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VEER NARMAD SOUTH GUJARAT UNIVERSITY
University Campus, Udhna-Magdalla Road, SURAT - 395 007, Gujarat, India.
વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી
યુનિવર્સિટી કેમ્પસ, ઉધના-મગદલ્લા રોડ, સુરત - ૩૯૫ ૦૦૭, ગુજરાત, ભારત.
Tel : +91 - 261 - 2227141 to 2227146, Toll Free : 1800 2333 011, Fax : +91 - 261 - 2227312
E-mail : info@vnsgu.ac.in, Website : www.vnsgu.ac.in

Department of Biotechnology

No. Biotech/451/2021

Date: 30/11/2021

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 29th & 30th November, 2021 at 3:30 p.m. respectively. The agenda of this meeting was to analyse the following feedback report on curriculum for the Academic Year 2020-2021 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 Co-ordinator	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. Ruchi Desai	Assistant Professor (Contractual)	Present
Dr. Mansi Mehta	Assistant Professor (Contractual)	Present
Dr. Bhikhu More	Assistant Professor (Contractual)	Present
Mrs. Tanvi Tamakuwala	Teaching Assistant (Contractual)	Present
Mr. Keyur Patel	Assistant Professor (Contractual)	Present
Ms. Pooja Shuka	Teaching Assistant (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. Ruchi Desai

Dr. Mansi Mehta

Dr. Bhikhu More

Ms. Tanvi Tamakuwala

Mr. Keyur Patel

Ms. Pooja Shukla

Coordinator
Department of Biotechnology
Veer Narmad South Gujarat University,
Surat - 395007 Gujarat - INDIA

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

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Annexure 1: Students Feedback Analysis

Department of Biotechnology

Feedback received from Students

Academic Year 2020-2021

Semester -1 to 10 (Biotechnology)

A Google form was created to get the feedback from students about the curriculum. The average score per item is provided in the table and graph given below:

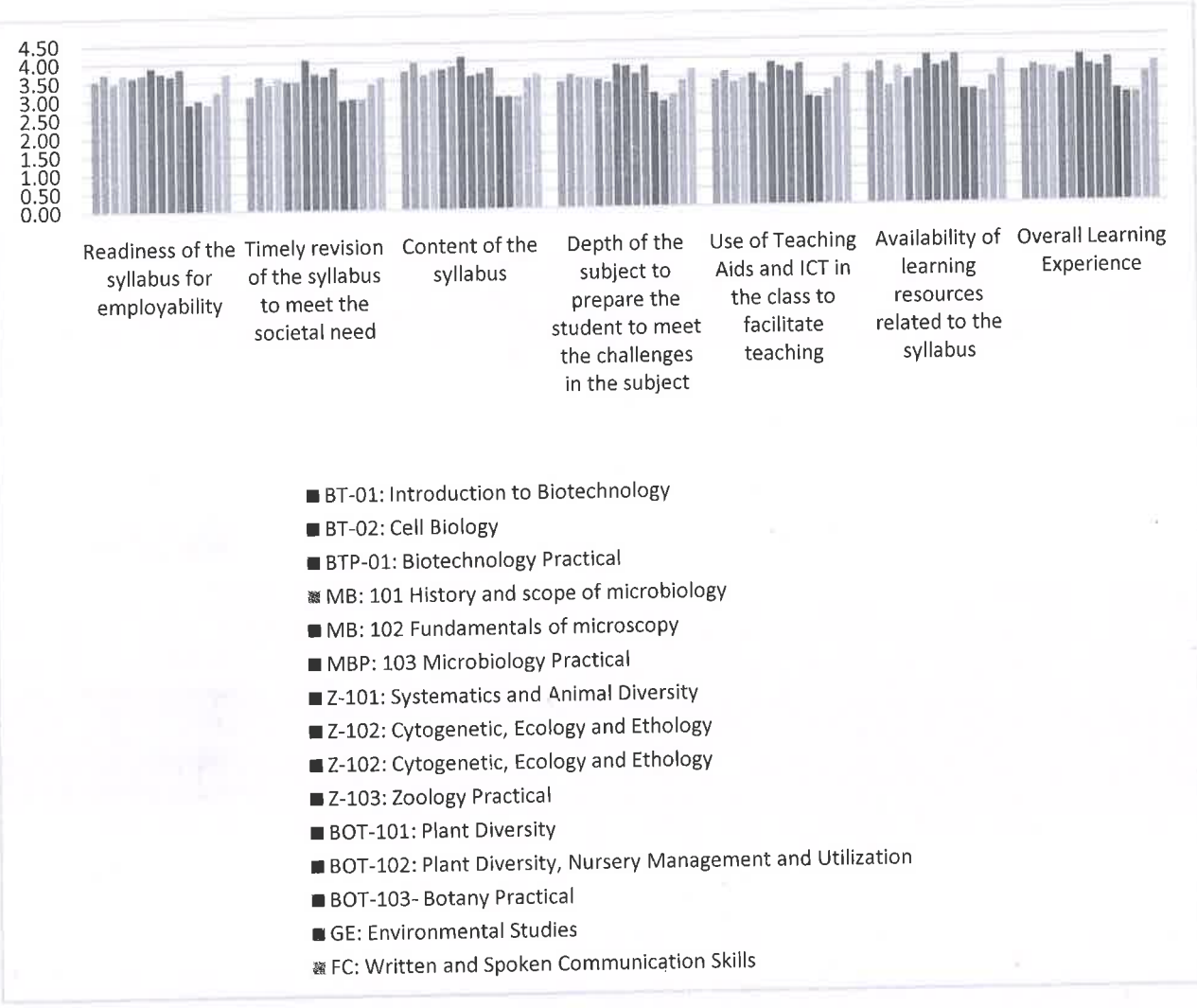
Semester 1: Biotechnology

Table and Graphs (Score out of 5)

