



Re-Accredited 'B++' 2.86 CGPA by NAAC

VEER NARMAD SOUTH GUJARAT UNIVERSITY

University Campus, Udhna-Magdalla Road, SURAT - 395 007, Gujarat, India.

વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી

યુનિવર્સિટી કેમ્પસ, ઉધના-મગદલા રોડ, સુરત - ૩૯૫ ૦૦૭, ગુજરાત, ભારત.

Tel : +91 - 261 - 2227141 to 2227146, Toll Free : 1800 2333 011, Digital Helpline No.- 0261 2388888

E-mail : info@vnsgu.ac.in, Website : www.vnsgu.ac.in

Department of Biotechnology

No. Biotech/20242071/2024

Date: 27/02/2024

Program offered

- M. Sc. Integrated Biotechnology
- B.Sc. Microbiology
- P. G. Diploma in Molecular and Biochemical Technology

Minutes

The meeting of the faculty members of Department of Biotechnology was held in the Auditorium of the department on 5th February, 2024 at 2: 30pm respectively. One of the agenda of this meeting was to analyse the following feedback report on curriculum for the Academic Year 2022-2023 and to decide the plan of action required.

- Students Feedback Analysis
- Faculty Feedback Analysis
- Alumni Feedback Analysis
- Employer Feedback Analysis



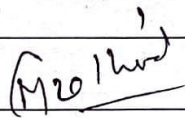
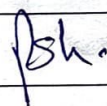
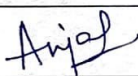
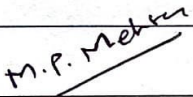


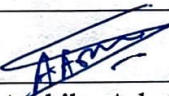
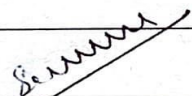
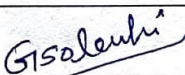
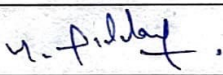

The attendance of the members of the faculty of the department at the said meeting was as follows:

Faculty	Designation	Present/Absent
Dr. Gaurav Shah	Assistant Professor and Coordinator	Present
Dr. Rekha Ghadvi	Assistant Professor	Present
Dr. Mayuri Rathod	Assistant Professor	Present
Dr. Preeti Sharma	Assistant Professor	Present
Dr. Anjali Soni	Assistant Professor	Present
Dr. Mansi Mehta	Assistant Professor (Contractual)	Present
Mrs. Tanvi Tamakuwala	Teaching Assistant (Contractual)	Present
Dr. Chirag Prajapati	Assistant Professor (Contractual)	Present
Dr. Ambika Arkatkar	Assistant Professor (Contractual)	Present
Dr. Mihir Sarang	Assistant Professor (Contractual)	Present
Dr. Gayatri Solanki	Assistant Professor (Contractual)	Present
Mr. Saddam Musani	Assistant Professor (Contractual)	Present
Mr. Milan Patel	Assistant Professor (Contractual)	Present


After analysis of feedback received from various stakeholders, it is found that overall satisfaction is observed among students, teachers and alumni. The most positive outcome is found to be regarding suitability of syllabus, to achieve the outcome of various courses, which is one of the prime requirements of any educational institute.

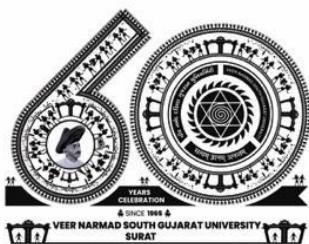
With reference to effective implementation of National Educational Policy (NEP) 2020, following plan of action shall be initiated:

- To further revise and enrich syllabus content
- To introduce new elective courses on development of additional skills fulfilling requirements for Biopharma sector.
- Integrating conventional teaching with participative learning using optimum use of ICT and other teaching aids.

			
Dr. Gaurav Shah	Dr. Rekha Gadhvi	Dr. Mayuri Rathod	Dr. Preeti Sharma
			
Dr. Anjali Soni	Dr. Mansi Mehta	Ms. Tanvi Tamakuwala	Dr. Chirag Prajapati
			
Dr. Ambika Arkatkar	Dr. Mihir Sarang	Dr. Gayatri Solanki	Mr. Saddam Musani
			
Mr. Milan Patel			

- Annexure 1: Students Feedback Analysis
- Annexure 2: Faculty Feedback Analysis
- Annexure 3: Alumni Feedback Analysis
- Annexure 4: Employer Feedback Analysis


 Coordinator
 Department of Biotechnology
 Veer Narmad South Gujarat University
 Surat



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Annexure 1: Students Feedback Analysis

Department of Biotechnology

Feedback received from Students

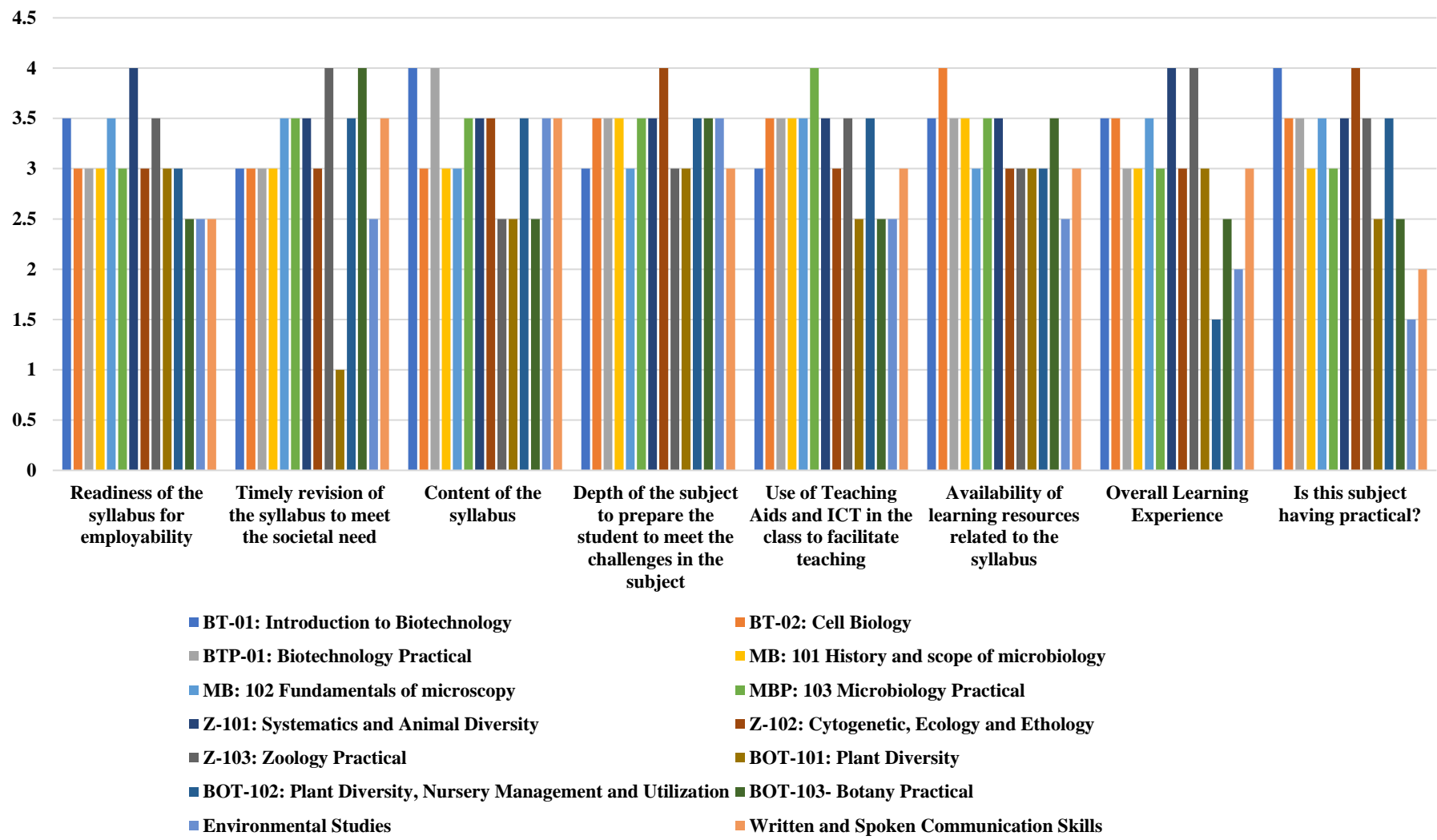
Academic Year 2022-2023

Semester -1 to 10 (Biotechnology)

Semester - 1 Biotechnology Feedback Data Table and Graphs (Score out of 5)

Sr. No.		Readiness of the syllabus for employability	Timely revision of the syllabus to meet the societal need	Content of the syllabus	Depth of the subject to prepare the student to meet the challenges in the subject	Use of Teaching Aids and ICT in the class to facilitate teaching	Availability of learning resources related to the syllabus	Overall Learning Experience	Is this subject having practical?
	Academic Year 2022-2023 Semester - 1								
1	BT-01: Introduction to Biotechnology	3.5	3	4	3	3	3.5	3.5	4
2	BT-02: Cell Biology	3	3	3	3.5	3.5	4	3.5	3.5
3	BTP-01: Biotechnology Practical	3	3	4	3.5	3.5	3.5	3	3.5
4	MB: 101 History and scope of microbiology	3	3	3	3.5	3.5	3.5	3	3
5	MB: 102 Fundamentals of microscopy	3.5	3.5	3	3	3.5	3	3.5	3.5
6	MBP: 103 Microbiology Practical	3	3.5	3.5	3.5	4	3.5	3	3
7	Z-101: Systematics and Animal Diversity	4	3.5	3.5	3.5	3.5	3.5	4	3.5
8	Z-102: Cytogenetic, Ecology and Ethology	3	3	3.5	4	3	3	3	4
9	Z-103: Zoology Practical	3.5	4	2.5	3	3.5	3	4	3.5
10	BOT-101: Plant Diversity	3	1	2.5	3	2.5	3	3	2.5
11	BOT-102: Plant Diversity, Nursery Management and Utilization	3	3.5	3.5	3.5	3.5	3	1.5	3.5
12	BOT-103- Botany Practical	2.5	4	2.5	3.5	2.5	3.5	2.5	2.5
13	Environmental Studies	2.5	2.5	3.5	3.5	2.5	2.5	2	1.5
14	Written and Spoken Communication Skills	2.5	3.5	3.5	3	3	3	3	2

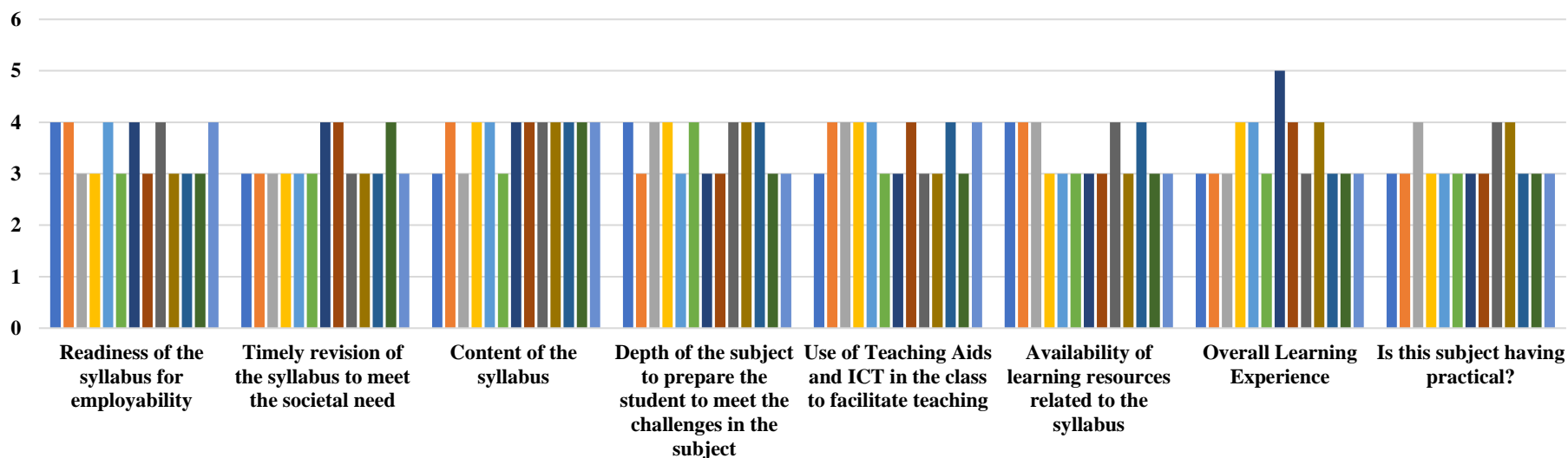
Semester - 1 Biotechnology Feedback data Table and Graphs (Score out of 5)



