	0.85	0.89	0.85
		14	19MMB014 Kanzariya Twink					0.76	0.85	0.76	0.85	0.76	0.85	0.76	0.85	1.05	0.85
		15	19MMB015 Koya Tanmay Cl								0.85		0.85			0.76	
		16	19MMB016 Makhasana Khu	snou Rajnibhai				0.82	0.85	0.82	0.85	0.83	0.85	0.82	0.85	0.83	0.85

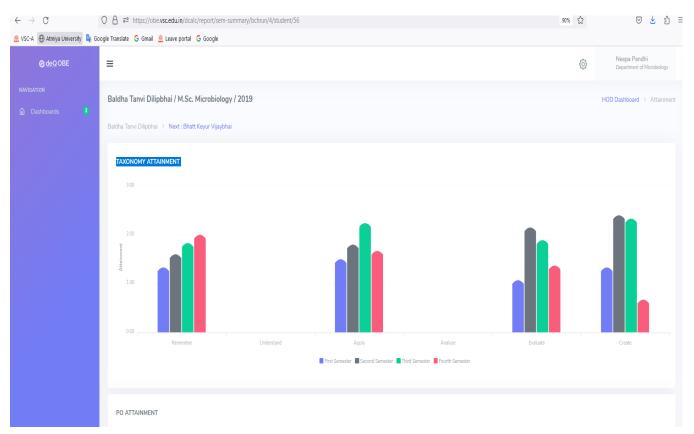


Metric -2.6.2

Attainment of PSO - Class Average with Student Average:

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	20191	M.Sc. Microbiology / F	irst / 2019 / 19PM	IBCC101	· Core	1. Biom	olecules															
				000101			Jiecures															
	С	ourse Outcomes	Components		Sum	mary		PON	lapping		PS	O Mapping	9		Mark			Attainm	ent		Rep	ort
		Course Outcom	e		Taxono	omy				PO					PSO					Calibrate	е	
	SL	Students		PSO.1	AVG	PSO.2	AVG	PSO.3	AVG	PSO.4	AVG	PSO.5	AVG	PSO.6	AVG	PS0.7	AVG	PSO.8	AVG	PSO.9	AVG	PSO.
	1	19MMB001 Baldha Tar	ivi 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	1.5
	2	19MMB002 Bhatt Keyu	r 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	1.8
	3	19MMB003 Bhimani H	nal 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.
	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	1.9
	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	1.9
	6	19MMB006 Dalsaniya	Fwinkal 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.
	7	19MMB007 Davda Shr	eya 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.
	8	19MMB008 Dhiyad Dh	ara Hareshbhai	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.
	9	19MMB009 Gadhethar	ya 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.
	10) 19MMB010 Ganjani Sa	gar 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	2.3
	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	1.9
	12	2 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	1.9
	13			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	1.3
	14	,		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.:
	15	5 19MMB015 Koya Tanm	ay 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	1.5

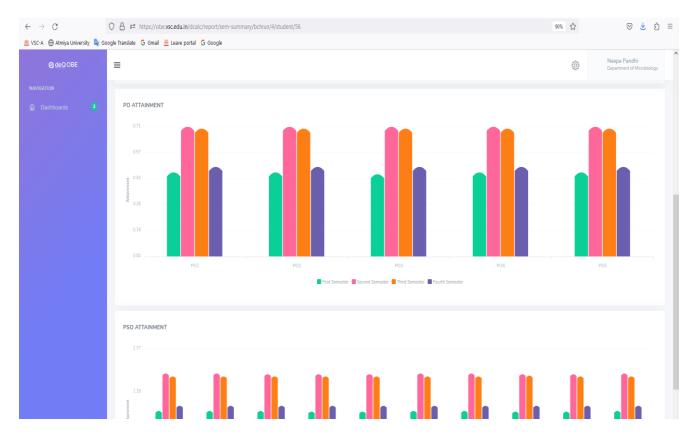
Graphical Representation of Taxonomy Attainment:



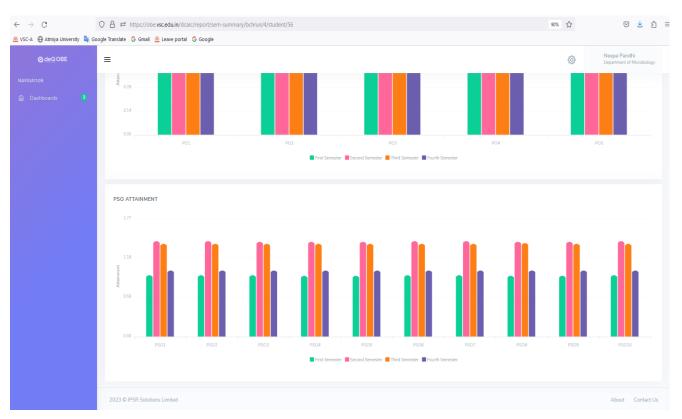


Metric -2.6.2

Graphical Representation of PO Attainment:



Graphical Representation of PSO Attainment:





Metric -2.6.2

Taxonomy Progression:

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Ø deΩ OBE	≡			Neepa Pandhi Department of Microbiology
NAVIGATION	Baldha Tanvi Dilipbhai / M.Sc. Microbiology / 201	9		HOD Dashboard > Progression
	Baldha Tanvi Dilipbhai 🔸 Next : Bhatt Keyur Vijaybhai			
	TAXONOMY PROGRESSION			
	TAXONOMY : REMEMBER	TAXONOMY : UNDERSTAND	TAXONOMY : APPLY	TAXONOMY : ANALYSE
	e Remember @ Ang Remember	Bandard Control Contro	ender and the second se	Market & Arg Analyse
	TAXONOMY : EVALUATE	TAXONOMY : CREATE		

Programme Outcome Progression:

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🤷 VSC-A ⊕ Atmiya University 💁 G	ioogle Translate 🔓 Gmail 🧕 Leave portal 🌀 Google				
Ø deQ OBE	=	<i>5</i>		¢	Neepa Pandhi Department of Microbiology
NAVIGATION	Evaluate Aug Evaluate	Create . 4 Aug Create			
	PROGRAMME OUTCOME PROGRESSION				
	PO.1 : DEPTH AND BREADTH OF KNOWLEDGE	PO.2 : PRACTICE, OPERATION AND USAGE OF MODERN TOOLS AND TECHNOLOGY	PO.3 : RESEARCH, NUMERACY AND SCHOLARSHIP	PO.4 : PROFESSION PASSION OF LEARN CAPACITY AND PAS	INGPROFESSIONAL
	300 270 280 280 180 190 190 000 000 000 000 000 000 000 00	PD2 @ Arg PD2	e PO3 @ Arg PO3	300 270 210 150 150 120 050 050 050 050 050 050 050 050 050 0	H BagPol
	P0.5 : GLOBAL, MORAL AND AESTHETIC SUSTAINABILITY				