Academic Year 2020-2021(Semester 1)	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
BT-01: Introduction to Biotechnology	3.56	3.11	3.74	3.41	3.41	3.56	3.56
BT-02: Cell Biology	3.74	3.63	3.96	3.59	3.63	3.81	3.70
BTP-01: Biotechnology Practical	3.48	3.41	3.63	3.52	3.33	3.19	3.63
MB: 101 History and scope of microbiology	3.70	3.59	3.78	3.52	3.44	3.70	3.63
MB: 102 Fundamentals of microscopy	3.63	3.48	3.78	3.44	3.56	3.37	3.44
MBP: 103 Microbiology Practical	3.70	3.48	3.85	3.37	3.30	3.59	3.56
Z-101: Systematics and Animal Diversity	3.89	4.07	4.11	3.85	3.85	4.00	3.96
Z-102: Cytogenetic, Ecology and Ethology	3.74	3.70	3.59	3.81	3.74	3.70	3.70
Z-102: Cytogenetic, Ecology and Ethology	3.67	3.63	3.67	3.59	3.59	3.78	3.63
Z-103: Zoology Practical	3.85	3.85	3.81	3.81	3.81	4.00	3.89
BOT-101: Plant Diversity	2.89	2.96	3.04	3.07	2.93	3.07	3.04
BOT-102: Plant Diversity, Nursery Management and Utilization	3.00	3.00	3.04	2.85	2.89	3.07	2.93
BOT-103- Botany Practical	2.89	3.00	3.04	3.04	3.11	3.00	2.93
GE: Environmental Studies	3.22	3.41	3.52	3.41	3.41	3.41	3.48
FC: Written and Spoken Communication Skills	3.70	3.59	3.63	3.70	3.78	3.85	3.78

Semester 1: Biotechnology

Table and Graphs (Score out of 5)



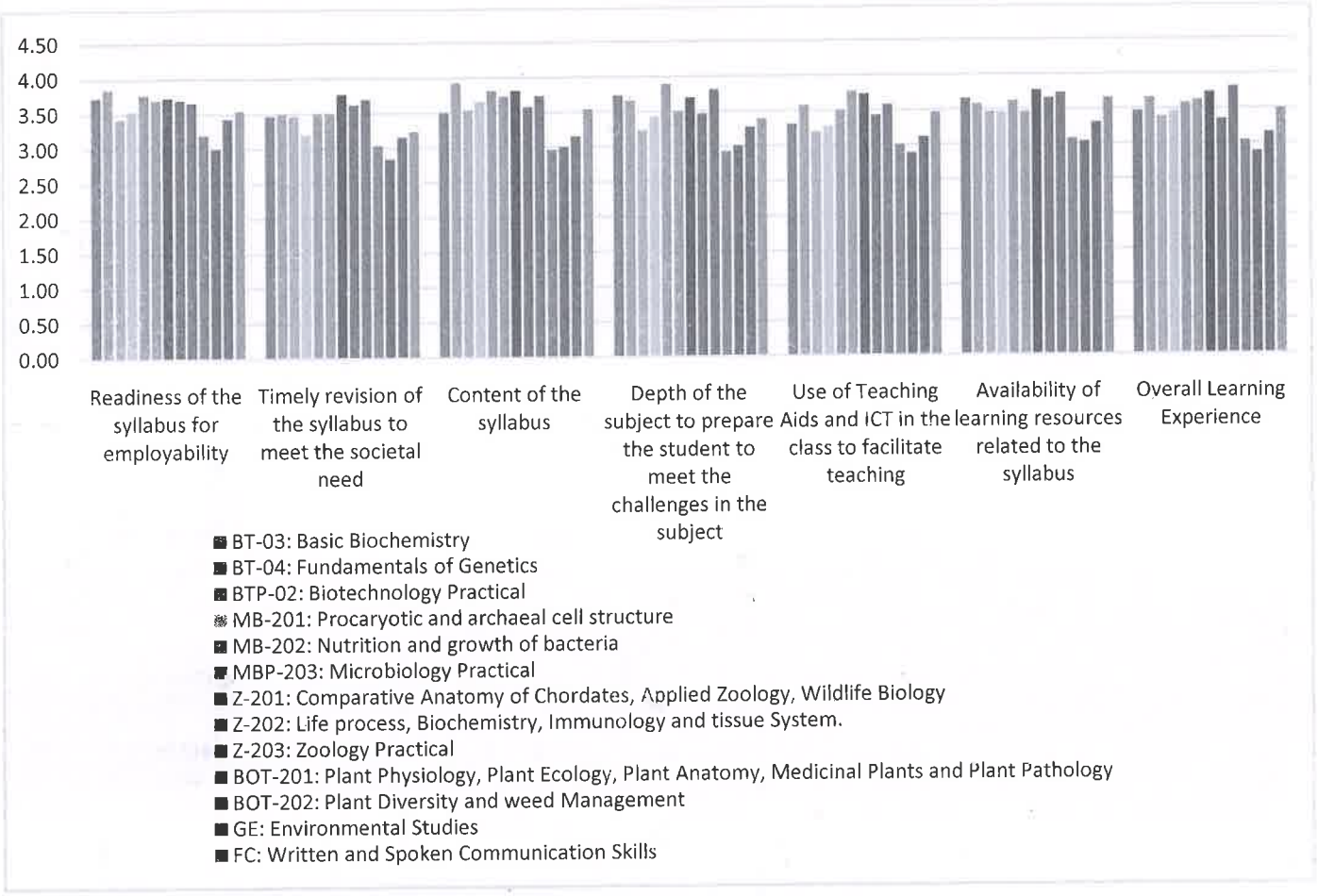
Semester 2:Biotechnology

Table and Graphs (Score out of 5)

Academic Year 2020-21	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
BT-03: Basic Biochemistry	3.73	3.46	3.50	3.73	3.31	3.65	3.46
BT-04: Fundamentals of Genetics	3.85	3.50	3.92	3.65	3.58	3.58	3.65
BTP-02: Biotechnology Practical	3.42	3.46	3.54	3.23	3.19	3.46	3.38
MB-201: Procaryotic and archaeal cell structure	3.54	3.19	3.65	3.42	3.27	3.46	3.46
MB-202: Nutrition and growth of bacteria	3.77	3.50	3.81	3.88	3.50	3.62	3.58
MBP-203: Microbiology Practical	3.69	3.50	3.73	3.50	3.77	3.46	3.62
Z-201: Comparative Anatomy of Chordates, Applied Zoology, Wildlife Biology	3.73	3.77	3.81	3.69	3.73	3.77	3.73
Z-202: Life process, Biochemistry, Immunology and tissue System.	3.69	3.62	3.58	3.46	3.42	3.65	3.35
Z-203: Zoology Practical	3.65	3.69	3.73	3.81	3.58	3.73	3.81
BOT-201: Plant Physiology, Plant Ecology, Plant Anatomy, Medicinal Plants and Plant Pathology	3.19	3.04	2.96	2.92	3.00	3.08	3.04
BOT-202: Plant Diversity and weed Management	3.00	2.85	3.00	3.00	2.88	3.04	2.88
GE: Environmental Studies	3.42	3.15	3.15	3.27	3.12	3.31	3.15
FC: Written and Spoken Communication Skills	3.54	3.23	3.54	3.38	3.46	3.65	3.50

Semester 2: Biotechnology

Table and Graphs (Score out of 5)