Semester - 2 Biotechnology Feedback Data Table and Graphs (Score out of 5)

Sr. No.	Academic Year 2022-2023 Semester - 2	Readiness of the syllabus for employability	Timely revision of the syllabus to meet the societal need	Content of the syllabus	Depth of the subject to prepare the student to meet the challenges in the subject	Use of Teaching Aids and ICT in the class to facilitate teaching	Availability of learning resources related to the syllabus	Overall Learning Experience	Is this subject having practical?
1	BT-03: Basic Biochemistry	4	3	3	4	3	4	3	3
2	BT-04: Fundamentals of Genetics	4	3	4	3	4	4	3	3
3	BTP-02: Biotechnology Practical	3	3	3	4	4	4	3	4
4	MB-201: Procaryotic and archaeal cell structure	3	3	4	4	4	3	4	3
5	MB-202: Nutrition and growth of bacteria	4	3	4	3	4	3	4	3
6	MBP-203: Microbiology Practical	3	3	3	4	3	3	3	3
7	Z-201: Comparative Anatomy of Chordates, Applied Zoology, Wildlife Biology	4	4	4	3	3	3	5	3
8	Z-202: Nutrition and Growth of Bacteria	3	4	4	3	4	3	4	3
9	Z-203: Zoology Practical	4	3	4	4	3	4	3	4
10	BOT-201: Plant Physiology, Plant Ecology, Plant Anatomy, Medicinal Plants and Plant Pathology	3	3	4	4	3	3	4	4
11	BOT-202: Plant Diversity and weed Management	3	3	4	4	4	4	3	3
12	Environmental Studies	3	4	4	3	3	3	3	3
13	Written and Spoken Communication Skills	4	3	4	3	4	3	3	3

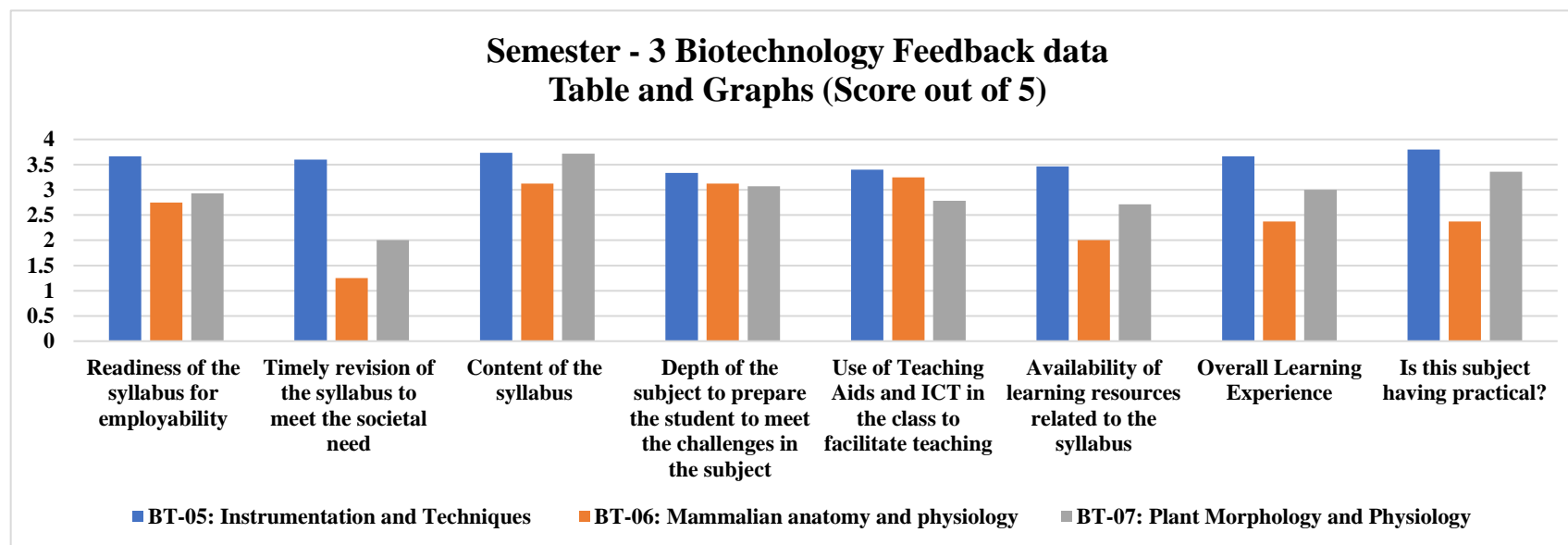
Semester - 2 Biotechnology Feedback data Table and Graphs (Score out of 5)



- BT-03: Basic Biochemistry
- BT-04: Fundamentals of Genetics
- BTP-02: Biotechnology Practical
- MB-201: Procaryotic and archaeal cell structure
- MB-202: Nutrition and growth of bacteria
- MBP-203: Microbiology Practical
- Z-201: Comparative Anatomy of Chordates, Applied Zoology, Wildlife Biology
- Z-202: Nutrition and Growth of Bacteria
- Z-203: Zoology Practical
- BOT-201: Plant Physiology, Plant Ecology, Plant Anatomy, Medicinal Plants and Plant Pathology
- BOT-202: Plant Diversity and weed Management
- Environmental Studies
- Written and Spoken Communication Skills

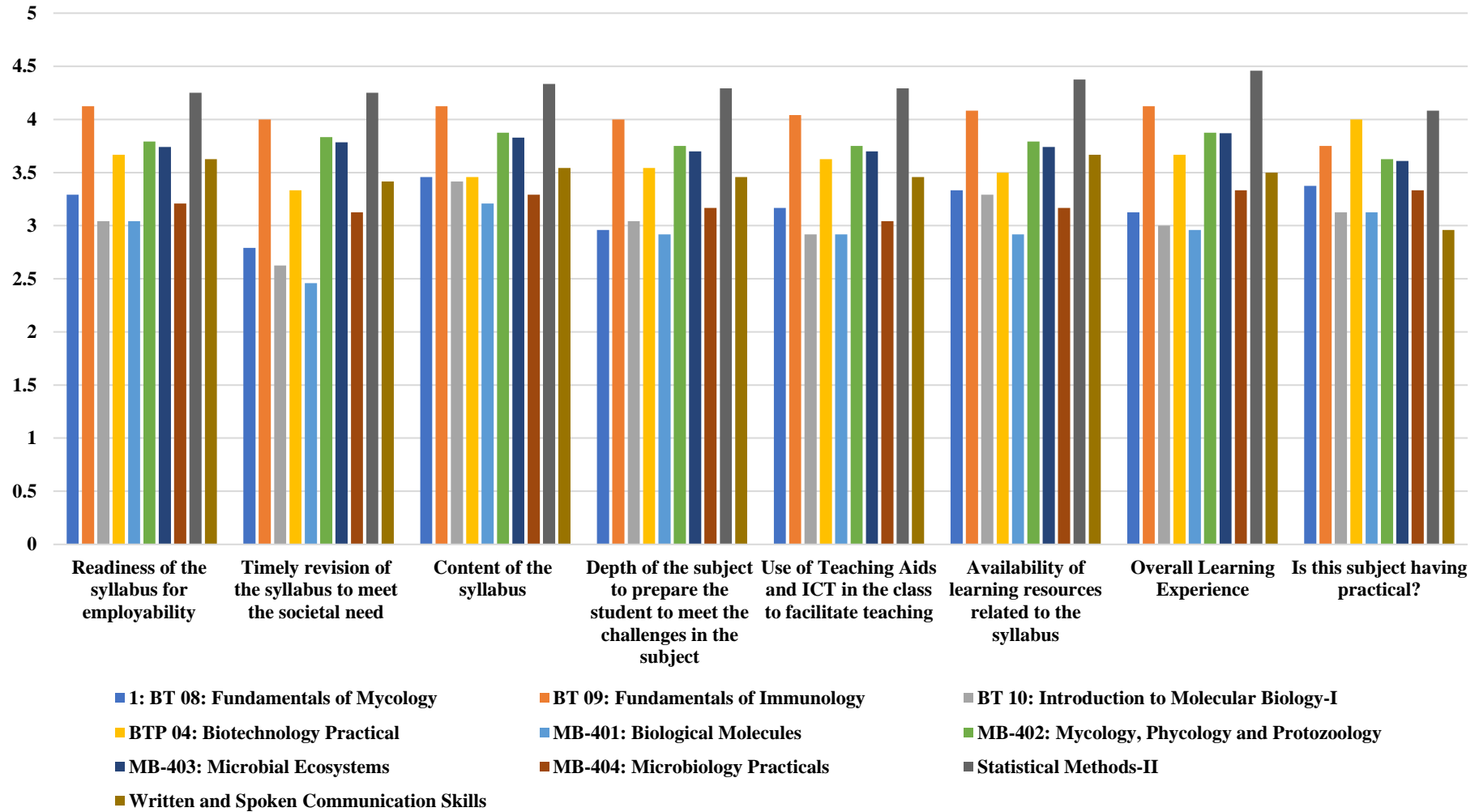
Semester - 3 Biotechnology Feedback Data Table and Graphs (Score out of 5)

Sr. No.	Academic Year 2022-2023 Semester - 3	Readiness of the syllabus for employability	Timely revision of the syllabus to meet the societal need	Content of the syllabus	Depth of the subject to prepare the student to meet the challenges in the subject	Use of Teaching Aids and ICT in the class to facilitate teaching	Availability of learning resources related to the syllabus	Overall Learning Experience	Is this subject having practical ?
1	BT-05: Instrumentation and Techniques	3.666667	3.6	3.733333	3.333333	3.4	3.466667	3.666667	3.8
2	BT-06: Mammalian anatomy and physiology	2.75	1.25	3.125	3.125	3.25	2	2.375	2.375
3	BT-07: Plant Morphology and Physiology	2.928571	2	3.71428	3.071429	2.785714	2.714286	3	3.357143



Semester - 4 Biotechnology Feedback Data Table and Graphs (Score out of 5)									
Sr. No.	Academic Year 2022-2023 Semester - 4	Readiness of the syllabus for employability	Timely revision of the syllabus to meet the societal need	Content of the syllabus	Depth of the subject to prepare the student to meet the challenges in the subject	Use of Teaching Aids and ICT in the class to facilitate teaching	Availability of learning resources related to the syllabus	Overall Learning Experience	Is this subject having practical ?
1	1: BT 08: Fundamentals of Mycology	3.291667	2.791667	3.458333	2.958333	3.166667	3.333333	3.125	3.375
2	BT 09: Fundamentals of Immunology	4.125	4	4.125	4	4.041667	4.083333	4.125	3.75
3	BT 10: Introduction to Molecular Biology-I	3.041667	2.625	3.416667	3.041667	2.916667	3.291667	3	3.125
4	BTP 04: Biotechnology Practical	3.666667	3.333333	3.458333	3.541667	3.625	3.5	3.666667	4
5	MB-401: Biological Molecules	3.041667	2.458333	3.208333	2.916667	2.916667	2.916667	2.958333	3.125
6	MB-402: Mycology, Phycology and Protozoology	3.791667	3.833333	3.875	3.75	3.75	3.791667	3.875	3.625
7	MB-403: Microbial Ecosystems	3.741319	3.784722	3.828125	3.697917	3.697917	3.741319	3.869792	3.609375
8	MB-404: Microbiology Practical's	3.208333	3.125	3.291667	3.166667	3.041667	3.166667	3.333333	3.333333
9	Statistical Methods-II	4.25	4.25	4.333333	4.291667	4.291667	4.375	4.458333	4.083333
10	Written and Spoken Communication Skills	3.625	3.416667	3.541667	3.458333	3.458333	3.666667	3.5	2.958333

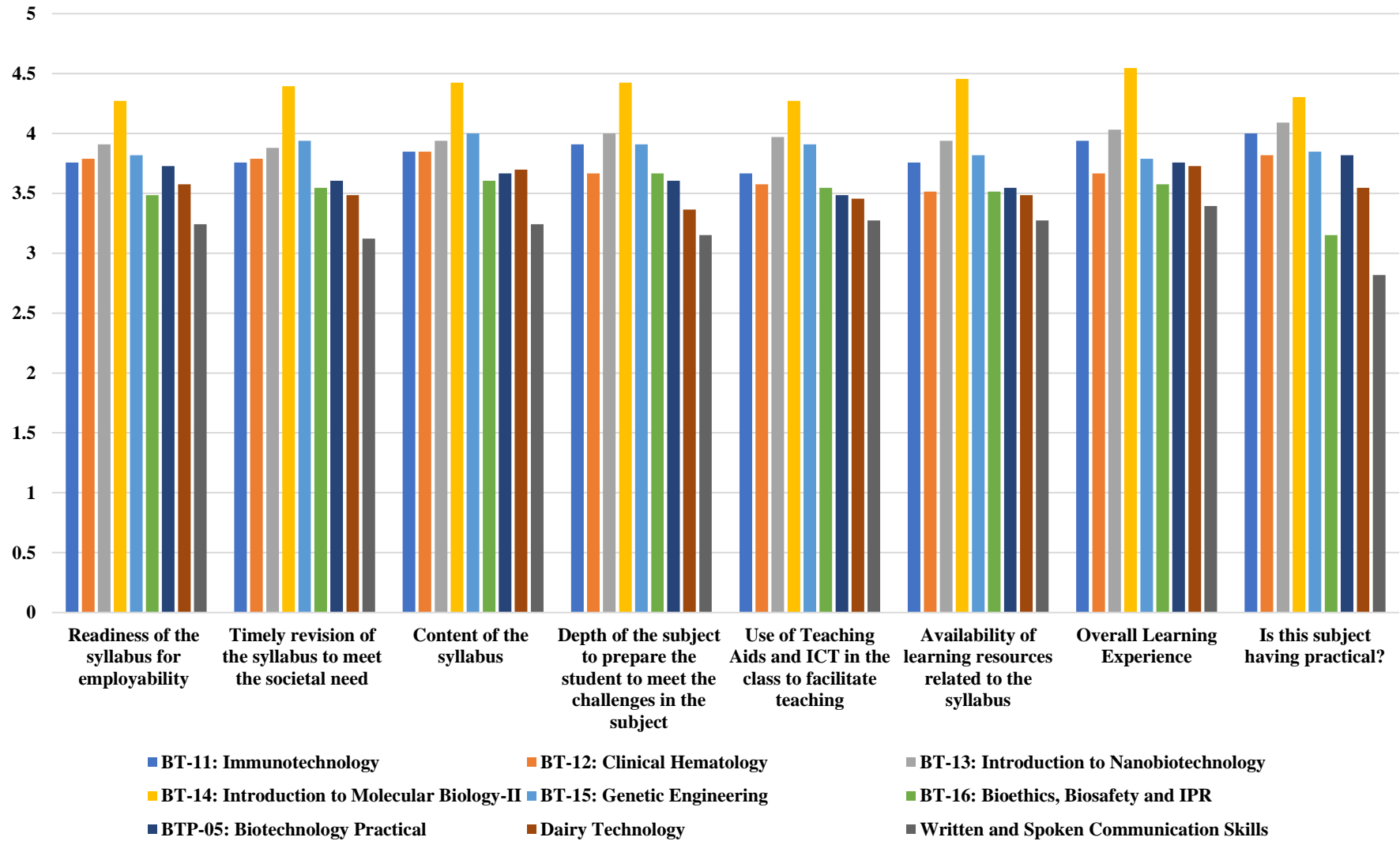
**Semester - 4 Biotechnology Feedback data
Table and Graphs (Score out of 5)**



Semester - 5 Biotechnology Feedback Data Table and Graphs (Score out of 5)

Sr. No.	Academic Year 2022-2023(Semester 5)	Readiness of the syllabus for employability	Timely revision of the syllabus to meet the societal need	Content of the syllabus	Depth of the subject to prepare the student to meet the challenges in the subject	Use of Teaching Aids and ICT in the class to facilitate teaching	Availability of learning resources related to the syllabus	Overall Learning Experience	Is this subject having practical ?
1	BT-11: Immunotechnology	3.75758	3.75758	3.84 848	3.90909	3.66667	3.75758	3.9394	4
2	BT-12: Clinical Hematology	3.78788	3.78788	3.84 848	3.66667	3.57576	3.51515	3.6667	3.8182
3	BT-13: Introduction to Nanobiotechnology	3.90909	3.87879	3.93 939	4	3.9697	3.93939	4.0303	4.0909
4	BT-14: Introduction to Molecular Biology-II	4.27273	4.39394	4.42 424	4.42424	4.27273	4.45455	4.5455	4.303
5	BT-15: Genetic Engineering	3.81818	3.93939	4	3.90909	3.90909	3.81818	3.7879	3.8485
6	BT-16: Bioethics, Biosafety and IPR	3.48485	3.54545	3.60 606	3.66667	3.54545	3.51515	3.5758	3.1515
7	BTP-05: Biotechnology Practical	3.72727	3.60606	3.66 667	3.60606	3.48485	3.54545	3.7576	3.8182
8	Dairy Technology	3.57576	3.48485	3.69 697	3.36364	3.45455	3.48485	3.7273	3.5455
9	Written and Spoken Communication Skills	3.24242	3.12121	3.24 242	3.15152	3.27273	3.27273	3.3939	2.8182

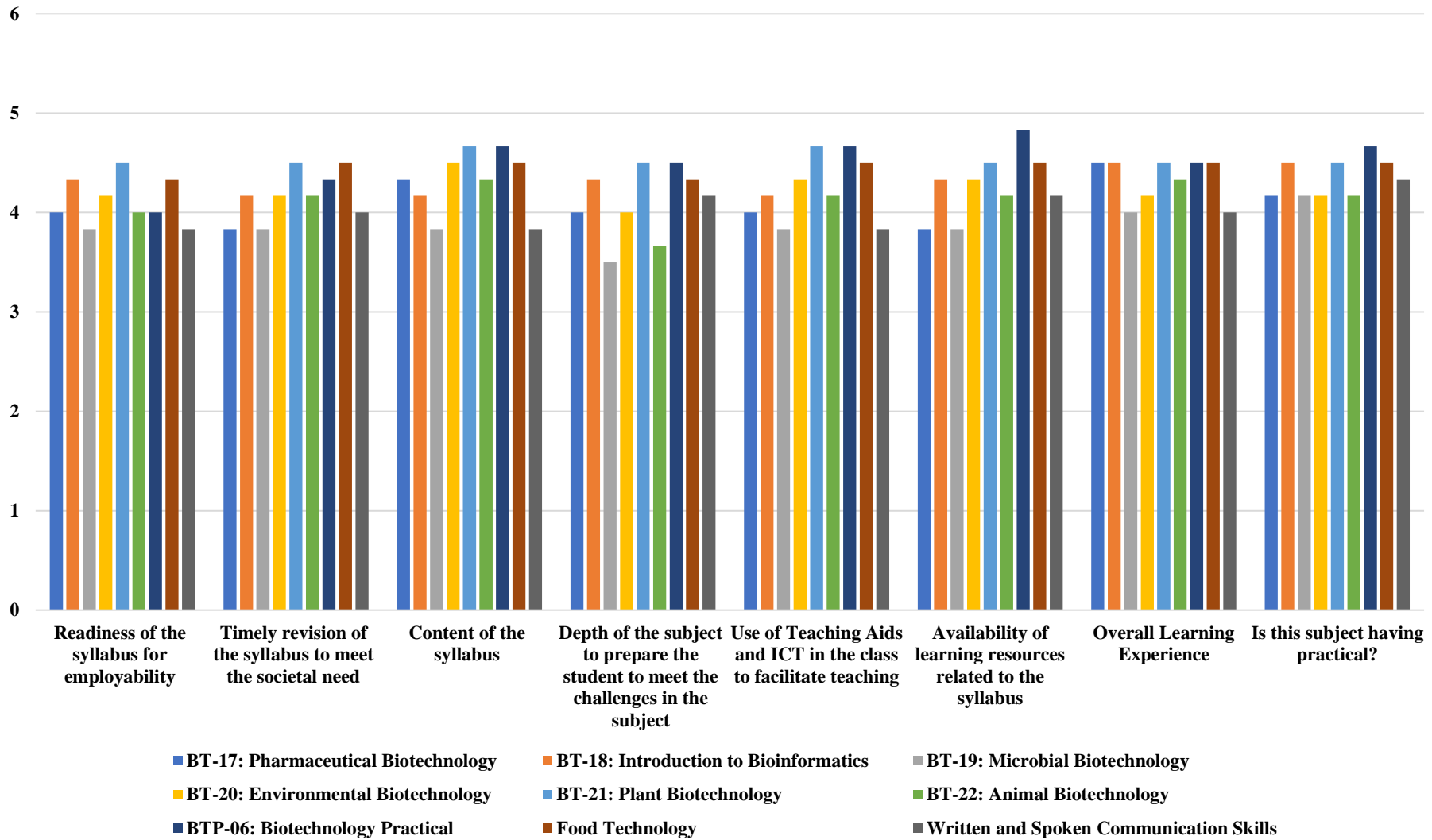
**Semester - 5 Biotechnology Feedback data
Table and Graphs (Score out of 5)**



Semester - 6 Biotechnology Feedback Data Table and Graphs (Score out of 5)

Sr. No.	Academic Year 2022-2023(Semester 6)	Readiness of the syllabus for employability	Timely revision of the syllabus to meet the societal need	Content of the syllabus	Depth of the subject to prepare the student to meet the challenges in the subject	Use of Teaching Aids and ICT in the class to facilitate teaching	Availability of learning resources related to the syllabus	Overall Learning Experience	Is this subject having practical ?
1	BT-17: Pharmaceutical Biotechnology	4	3.83333	4.33333	4	4	3.83333	4.5	4.16667
2	BT-18: Introduction to Bioinformatics	4.33333	4.16667	4.16667	4.33333	4.16667	4.33333	4.5	4.5
3	BT-19: Microbial Biotechnology	3.83333	3.83333	3.83333	3.5	3.83333	3.83333	4	4.16667
4	BT-20: Environmental Biotechnology	4.16667	4.16667	4.5	4	4.33333	4.33333	4.16667	4.16667
5	BT-21: Plant Biotechnology	4.5	4.5	4.66667	4.5	4.66667	4.5	4.5	4.5
6	BT-22: Animal Biotechnology	4	4.16667	4.33333	3.66667	4.16667	4.16667	4.33333	4.16667
7	BTP-06: Biotechnology Practical	4	4.33333	4.66667	4.5	4.66667	4.83333	4.5	4.66667
8	Food Technology	4.33333	4.5	4.5	4.33333	4.5	4.5	4.5	4.5
9	Written and Spoken Communication Skills	3.83333	4	3.83333	4.16667	3.83333	4.16667	4	4.33333

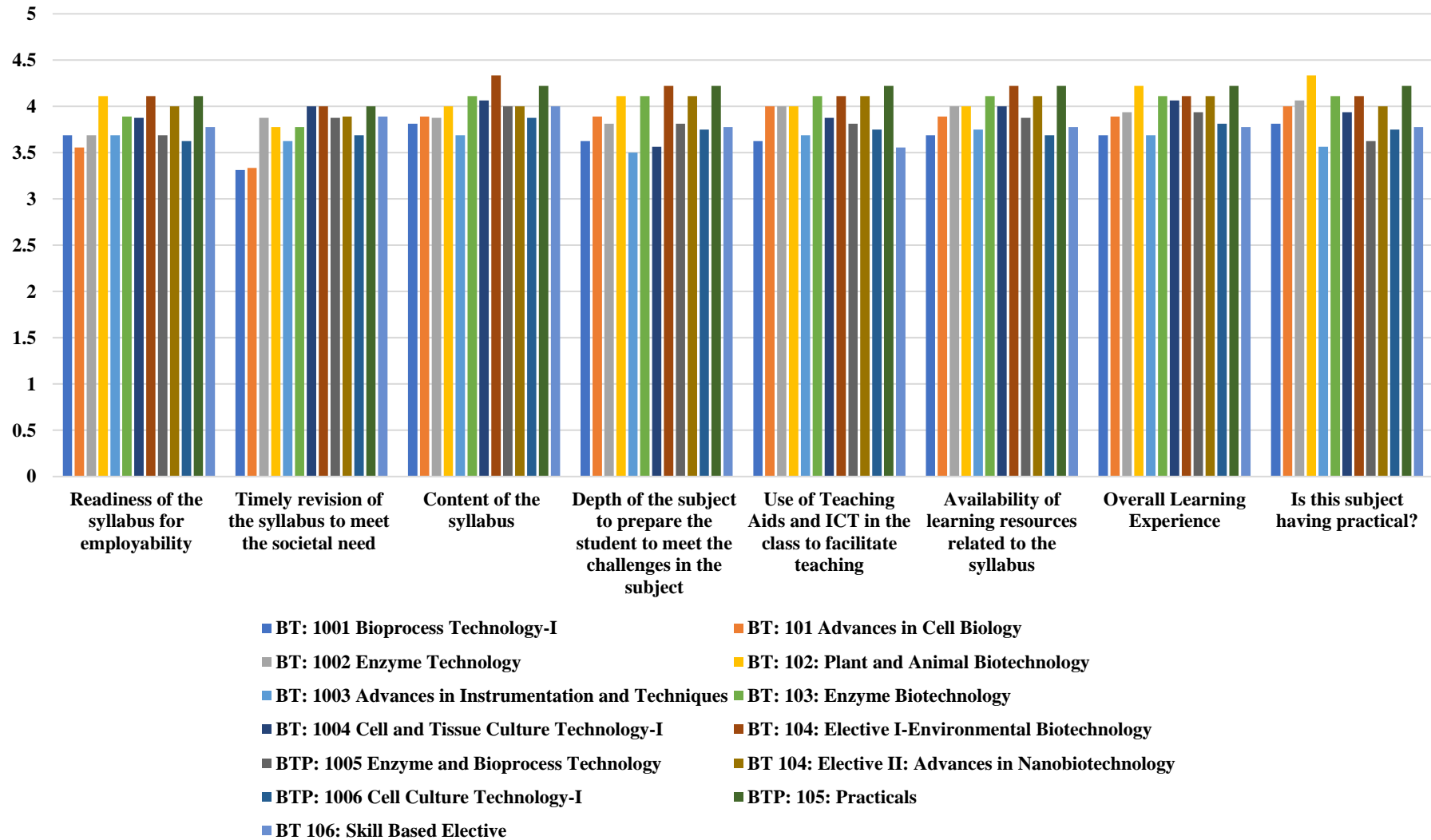
Semester - 6 Biotechnology Feedback data Table and Graphs (Score out of 5)