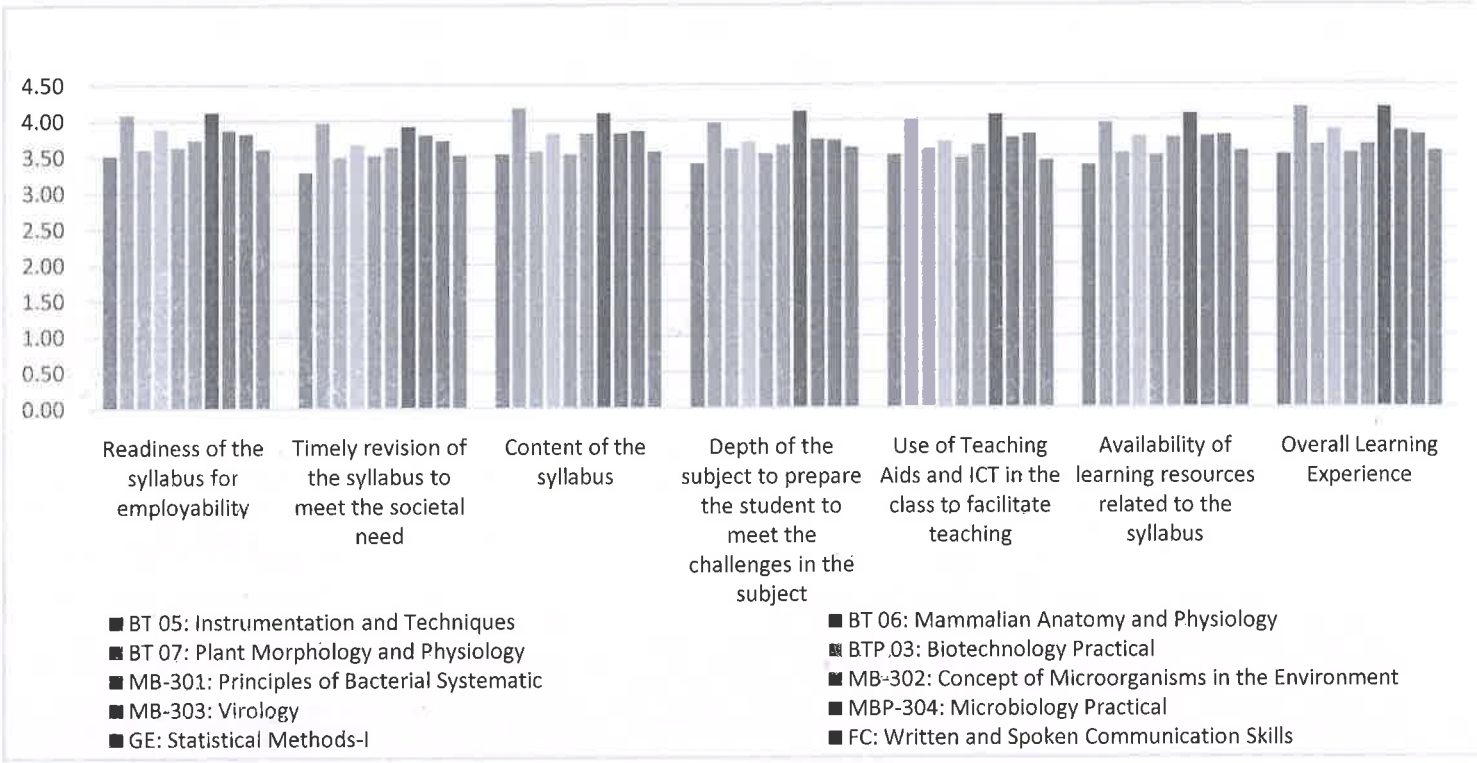
Semester 3: Biotechnology

Table and Graphs (Score out of 5)

Academic Year 2020-2021(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
BT 05: Instrumentation and Techniques	3.52	3.28	3.53	3.40	3.52	3.37	3.52
BT 06: Mammalian Anatomy and Physiology	4.08	3.97	4.17	3.97	3.98	3.95	4.17
BT 07: Plant Morphology and Physiology	3.60	3.48	3.57	3.60	3.58	3.53	3.65
BTP 03: Biotechnology Practical	3.88	3.67	3.82	3.70	3.70	3.77	3.87
MB-301: Principles of Bacterial Systematic	3.63	3.52	3.53	3.53	3.47	3.50	3.53
MB-302: Concept of Microorganisms in the Environment	3.73	3.63	3.82	3.65	3.65	3.75	3.65
MB-303: Virology	4.12	3.92	4.10	4.12	4.07	4.08	4.17
MBP-304: Microbiology Practical	3.87	3.80	3.82	3.73	3.75	3.77	3.85
GE: Statistical Methods-I	3.82	3.72	3.85	3.72	3.80	3.78	3.80
FC: Written and Spoken Communication Skills	3.60	3.52	3.57	3.62	3.43	3.57	3.57

Semester 3: Biotechnology

Table and Graphs (Score out of 5)



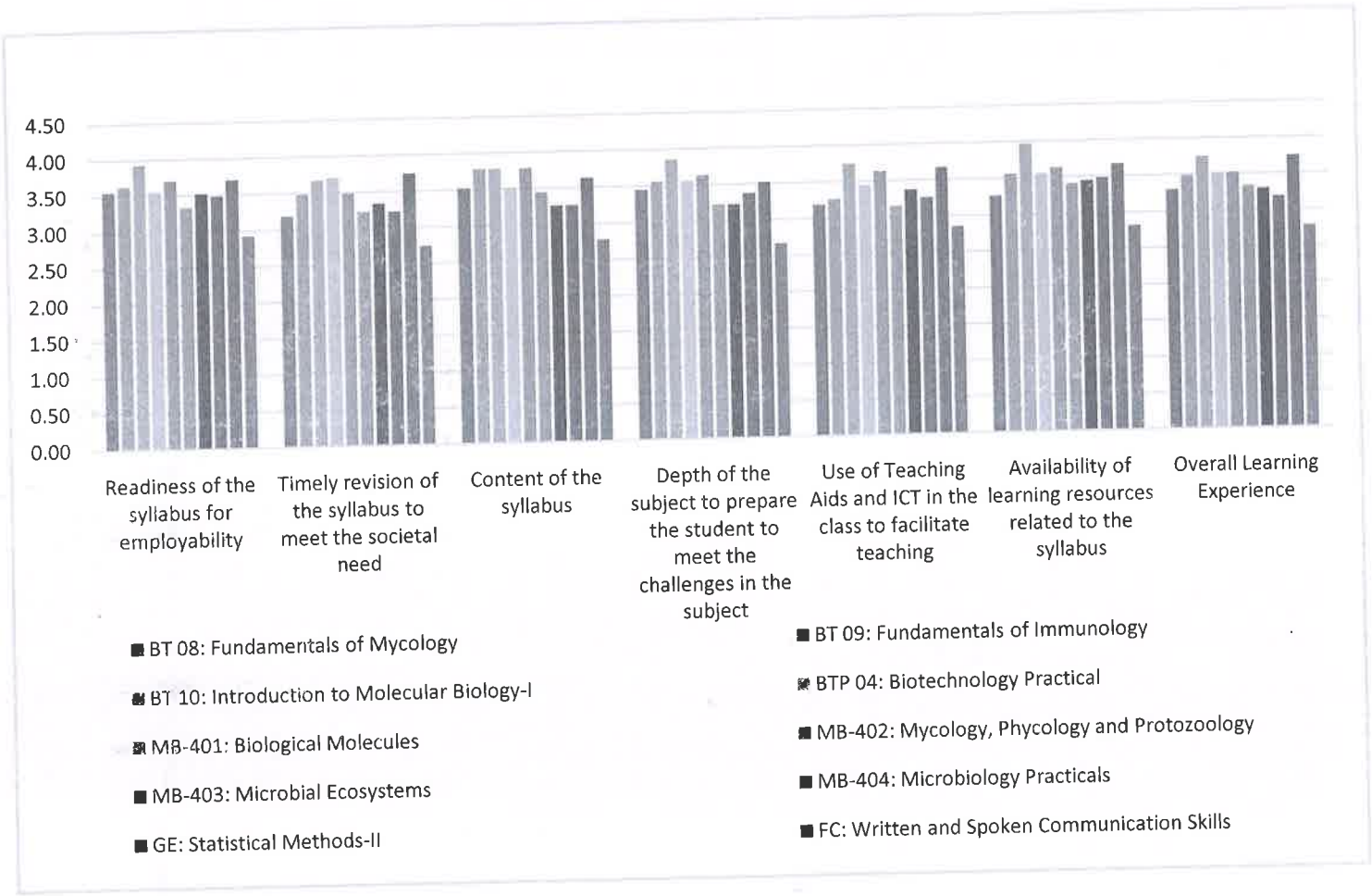
Semester 4: Biotechnology

Table and Graphs (Score out of 5)

Academic Year 2020-2021 (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
BT 08: Fundamentals of Mycology	3.56	3.19	3.52	3.44	3.19	3.26	3.30
BT 09: Fundamentals of Immunology	3.63	3.48	3.78	3.56	3.26	3.56	3.48
BT 10: Introduction to Molecular Biology-I	3.93	3.67	3.78	3.85	3.74	3.96	3.74
BTP 04: Biotechnology Practical	3.56	3.70	3.52	3.56	3.44	3.56	3.52
MB-401: Biological Molecules	3.70	3.48	3.78	3.63	3.63	3.63	3.52
MB-402: Mycology, Phycology and Protozoology	3.33	3.22	3.44	3.22	3.15	3.41	3.33
MB-403: Microbial Ecosystems	3.52	3.33	3.26	3.22	3.37	3.44	3.30
MB-404: Microbiology Practicals	3.48	3.22	3.26	3.37	3.26	3.48	3.19
GE: Statistical Methods-II	3.70	3.74	3.63	3.52	3.67	3.67	3.74
FC: Written and Spoken Communication Skills	2.93	2.74	2.78	2.67	2.85	2.81	2.78

Semester 4: Biotechnology

Table and Graphs (Score out of 5)



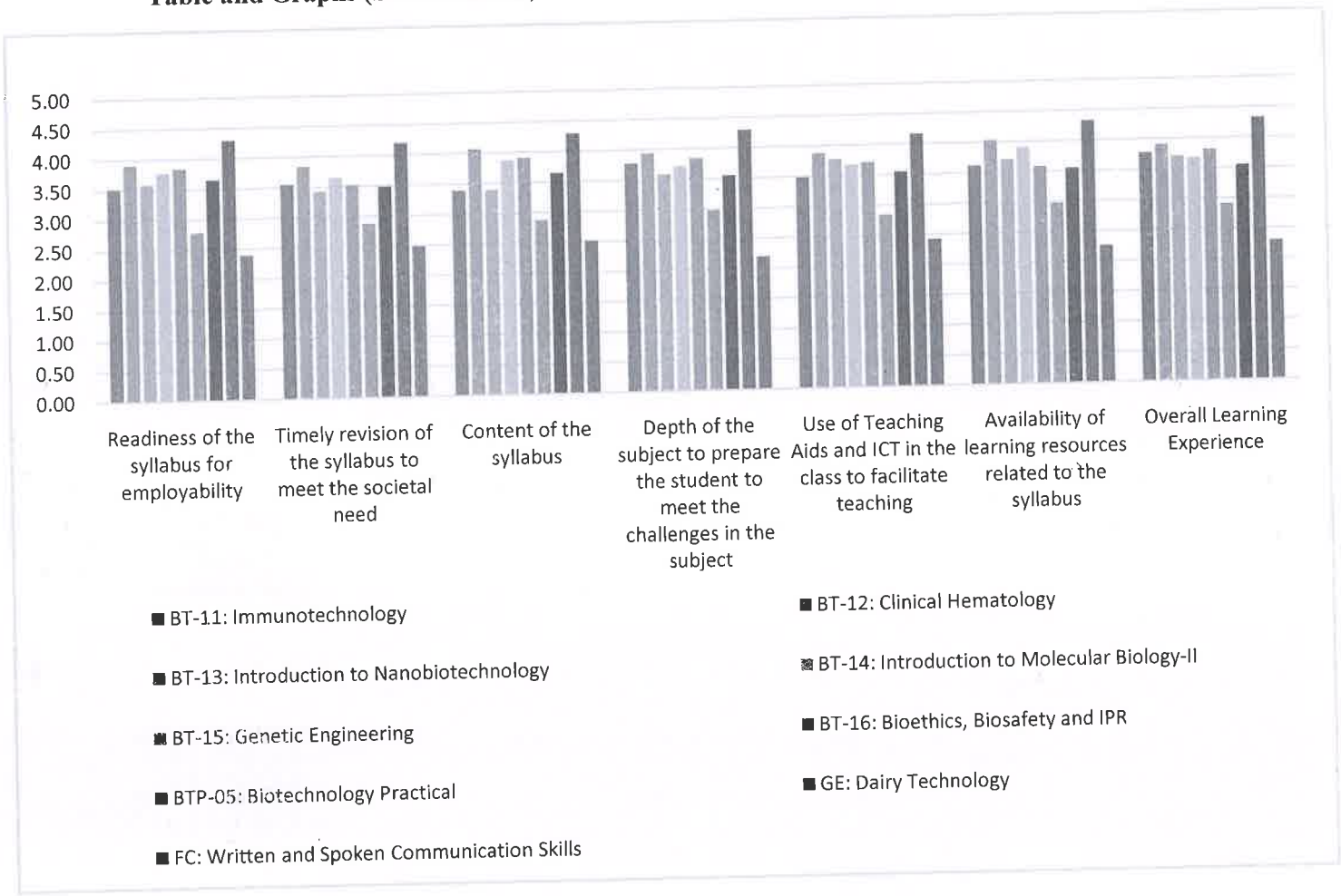
Semester 5: Biotechnology

Table and Graphs (Score out of 5)