Semester - 7 Biotechnology Feedback Data Table and Graphs (Score out of 5)

Sr. No.	Academic Year 2022-2023(Semester 7)	Readiness of the syllabus for employability	Timely revision of the syllabus to meet the societal need	Content of the syllabus	Depth of the subject to prepare the student to meet the challenges in the subject	Use of Teaching Aids and ICT in the class to facilitate teaching	Availability of learning resources related to the syllabus	Overall Learning Experience	Is this subject having practical?
1	BT: 1001 Bioprocess Technology-I	3.6875	3.3125	3.8125	3.625	3.625	3.6875	3.6875	3.8125
2	BT: 101 Advances in Cell Biology	3.555556	3.333333	3.888889	3.888889	4	3.888889	3.888889	4
3	BT: 1002 Enzyme Technology	3.6875	3.875	3.875	3.8125	4	4	3.9375	4.0625
4	BT: 102: Plant and Animal Biotechnology	4.111111	3.777778	4	4.111111	4	4	4.222222	4.333333
5	BT: 1003 Advances in Instrumentation and Techniques	3.6875	3.625	3.6875	3.5	3.6875	3.75	3.6875	3.5625
6	BT: 103: Enzyme Biotechnology	3.888889	3.777778	4.111111	4.111111	4.111111	4.111111	4.111111	4.111111
7	BT: 1004 Cell and Tissue Culture Technology-I	3.875	4	4.0625	3.5625	3.875	4	4.0625	3.9375
8	BT: 104: Elective I-Environmental Biotechnology	4.111111	4	4.333333	4.222222	4.111111	4.222222	4.111111	4.111111
9	BTP: 1005 Enzyme and Bioprocess Technology	3.6875	3.875	4	3.8125	3.8125	3.875	3.9375	3.625
10	BT 104: Elective II: Advances in Nanobiotechnology	4	3.888889	4	4.111111	4.111111	4.111111	4.111111	4
11	BTP: 1006 Cell Culture Technology-I	3.625	3.6875	3.875	3.75	3.75	3.6875	3.8125	3.75
12	BTP: 105: Practical's	4.111111	4	4.222222	4.222222	4.222222	4.222222	4.222222	4.222222
13	BT 106: Skill Based Elective	3.777778	3.888889	4	3.777778	3.555556	3.777778	3.777778	3.777778

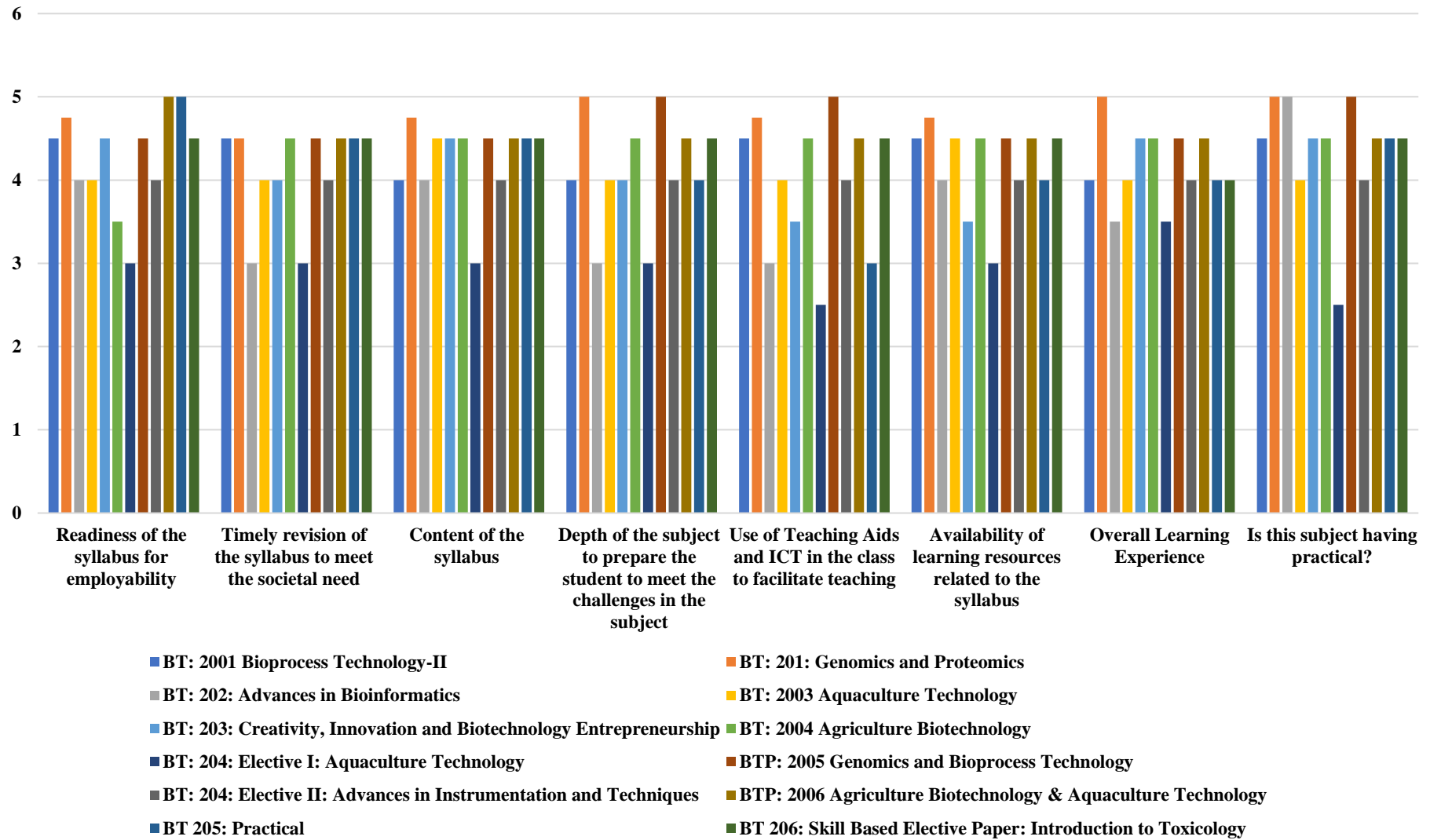
Semester - 7 Biotechnology Feedback data Table and Graphs (Score out of 5)



Semester - 8 Biotechnology Feedback Data Table and Graphs (Score out of 5)

Sr. No.	Academic Year 2022-2023(Semester-8)	Readiness of the syllabus for employability	Timely revision of the syllabus to meet the societal need	Content of the syllabus	Depth of the subject to prepare the student to meet the challenges in the subject	Use of Teaching Aids and ICT in the class to facilitate teaching	Availability of learning resources related to the syllabus	Overall Learning Experience	Is this subject having practical?
1	BT: 2001 Bioprocess Technology-II	4.5	4.5	4	4	4.5	4.5	4	4.5
2	BT: 201: Genomics and Proteomics	4.75	4.5	4.75	5	4.75	4.75	5	5
3	BT: 202: Advances in Bioinformatics	4	3	4	3	3	4	3.5	5
4	BT: 2003 Aquaculture Technology	4	4	4.5	4	4	4.5	4	4
5	BT: 203: Creativity, Innovation and Biotechnology Entrepreneurship	4.5	4	4.5	4	3.5	3.5	4.5	4.5
6	BT: 2004 Agriculture Biotechnology	3.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
7	BT: 204: Elective I: Aquaculture Technology	3	3	3	3	2.5	3	3.5	2.5
8	BTP: 2005 Genomics and Bioprocess Technology	4.5	4.5	4.5	5	5	4.5	4.5	5
9	BT: 204: Elective II: Advances in Instrumentation and Techniques	4	4	4	4	4	4	4	4
10	BTP: 2006 Agriculture Biotechnology & Aquaculture Technology	5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
11	BT 205: Practical	5	4.5	4.5	4	3	4	4	4.5
12	BT 206: Skill Based Elective Paper: Introduction to Toxicology	4.5	4.5	4.5	4.5	4.5	4.5	4	4.5

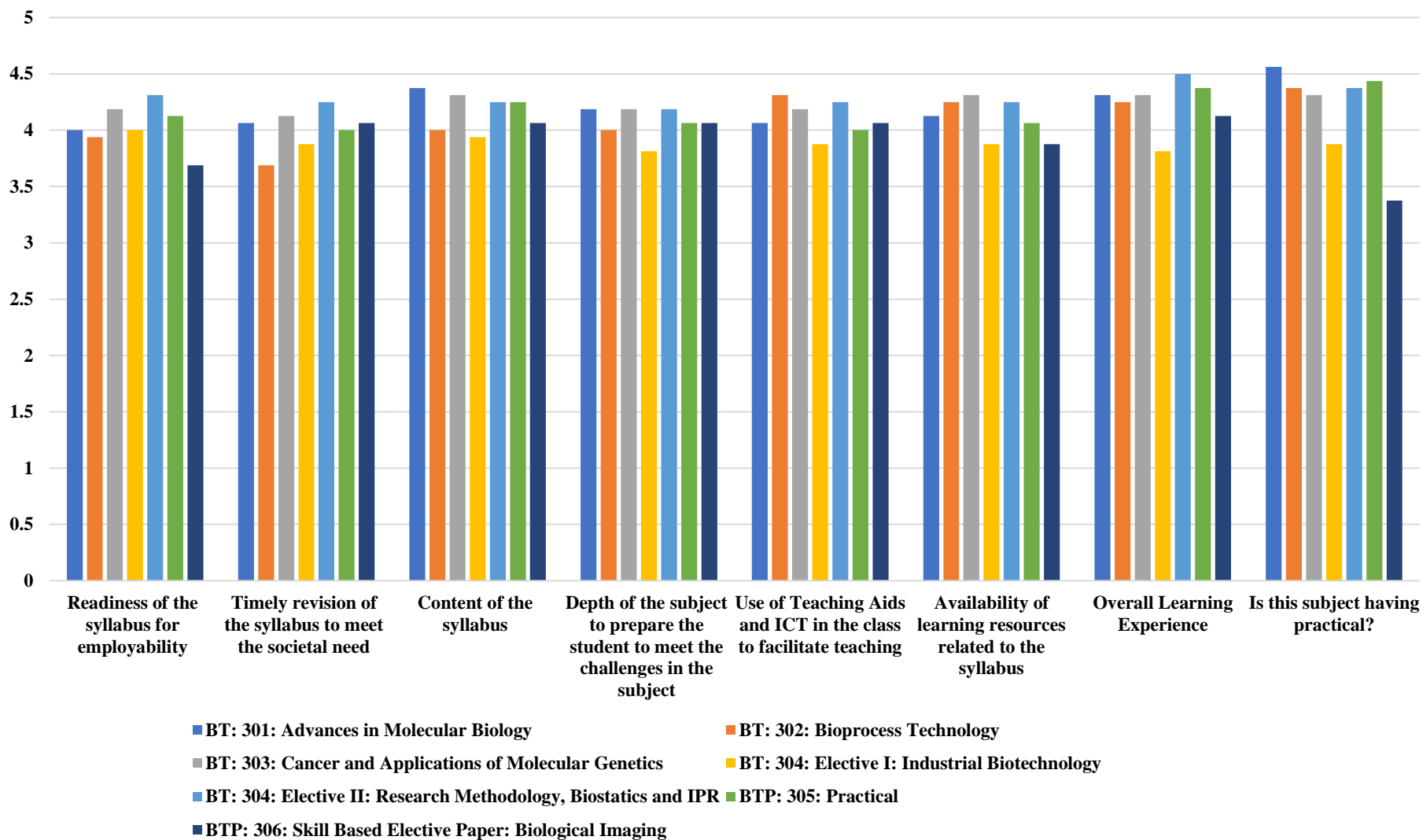
Semester - 8 Biotechnology Feedback data Table and Graphs (Score out of 5)