Academic Year 2020-2021(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
BT-11: Immunotechnology	3.52	3.55	3.39	3.77	3.48	3.61	3.77
BT-12: Clinical Hematology	3.90	3.84	4.06	3.94	3.87	4.03	3.90
BT-13: Introduction to Nanobiotechnology	3.58	3.42	3.39	3.58	3.77	3.71	3.71
BT-14: Introduction to Molecular Biology-II	3.77	3.65	3.87	3.71	3.68	3.90	3.68
BT-15: Genetic Engineering	3.84	3.52	3.90	3.84	3.71	3.58	3.81
BT-16: Bioethics, Biosafety and IPR	2.77	2.87	2.87	2.97	2.84	2.97	2.90
BTP-05: Biotechnology Practical	3.65	3.48	3.65	3.55	3.55	3.55	3.55
GE: Dairy Technology	4.29	4.19	4.29	4.29	4.16	4.32	4.32
FC: Written and Spoken Communication Skills	2.39	2.48	2.52	2.19	2.42	2.26	2.29

Semester 5: Biotechnology

Table and Graphs (Score out of 5)



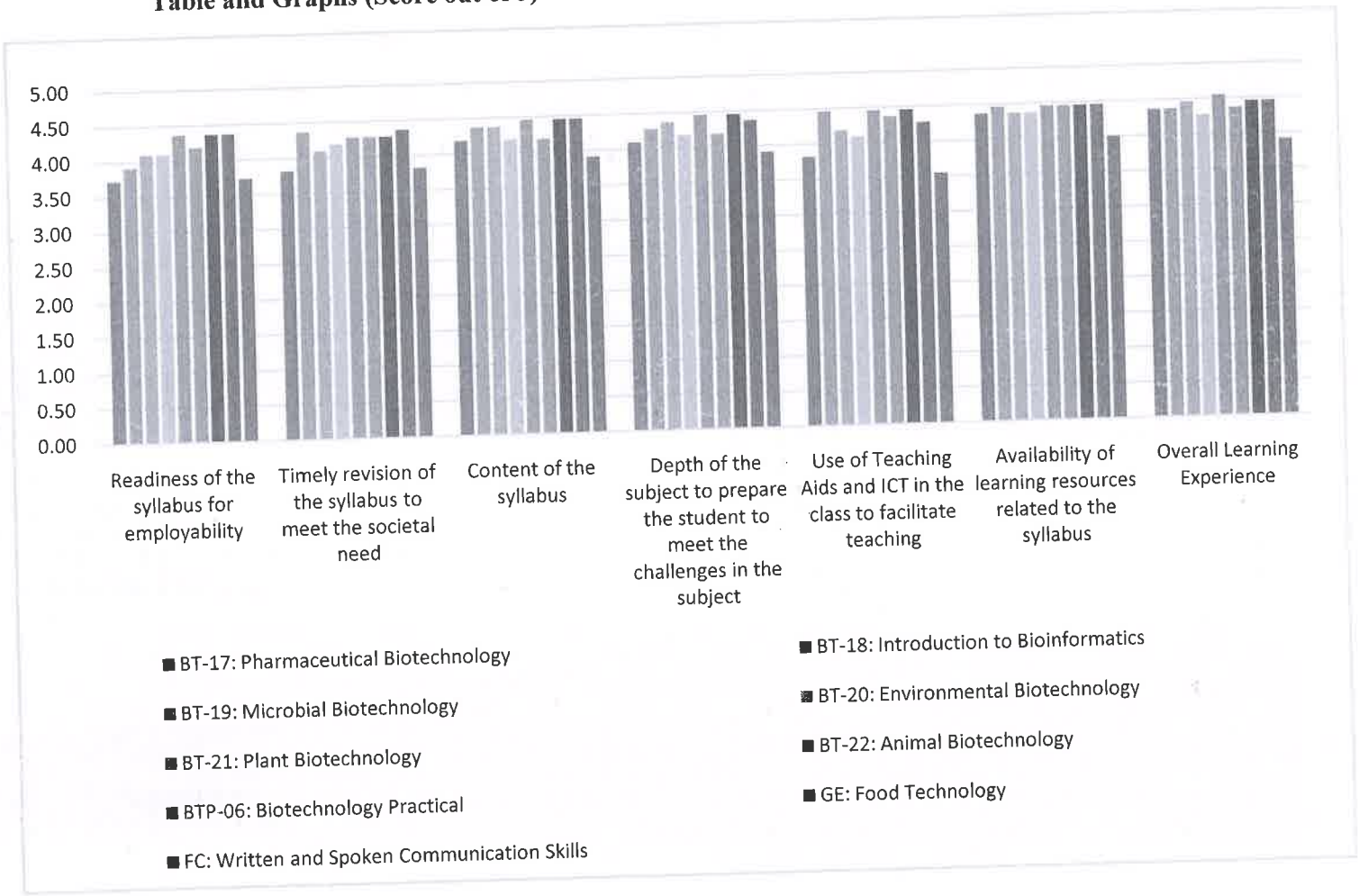
Semester 6: Biotechnology

Table and Graphs (Score out of 5)

Academic Year 2020-2021(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
BT-17: Pharmaceutical Biotechnology	3.73	3.82	4.18	4.09	3.82	4.36	4.36
BT-18: Introduction to Bioinformatics	3.91	4.36	4.36	4.27	4.45	4.45	4.36
BT-19: Microbial Biotechnology	4.09	4.09	4.36	4.36	4.18	4.36	4.45
BT-20: Environmental Biotechnology	4.09	4.18	4.18	4.18	4.09	4.36	4.27
BT-21: Plant Biotechnology	4.36	4.27	4.45	4.45	4.45	4.45	4.55
BT-22: Animal Biotechnology	4.18	4.27	4.18	4.18	4.36	4.45	4.36
BTP-06: Biotechnology Practical	4.36	4.27	4.45	4.45	4.45	4.45	4.45
GE: Food Technology	4.36	4.36	4.45	4.36	4.27	4.45	4.45
FC: Written and Spoken Communication Skills	3.73	3.82	3.91	3.91	3.55	4.00	3.91

Semester 6: Biotechnology

Table and Graphs (Score out of 5)



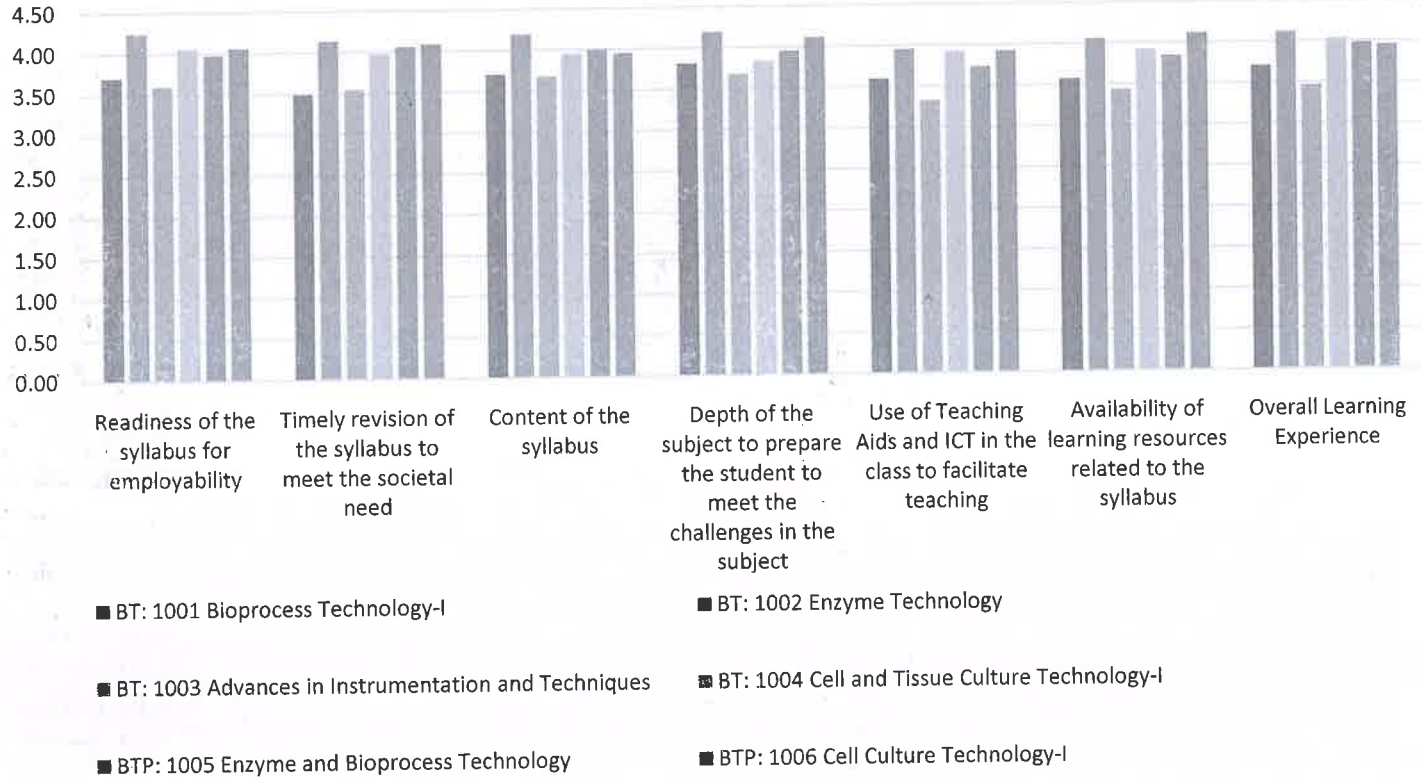
Semester 7: Biotechnology

Table and Graphs (Score out of 5)

Academic Year 2020-2021 (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
BT: 1001 Bioprocess Technology-I	3.70	3.49	3.70	3.81	3.59	3.57	3.70
BT: 1002 Enzyme Technology	4.24	4.14	4.19	4.19	3.95	4.05	4.11
BT: 1003 Advances in Instrumentation and Techniques	3.59	3.54	3.68	3.68	3.32	3.43	3.46
BT: 1004 Cell and Tissue Culture Technology-I	4.05	3.97	3.95	3.84	3.92	3.92	4.03
BTP: 1005 Enzyme and Bioprocess Technology	3.97	4.05	4.00	3.95	3.73	3.84	3.97
BTP: 1006 Cell Culture Technology-I	4.05	4.08	3.95	4.11	3.92	4.11	3.95

Semester 7: Biotechnology

Table and Graphs (Score out of 5)