Semester - 9 Biotechnology Feedback Data Table and Graphs (Score out of 5)

Sr. No.	Academic year 2022-2023 Semester - 9	Readiness of the syllabus for employability	Timely revision of the syllabus to meet the societal need	Content of the syllabus	Depth of the subject to prepare the student to meet the challenges in the subject	Use of Teaching Aids and ICT in the class to facilitate teaching	Availability of learning resources related to the syllabus	Overall Learning Experience	Is this subject having practical ?
1	BT: 301: Advances in Molecular Biology	4	4.0625	4.375	4.1875	4.0625	4.125	4.3125	4.5625
2	BT: 302: Bioprocess Technology	3.9375	3.6875	4	4	4.3125	4.25	4.25	4.375
3	BT: 303: Cancer and Applications of Molecular Genetics	4.1875	4.125	4.3125	4.1875	4.1875	4.3125	4.3125	4.3125
4	BT: 304: Elective I: Industrial Biotechnology	4	3.875	3.9375	3.8125	3.875	3.875	3.8125	3.875
5	BT: 304: Elective II: Research Methodology, Biostatistics and IPR	4.3125	4.25	4.25	4.1875	4.25	4.25	4.5	4.375
6	BTP: 305: Practical	4.125	4	4.25	4.0625	4	4.0625	4.375	4.4375
7	BTP: 306: Skill Based Elective Paper: Biological Imaging	3.6875	4.0625	4.0625	4.0625	4.0625	3.875	4.125	3.375

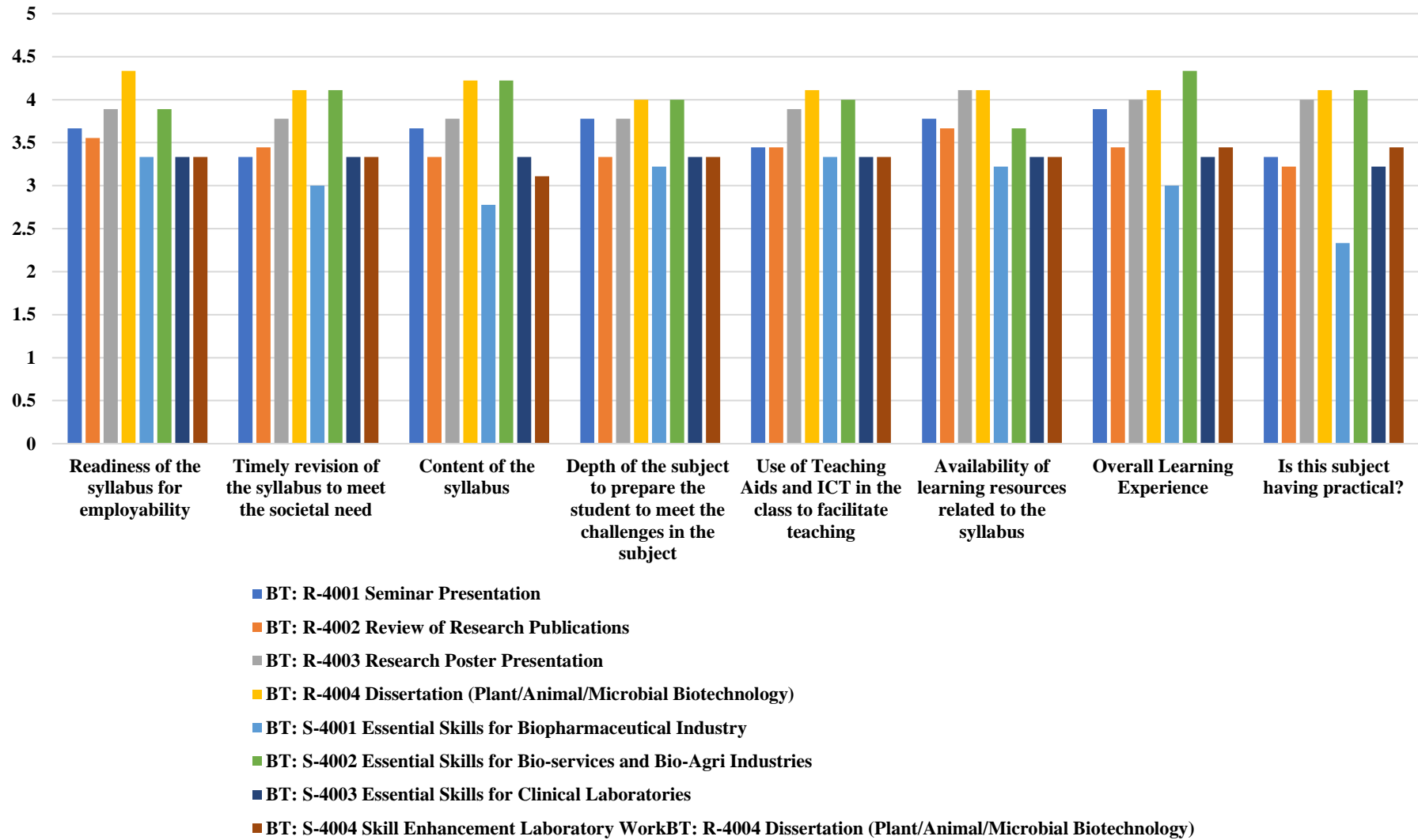
Semester - 9 Biotechnology Feedback data Table and Graphs (Score out of 5)



Semester - 10 Biotechnology Feedback Data Table and Graphs (Score out of 5)

Sr. No.	Academic Year 2022-2023 Semester - 10	Readiness of the syllabus for employability	Timely revision of the syllabus to meet the societal need	Content of the syllabus	Depth of the subject to prepare the student to meet the challenges in the subject	Use of Teaching Aids and ICT in the class to facilitate teaching	Availability of learning resources related to the syllabus	Overall Learning Experience	Is this subject having practical?
1	BT: R-4001 Seminar Presentation	3.66667	3.33333	3.66667	3.77778	3.44444	3.77778	3.88889	3.33333
2	BT: R-4002 Review of Research Publications	3.55556	3.44444	3.33333	3.33333	3.44444	3.66667	3.44444	3.22222
3	BT: R-4003 Research Poster Presentation	3.88889	3.77778	3.77778	3.77778	3.88889	4.11111	4	4
4	BT: R-4004 Dissertation (Plant/Animal/Microbial Biotechnology)	4.33333	4.11111	4.22222	4	4.11111	4.11111	4.11111	4.11111
5	BT: S-4001 Essential Skills for Biopharmaceutical Industry	3.33333	3	2.77778	3.22222	3.33333	3.22222	3	2.33333
6	BT: S-4002 Essential Skills for Bio-services and Bio-Agri Industries	3.88889	4.11111	4.22222	4	4	3.66667	4.33333	4.11111
7	BT: S-4003 Essential Skills for Clinical Laboratories	3.33333	3.33333	3.33333	3.33333	3.33333	3.33333	3.33333	3.22222
8	BT: S-4004 Skill Enhancement Laboratory Work BT: R-4004 Dissertation (Plant/Animal/Microbial Biotechnology)	3.33333	3.33333	3.11111	3.33333	3.33333	3.33333	3.44444	3.44444

**Semester - 10 Biotechnology Feedback data
Table and Graphs (Score out of 5)**





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વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી

યુનિવર્સિટી કેમ્પસ, ઉધના-મગદલા રોડ, સુરત - ૩૯૫ ૦૦૭, ગુજરાત, ભારત.

Tel : +91 - 261 - 2227141 to 2227146, Toll Free : 1800 2333 011, Digital Helpline No.- 0261 2388888

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Department of Biotechnology

No. Biotech/20242071/2024

Date: 27/02/2024

Program offered

- A) M. Sc. Integrated Biotechnology
- B) B.Sc. Microbiology
- C) P. G. Diploma in Molecular and Biochemical Technology

Minutes

The meeting of the faculty members of Department of Biotechnology was held in the Auditorium of the department on 5th February, 2024 at 2: 30pm respectively. One of the agenda of this meeting was to analyse the following feedback report on curriculum for the Academic Year 2022-2023 and to decide the plan of action required.

- 1. Students Feedback Analysis
- 2. Faculty Feedback Analysis
- 3. Alumni Feedback Analysis
- 4. Employer Feedback Analysis



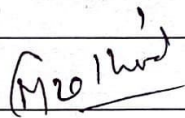
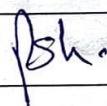
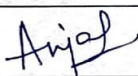
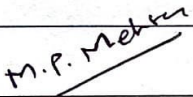


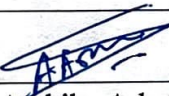
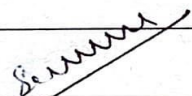
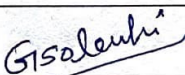
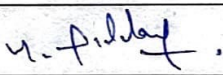

The attendance of the members of the faculty of the department at the said meeting was as follows:

Faculty	Designation	Present/Absent
Dr. Gaurav Shah	Assistant Professor and Coordinator	Present
Dr. Rekha Ghadvi	Assistant Professor	Present
Dr. Mayuri Rathod	Assistant Professor	Present
Dr. Preeti Sharma	Assistant Professor	Present
Dr. Anjali Soni	Assistant Professor	Present
Dr. Mansi Mehta	Assistant Professor (Contractual)	Present
Mrs. Tanvi Tamakuwala	Teaching Assistant (Contractual)	Present
Dr. Chirag Prajapati	Assistant Professor (Contractual)	Present
Dr. Ambika Arkatkar	Assistant Professor (Contractual)	Present
Dr. Mihir Sarang	Assistant Professor (Contractual)	Present
Dr. Gayatri Solanki	Assistant Professor (Contractual)	Present
Mr. Saddam Musani	Assistant Professor (Contractual)	Present
Mr. Milan Patel	Assistant Professor (Contractual)	Present


After analysis of feedback received from various stakeholders, it is found that overall satisfaction is observed among students, teachers and alumni. The most positive outcome is found to be regarding suitability of syllabus, to achieve the outcome of various courses, which is one of the prime requirements of any educational institute.

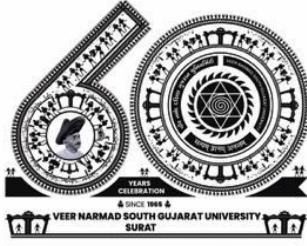
With reference to effective implementation of National Educational Policy (NEP) 2020, following plan of action shall be initiated:

- To further revise and enrich syllabus content
- To introduce new elective courses on development of additional skills fulfilling requirements for Biopharma sector.
- Integrating conventional teaching with participative learning using optimum use of ICT and other teaching aids.

			
Dr. Gaurav Shah	Dr. Rekha Gadhvi	Dr. Mayuri Rathod	Dr. Preeti Sharma
			
Dr. Anjali Soni	Dr. Mansi Mehta	Ms. Tanvi Tamakuwala	Dr. Chirag Prajapati
			
Dr. Ambika Arkatkar	Dr. Mihir Sarang	Dr. Gayatri Solanki	Mr. Saddam Musani
			
Mr. Milan Patel			

- Annexure 1: Students Feedback Analysis
- Annexure 2: Faculty Feedback Analysis
- Annexure 3: Alumni Feedback Analysis
- Annexure 4: Employer Feedback Analysis


 Coordinator
 Department of Biotechnology
 Veer Narmad South Gujarat University
 Surat



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Annexure 1: Students Feedback Analysis

Department of Biotechnology

Feedback received from Students

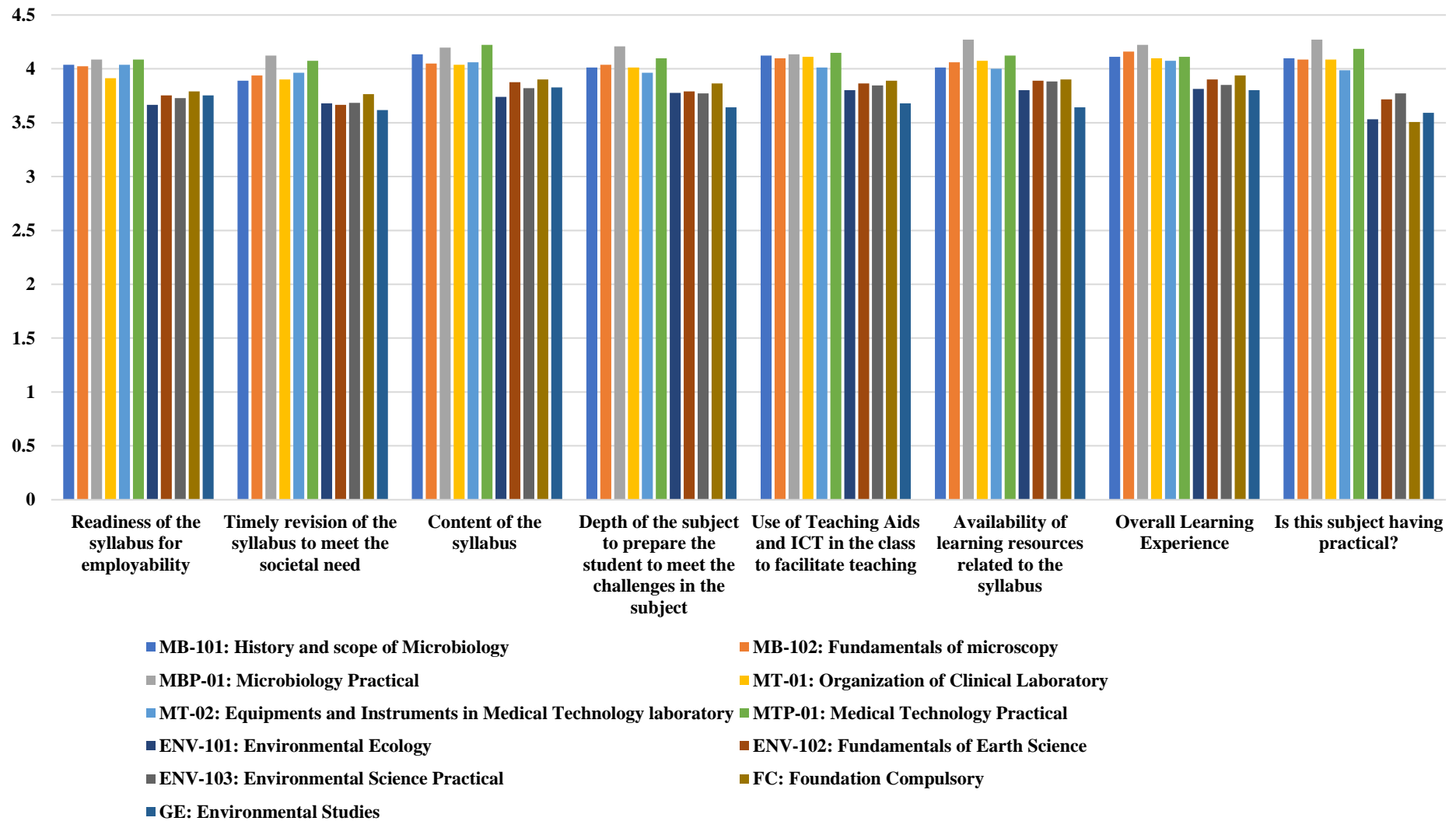
Academic Year 2022-2023

Semester -1 to 6 (Microbiology)

Semester -1 Microbiology Feedback data Table and Graphs (Score out of 5)

Sr. No.		Readiness of the syllabus for employability	Timely revision of the syllabus to meet the societal need	Content of the syllabus	Depth of the subject to prepare the student to meet the challenges in the subject	Use of Teaching Aids and ICT in the class to facilitate teaching	Availability of learning resources related to the syllabus	Overall Learning Experience	Is this subject having practical ?
Academic Year 2022-2023 Semester - 1									
1	MB-101: History and scope of Microbiology	4.037037	3.888889	4.135802	4.012346	4.123457	4.012346	4.111111	4.098765
2	MB-102: Fundamentals of microscopy	4.024691	3.938272	4.049383	4.037037	4.098765	4.061728	4.160494	4.08642
3	MBP-01: Microbiology Practical	4.08642	4.123457	4.197531	4.209877	4.135802	4.271605	4.222222	4.271605
4	MT-01: Organization of Clinical Laboratory	3.91358	3.901235	4.037037	4.012346	4.111111	4.074074	4.098765	4.08642
5	MT-02: Equipments and Instruments in Medical Technology laboratory	4.037037	3.962963	4.061728	3.962963	4.012346	4	4.074074	3.987654
6	MTP-01: Medical Technology Practical	4.08642	4.074074	4.222222	4.098765	4.148148	4.123457	4.111111	4.185185
7	ENV-101: Environmental Ecology	3.666667	3.679012	3.740741	3.777778	3.802469	3.802469	3.814815	3.530864
8	ENV-102: Fundamentals of Earth Science	3.753086	3.666666	3.876543	3.790123	3.864198	3.888889	3.901235	3.716049
9	ENV-103: Environmental Science Practical	3.728395	3.685185	3.820988	3.771605	3.845679	3.882716	3.851852	3.771605
10	FC: Foundation Compulsory	3.790123	3.765432	3.901235	3.864198	3.888889	3.901235	3.938272	3.506173
11	GE: Environmental Studies	3.753086	3.617284	3.82716	3.641975	3.679012	3.641975	3.802469	3.592593

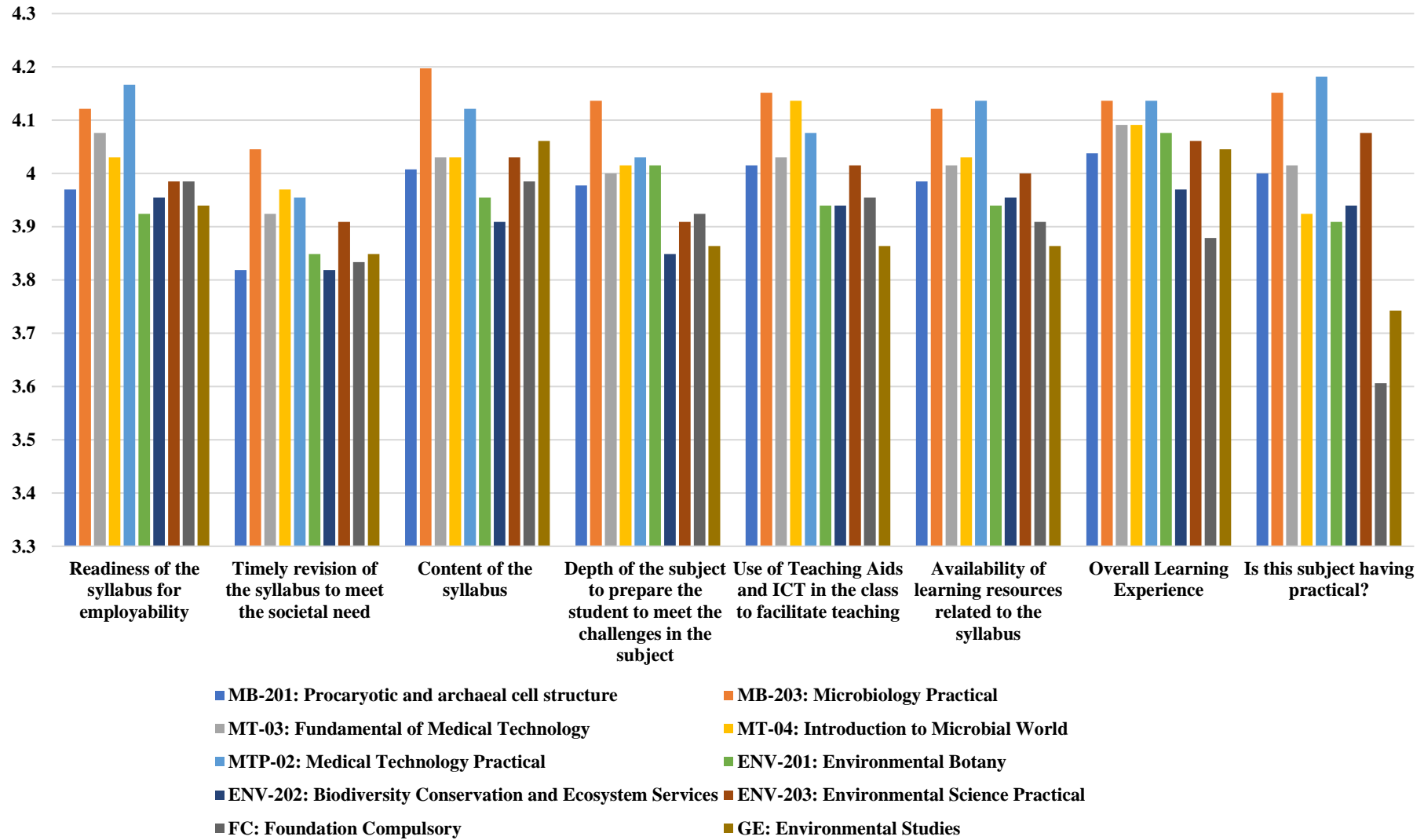
Semester - 1 Microbiology Feedback data Table and Graphs (Score out of 5)



Semester -2 Microbiology Feedback data Table and Graphs (Score out of 5)

Sr. No.		Readiness of the syllabus for employability	Timely revision of the syllabus to meet the societal need	Content of the syllabus	Depth of the subject to prepare the student to meet the challenges in the subject	Use of Teaching Aids and ICT in the class to facilitate teaching	Availability of learning resources related to the syllabus	Overall Learning Experience	Is this subject having practical ?
	Academic Year 2022-2023 Semester - 2								
1	MB-201: Procaryotic and archaeal cell structure	3.969697	3.818182	4.007576	3.977273	4.015152	3.984848	4.037879	4
2	MB-203: Microbiology Practical	4.121212	4.045455	4.19697	4.136364	4.151515	4.121212	4.136364	4.151515
3	MT-03: Fundamental of Medical Technology	4.075758	3.924242	4.030303	4	4.030303	4.015152	4.090909	4.015152
4	MT-04: Introduction to Microbial World	4.030303	3.969697	4.030303	4.015152	4.136364	4.030303	4.090909	3.924242
5	MTP-02: Medical Technology Practical	4.166667	3.954545	4.121212	4.030303	4.075758	4.136364	4.136364	4.181818
6	ENV-201: Environmental Botany	3.924242	3.848485	3.954545	4.015152	3.939394	3.939394	4.075758	3.909091
7	ENV-202: Biodiversity Conservation and Ecosystem Services	3.954545	3.818182	3.909091	3.848485	3.939394	3.954545	3.969697	3.939394
8	ENV-203: Environmental Science Practical	3.984848	3.909091	4.030303	3.909091	4.015152	4	4.060606	4.075758
9	FC: Foundation Compulsory	3.984848	3.833333	3.984848	3.924242	3.954545	3.909091	3.878788	3.606061
10	GE: Environmental Studies	3.939394	3.848485	4.060606	3.863636	3.863636	3.863636	4.045455	3.742424