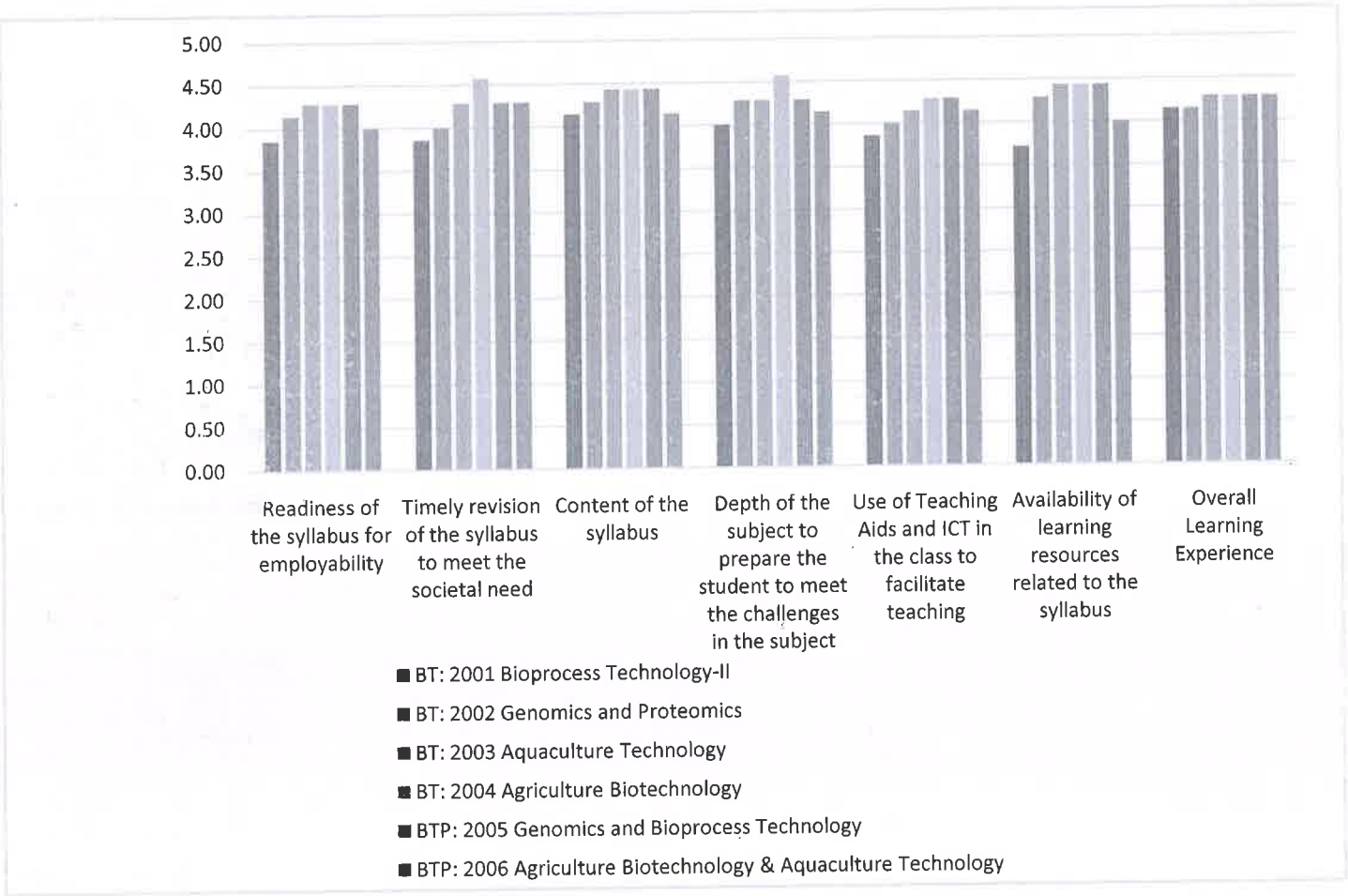
Semester 8: Biotechnology

Table and Graphs (Score out of 5)

Academic Year 2020-2021 (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
BT: 2001 Bioprocess Technology-II	3.86	3.86	4.14	4.00	3.86	3.71	4.14
BT: 2002 Genomics and Proteomics	4.14	4.00	4.29	4.29	4.00	4.29	4.14
BT: 2003 Aquaculture Technology	4.29	4.29	4.43	4.29	4.14	4.43	4.29
BT: 2004 Agriculture Biotechnology	4.29	4.57	4.43	4.57	4.29	4.43	4.29
BTP: 2005 Genomics and Bioprocess Technology	4.29	4.29	4.43	4.29	4.29	4.43	4.29
BTP: 2006 Agriculture Biotechnology & Aquaculture Technology	4.00	4.29	4.14	4.14	4.14	4.00	4.29

Semester 8: Biotechnology

Table and Graphs (Score out of 5)



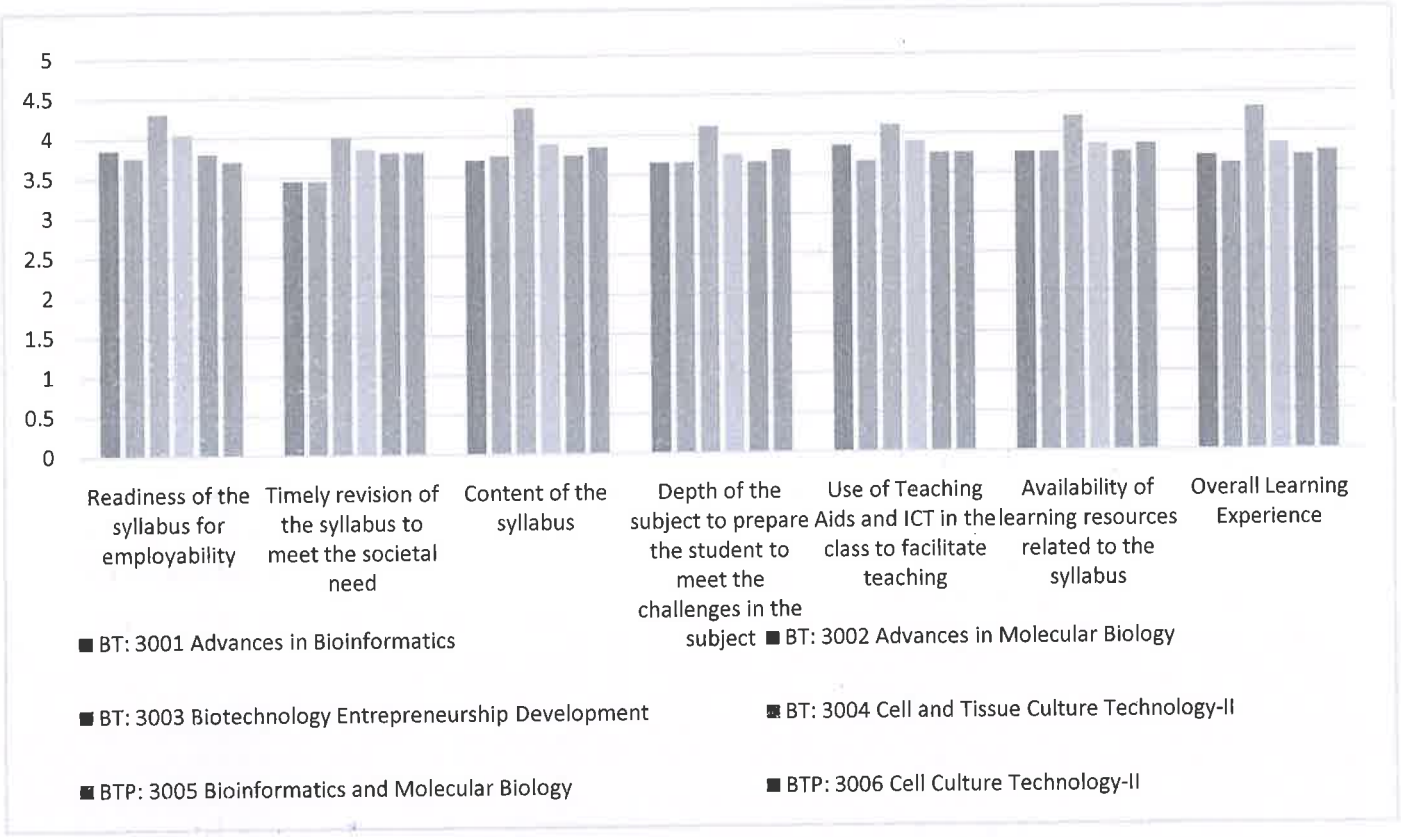
Semester 9: Biotechnology

Table and Graphs (Score out of 5)