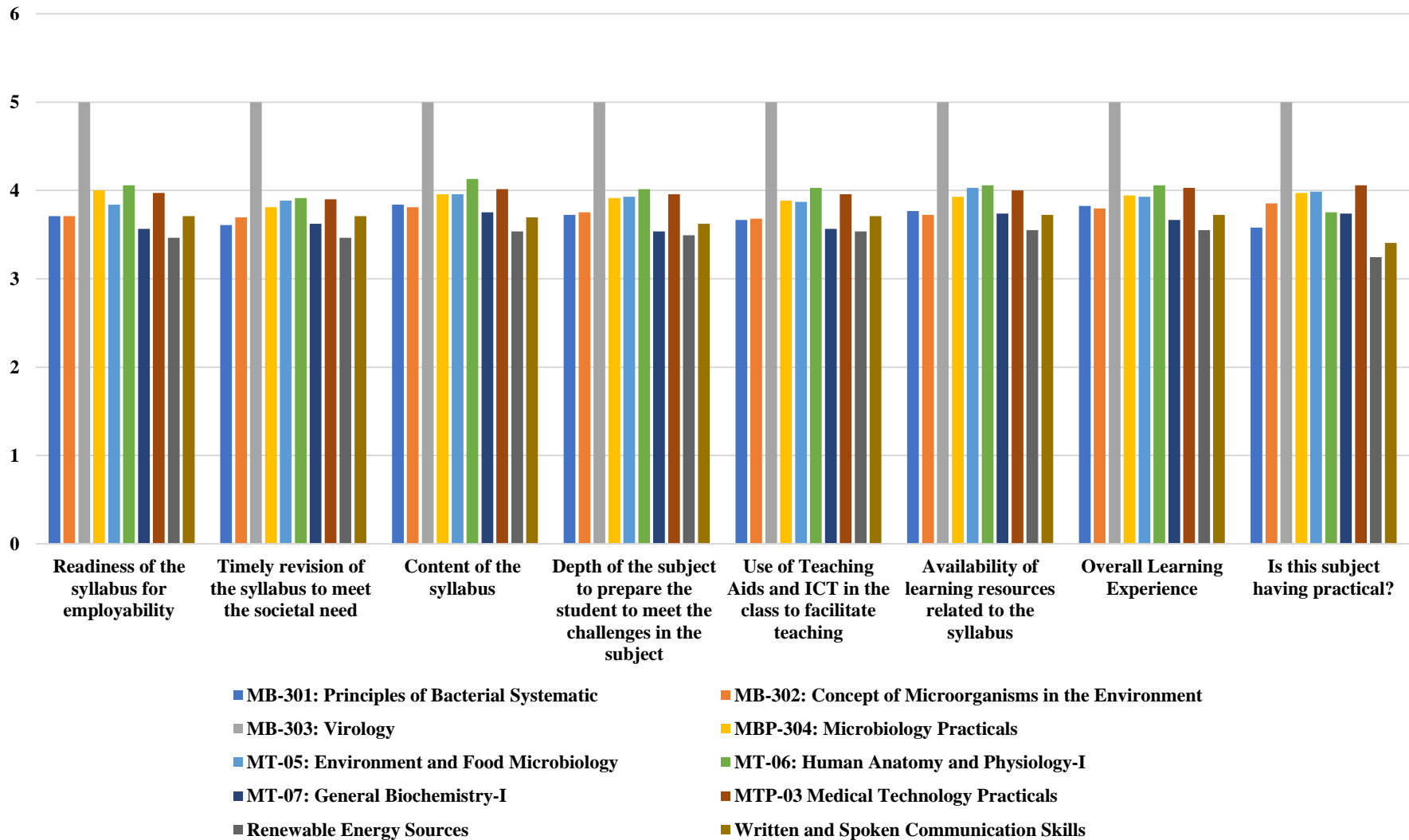
Semester - 2 Microbiology Feedback data Table and Graphs (Score out of 5)



Semester -3 Microbiology Feedback data Table and Graphs (Score out of 5)

Sr. No.		Readiness of the syllabus for employability	Timely revision of the syllabus to meet the societal need	Content of the syllabus	Depth of the subject to prepare the student to meet the challenges in the subject	Use of Teaching Aids and ICT in the class to facilitate teaching	Availability of learning resources related to the syllabus	Overall Learning Experience	Is this subject having practical ?
Academic Year 2022-2023 Semester - 3									
1	MB-301: Principles of Bacterial Systematic	3.710145	3.608696	3.84058	3.724638	3.666667	3.768116	3.826087	3.57971
2	MB-302: Concept of Microorganisms in the Environment	3.710145	3.695652	3.811594	3.753623	3.681159	3.724638	3.797101	3.855072
3	MB-303: Virology	5	5	5	5	5	5	5	5
4	MBP-304: Microbiology Practicals	4	3.811594	3.956522	3.913043	3.884058	3.927536	3.942029	3.971014
5	MT-05: Environment and Food Microbiology	3.84058	3.884058	3.956522	3.927536	3.869565	4.028986	3.927536	3.985507
6	MT-06: Human Anatomy and Physiology-I	4.057971	3.913043	4.130435	4.014493	4.028986	4.057971	4.057971	3.753623
7	MT-07: General Biochemistry-I	3.565217	3.623188	3.753623	3.536232	3.565217	3.73913	3.666667	3.73913
8	MTP-03 Medical Technology Practicals	3.971014	3.898551	4.014493	3.956522	3.956522	4	4.028986	4.057971
9	Renewable Energy Sources	3.463768	3.463768	3.536232	3.492754	3.536232	3.550725	3.550725	3.246377
10	Written and Spoken Communication Skills	3.710145	3.710145	3.695652	3.623188	3.710145	3.724638	3.724638	3.405797

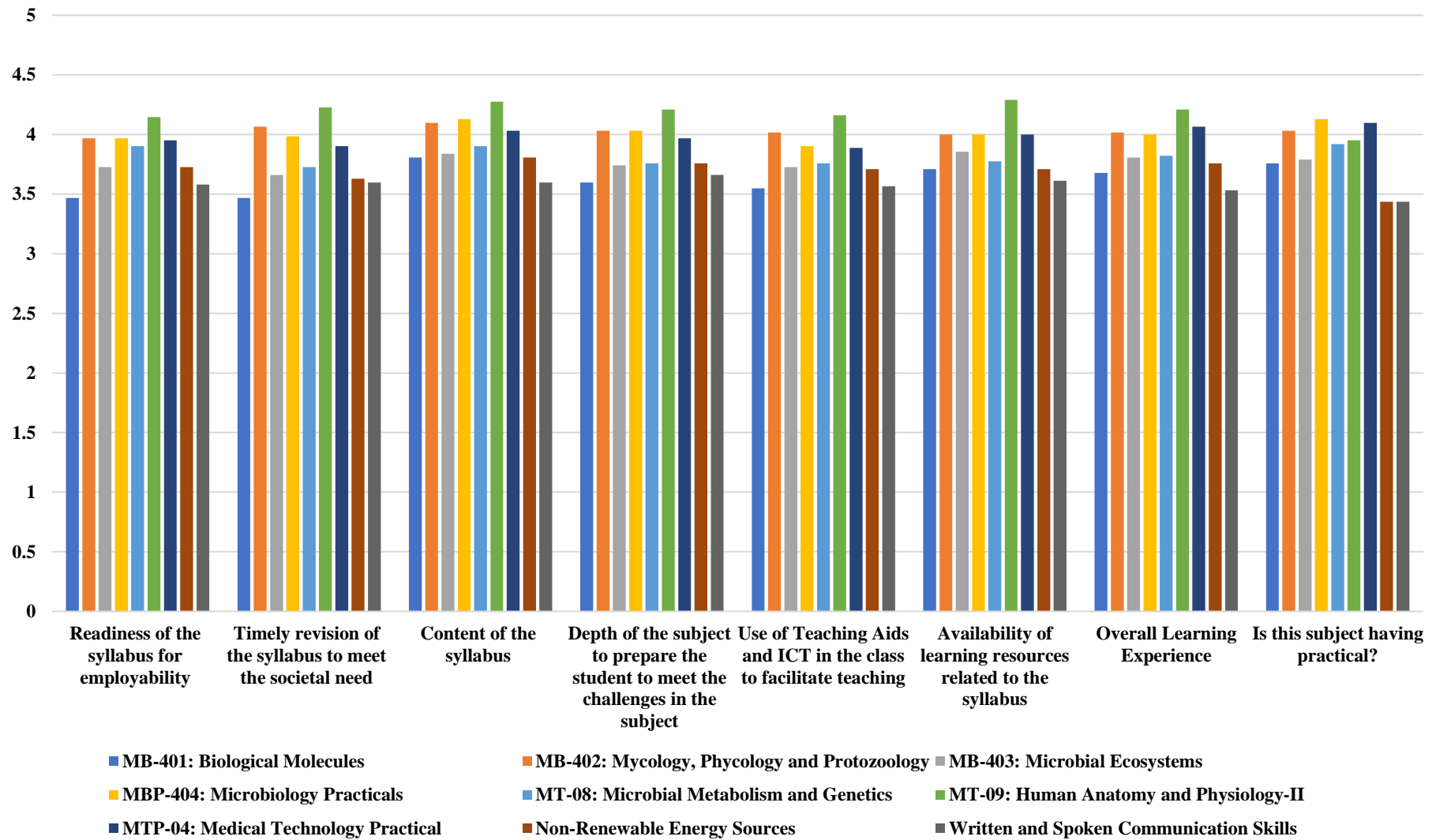
Semester - 3 Microbiology Feedback data Table and Graphs (Score out of 5)



Semester -4 Microbiology Feedback data Table and Graphs (Score out of 5)

Sr. No.		Readiness of the syllabus for employability	Timely revision of the syllabus to meet the societal need	Content of the syllabus	Depth of the subject to prepare the student to meet the challenges in the subject	Use of Teaching Aids and ICT in the class to facilitate teaching	Availability of learning resources related to the syllabus	Overall Learning Experience	Is this subject having practical ?
	Academic Year 2022-2023 Semester - 4								
1	MB-401: Biological Molecules	3.467742	3.467742	3.806452	3.596774	3.548387	3.709677	3.677419	3.758065
2	MB-402: Mycology, Phycology and Protozoology	3.967742	4.064516	4.096774	4.032258	4.016129	4	4.016129	4.032258
3	MB-403: Microbial Ecosystems	3.725806	3.66129	3.83871	3.741935	3.725806	3.854839	3.806452	3.790323
4	MBP-404: Microbiology Practicals	3.967742	3.983871	4.129032	4.032258	3.903226	4	4	4.129032
5	MT-08: Microbial Metabolism and Genetics	3.903226	3.725806	3.903226	3.758065	3.758065	3.774194	3.822581	3.919355
6	MT-09: Human Anatomy and Physiology-II	4.145161	4.225806	4.274194	4.209677	4.16129	4.290323	4.209677	3.951613
7	MTP-04: Medical Technology Practical	3.951613	3.903226	4.032258	3.967742	3.887097	4	4.064516	4.096774
8	Non-Renewable Energy Sources	3.725806	3.629032	3.806452	3.758065	3.709677	3.709677	3.758065	3.435484
9	Written and Spoken Communication Skills	3.580645	3.596774	3.596774	3.66129	3.564516	3.612903	3.532258	3.435484

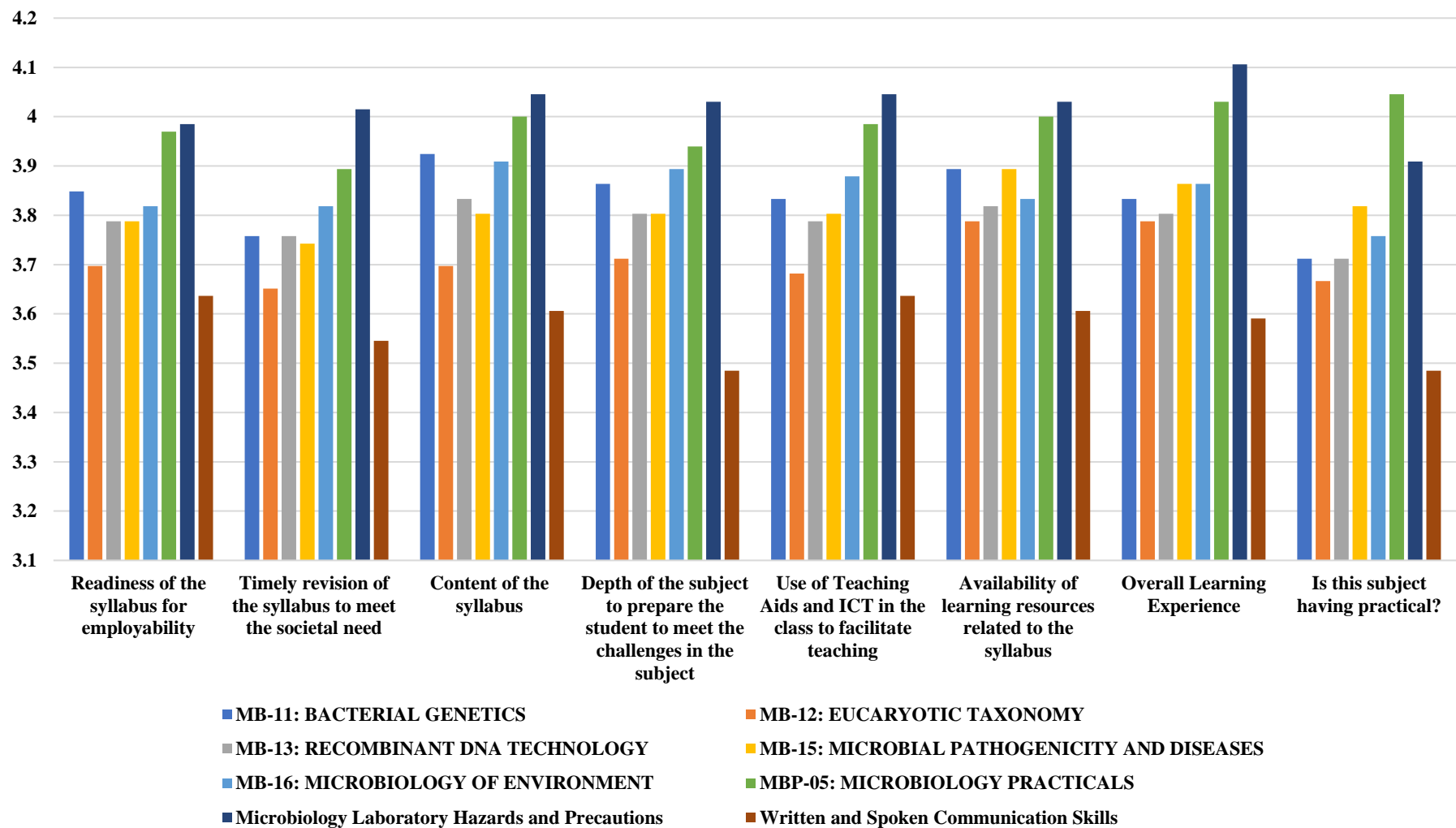
**Semester - 4 Microbiology Feedback data
Table and Graphs (Score out of 5)**



Semester -5 Microbiology Feedback data Table and Graphs (Score out of 5)

Sr. No.		Readiness of the syllabus for employability	Timely revision of the syllabus to meet the societal need	Content of the syllabus	Depth of the subject to prepare the student to meet the challenges in the subject	Use of Teaching Aids and ICT in the class to facilitate teaching	Availability of learning resources related to the syllabus	Overall Learning Experience	Is this subject having practical ?
	Academic Year 2022-2023 Semester - 5								
1	MB-11: BACTERIAL GENETICS	3.848485	3.757576	3.924242	3.863636	3.833333	3.893939	3.833333	3.712121
2	MB-12: EUCARYOTIC TAXONOMY	3.69697	3.651515	3.69697	3.712121	3.681818	3.787879	3.787879	3.666667
3	MB-13: RECOMBINANT DNA TECHNOLOGY	3.787879	3.757576	3.833333	3.80303	3.787879	3.818182	3.80303	3.712121
4	MB-15: MICROBIAL PATHOGENICITY AND DISEASES	3.787879	3.742424	3.80303	3.80303	3.80303	3.893939	3.863636	3.818182
5	MB-16: MICROBIOLOGY OF ENVIRONMENT	3.818182	3.818182	3.909091	3.893939	3.878788	3.833333	3.863636	3.757576
6	MBP-05: MICROBIOLOGY PRACTICALS	3.969697	3.893939	4	3.939394	3.984848	4	4.030303	4.045455
7	Microbiology Laboratory Hazards and Precautions	3.984848	4.015152	4.045455	4.030303	4.045455	4.030303	4.106061	3.909091
8	Written and Spoken Communication Skills	3.636364	3.545455	3.606061	3.484848	3.636364	3.606061	3.590909	3.484848

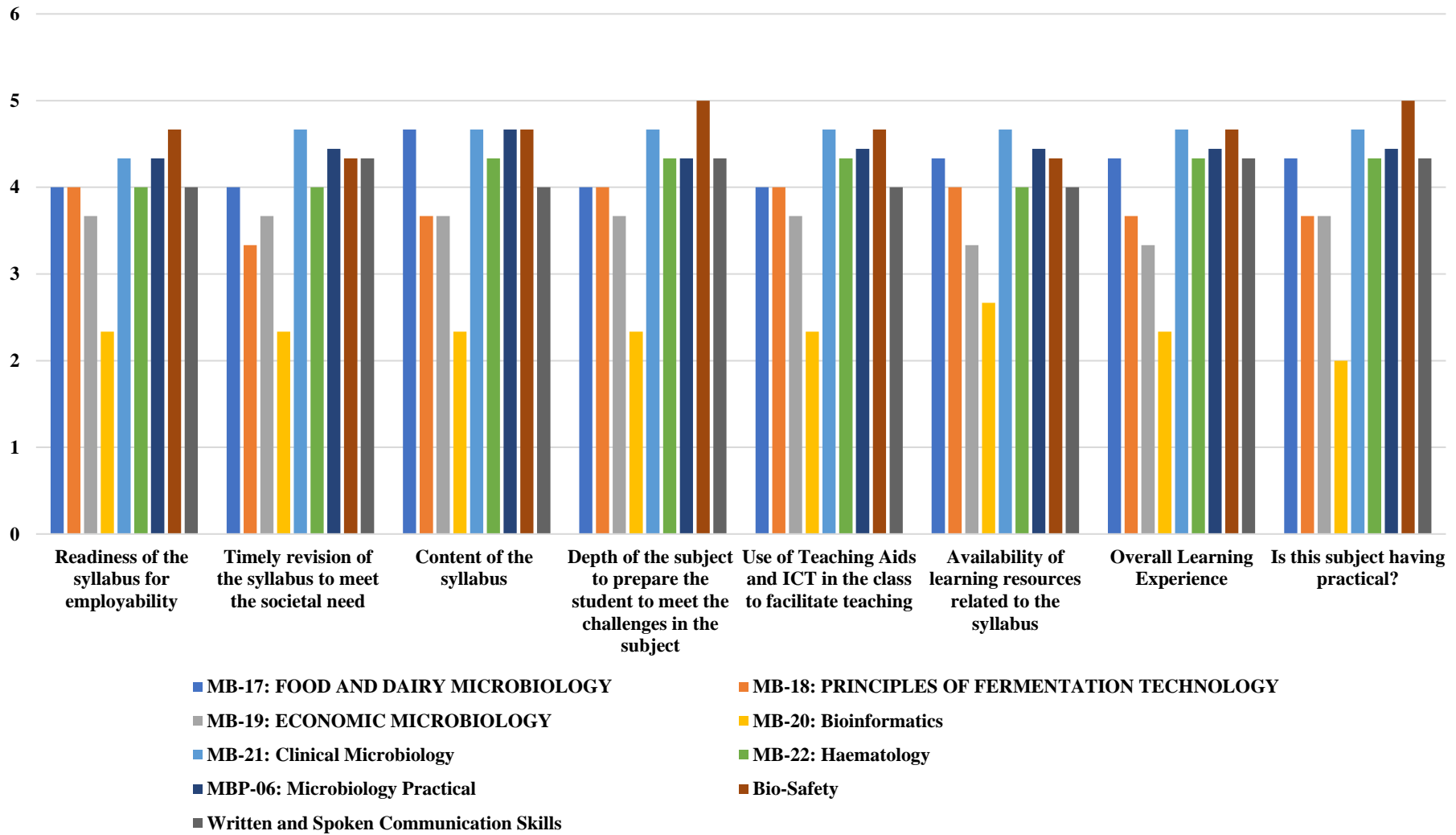
**Semester - 5 Microbiology Feedback data
Table and Graphs (Score out of 5)**



Semester -6 Microbiology Feedback data Table and Graphs (Score out of 5)

Sr. No.		Readiness of the syllabus for employability	Timely revision of the syllabus to meet the societal need	Content of the syllabus	Depth of the subject to prepare the student to meet the challenges in the subject	Use of Teaching Aids and ICT in the class to facilitate teaching	Availability of learning resources related to the syllabus	Overall Learning Experience	Is this subject having practical ?
	Academic Year 2022-2023 Semester - 6								
1	MB-17: FOOD AND DAIRY MICROBIOLOGY	4	4	4.666667	4	4	4.333333	4.333333	4.333333
2	MB-18: PRINCIPLES OF FERMENTATION TECHNOLOGY	4	3.333333	3.666667	4	4	4	3.666667	3.666667
3	MB-19: ECONOMIC MICROBIOLOGY	3.666667	3.666667	3.666667	3.666667	3.666667	3.333333	3.333333	3.666667
4	MB-20: Bioinformatics	2.333333	2.333333	2.333333	2.333333	2.333333	2.666667	2.333333	2
5	MB-21: Clinical Microbiology	4.333333	4.666667	4.666667	4.666667	4.666667	4.666667	4.666667	4.666667
6	MB-22: Haematology	4	4	4.333333	4.333333	4.333333	4	4.333333	4.333333
7	MBP-06: Microbiology Practical	4.333333	4.444444	4.666667	4.333333	4.444444	4.444444	4.444444	4.444444
8	Bio-Safety	4.666667	4.333333	4.666667	5	4.666667	4.333333	4.666667	5
9	Written and Spoken Communication Skills	4	4.333333	4	4.333333	4	4	4.333333	4.333333

Semester - 6 Microbiology Feedback data Table and Graphs (Score out of 5)





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Department of Biotechnology

No. Biotech/20242071/2024

Date: 27/02/2024

Program offered

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- B) B.Sc. Microbiology
- C) P. G. Diploma in Molecular and Biochemical Technology

Minutes

The meeting of the faculty members of Department of Biotechnology was held in the Auditorium of the department on 5th February, 2024 at 2: 30pm respectively. One of the agenda of this meeting was to analyse the following feedback report on curriculum for the Academic Year 2022-2023 and to decide the plan of action required.

- 1. Students Feedback Analysis
- 2. Faculty Feedback Analysis
- 3. Alumni Feedback Analysis
- 4. Employer Feedback Analysis



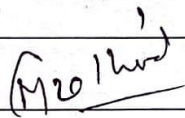
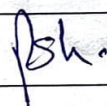
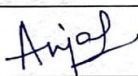
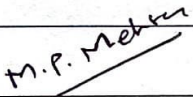


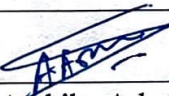
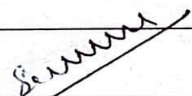
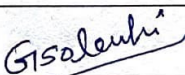
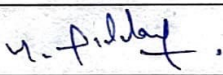

The attendance of the members of the faculty of the department at the said meeting was as follows:

Faculty	Designation	Present/Absent
Dr. Gaurav Shah	Assistant Professor and Coordinator	Present
Dr. Rekha Ghadvi	Assistant Professor	Present
Dr. Mayuri Rathod	Assistant Professor	Present
Dr. Preeti Sharma	Assistant Professor	Present
Dr. Anjali Soni	Assistant Professor	Present
Dr. Mansi Mehta	Assistant Professor (Contractual)	Present
Mrs. Tanvi Tamakuwala	Teaching Assistant (Contractual)	Present
Dr. Chirag Prajapati	Assistant Professor (Contractual)	Present
Dr. Ambika Arkatkar	Assistant Professor (Contractual)	Present
Dr. Mihir Sarang	Assistant Professor (Contractual)	Present
Dr. Gayatri Solanki	Assistant Professor (Contractual)	Present
Mr. Saddam Musani	Assistant Professor (Contractual)	Present
Mr. Milan Patel	Assistant Professor (Contractual)	Present


After analysis of feedback received from various stakeholders, it is found that overall satisfaction is observed among students, teachers and alumni. The most positive outcome is found to be regarding suitability of syllabus, to achieve the outcome of various courses, which is one of the prime requirements of any educational institute.

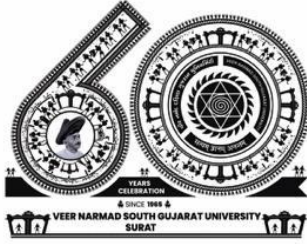
With reference to effective implementation of National Educational Policy (NEP) 2020, following plan of action shall be initiated:

- To further revise and enrich syllabus content
- To introduce new elective courses on development of additional skills fulfilling requirements for Biopharma sector.
- Integrating conventional teaching with participative learning using optimum use of ICT and other teaching aids.

			
Dr. Gaurav Shah	Dr. Rekha Gadhvi	Dr. Mayuri Rathod	Dr. Preeti Sharma
			
Dr. Anjali Soni	Dr. Mansi Mehta	Ms. Tanvi Tamakuwala	Dr. Chirag Prajapati
			
Dr. Ambika Arkatkar	Dr. Mihir Sarang	Dr. Gayatri Solanki	Mr. Saddam Musani
			
Mr. Milan Patel			

- Annexure 1: Students Feedback Analysis
- Annexure 2: Faculty Feedback Analysis
- Annexure 3: Alumni Feedback Analysis
- Annexure 4: Employer Feedback Analysis


 Coordinator
 Department of Biotechnology
 Veer Narmad South Gujarat University
 Surat



Re-Accredited 'B++' 2.86 CGPA by NAAC

VEER NARMAD SOUTH GUJARAT UNIVERSITY

University Campus, Udhna-Magdalla Road, SURAT - 395 007, Gujarat, India.

વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી

યુનિવર્સિટી કેમ્પસ, ઉધના-મગદલા રોડ, સુરત - ૩૯૫ ૦૦૭, ગુજરાત, ભારત.

Tel : +91 - 261 - 2227141 to 2227146, Toll Free : 1800 2333 011, Digital Helpline No.- 0261 2388888

E-mail : info@vnsgu.ac.in, Website : www.vnsgu.ac.in

Annexure 1: Students Feedback Analysis

Department of Biotechnology

Feedback received from Students

Academic Year 2022-2023

Semester -1 and 2(P.G. Diploma in Molecular and Biochemical Technology)