Academic Year 2020-2021 (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
BT: 3001 Advances in Bioinformatics	3.85	3.45	3.7	3.65	3.85	3.75	3.7
BT: 3002 Advances in Molecular Biology	3.75	3.45	3.75	3.65	3.65	3.75	3.6
BT: 3003 Biotechnology Entrepreneurship Development	4.3	4	4.35	4.1	4.1	4.2	4.3
BT: 3004 Cell and Tissue Culture Technology-II	4.05	3.85	3.9	3.75	3.9	3.85	3.85
BTP: 3005 Bioinformatics and Molecular Biology	3.8	3.8	3.75	3.65	3.75	3.75	3.7
BTP: 3006 Cell Culture Technology-II	3.7	3.8	3.85	3.8	3.75	3.85	3.75

Semester 9: Biotechnology

Table and Graphs (Score out of 5)



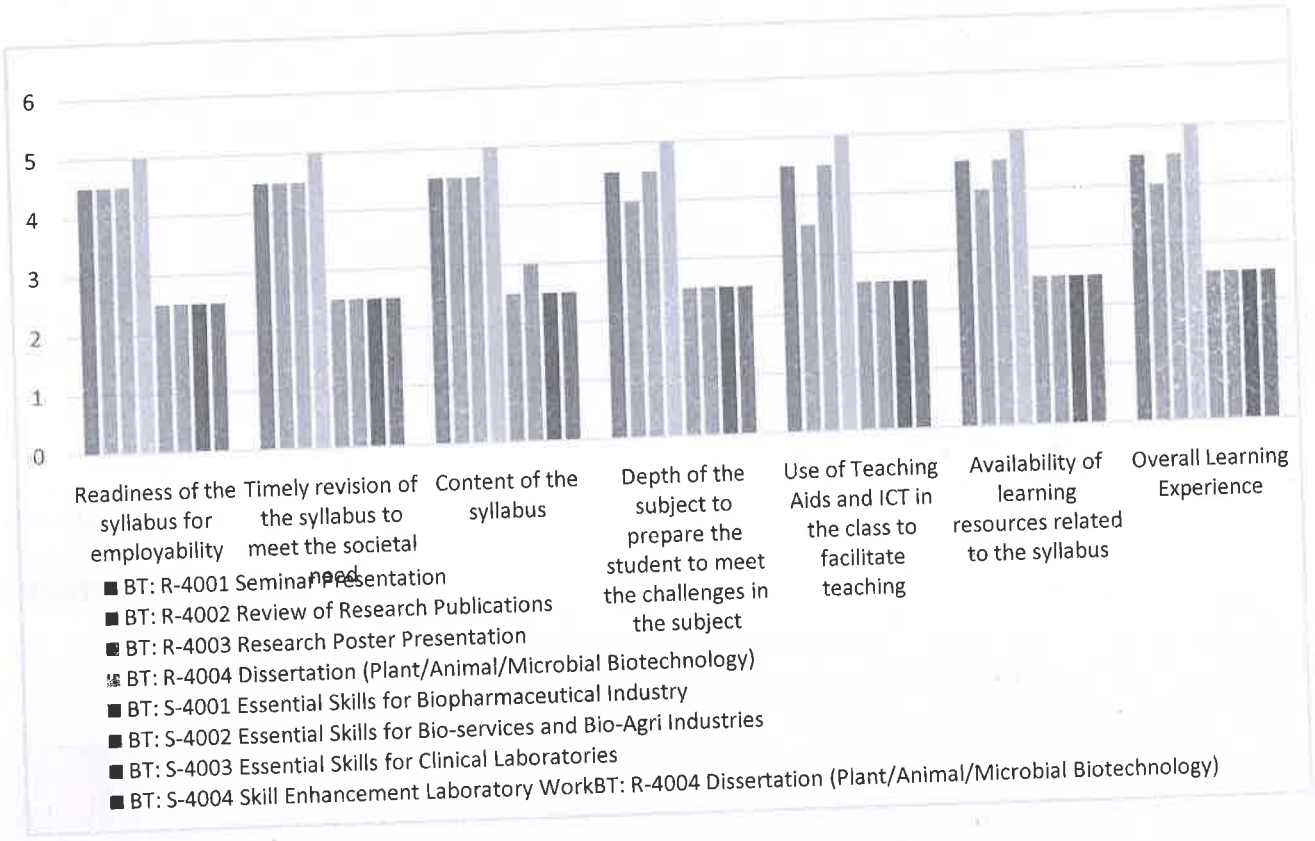
Semester 10: Biotechnology

Table and Graphs (Score out of 5)

Academic Year 2020-2021 (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
BT: R-4001 Seminar Presentation	4.5	4.5	4.5	4.5	4.5	4.5	4.5
BT: R-4002 Review of Research Publications	4.5	4.5	4.5	4	3.5	4	4
BT: R-4003 Research Poster Presentation	4.50	4.50	4.50	4.50	4.50	4.50	4.50
BT: R-4004 Dissertation (Plant/Animal/Microbial Biotechnology)	5.00	5.00	5.00	5.00	5.00	5.00	5.00
BT: S-4001 Essential Skills for Biopharmaceutical Industry	2.50	2.50	2.50	2.50	2.50	2.50	2.50
BT: S-4002 Essential Skills for Bio-services and Bio-Agri Industries	2.50	2.50	3.00	2.50	2.50	2.50	2.50
BT: S-4003 Essential Skills for Clinical Laboratories	2.50	2.50	2.50	2.50	2.50	2.50	2.50
BT: S-4004 Skill Enhancement Laboratory WorkBT: R-4004 Dissertation (Plant/Animal/Microbial Biotechnology)	2.50	2.50	2.50	2.50	2.50	2.50	2.50

Semester 10: Biotechnology

Table and Graphs (Score out of 5)



Coordinator
Department of Biotechnology
Veer Narmad South Gujarat University,
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યુનિવર્સિટી કેમ્પસ, ઉધના-મગદલ્લા રોડ, સુરત - ૩૯૫ ૦૦૭, ગુજરાત, ભારત.
Tel : +91 - 261 - 2227141 to 2227146, Toll Free : 1800 2333 011, Fax : +91 - 261 - 2227312
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Annexure 2: Faculty Feedback Analysis

Department of Biotechnology

Feedback received from Students

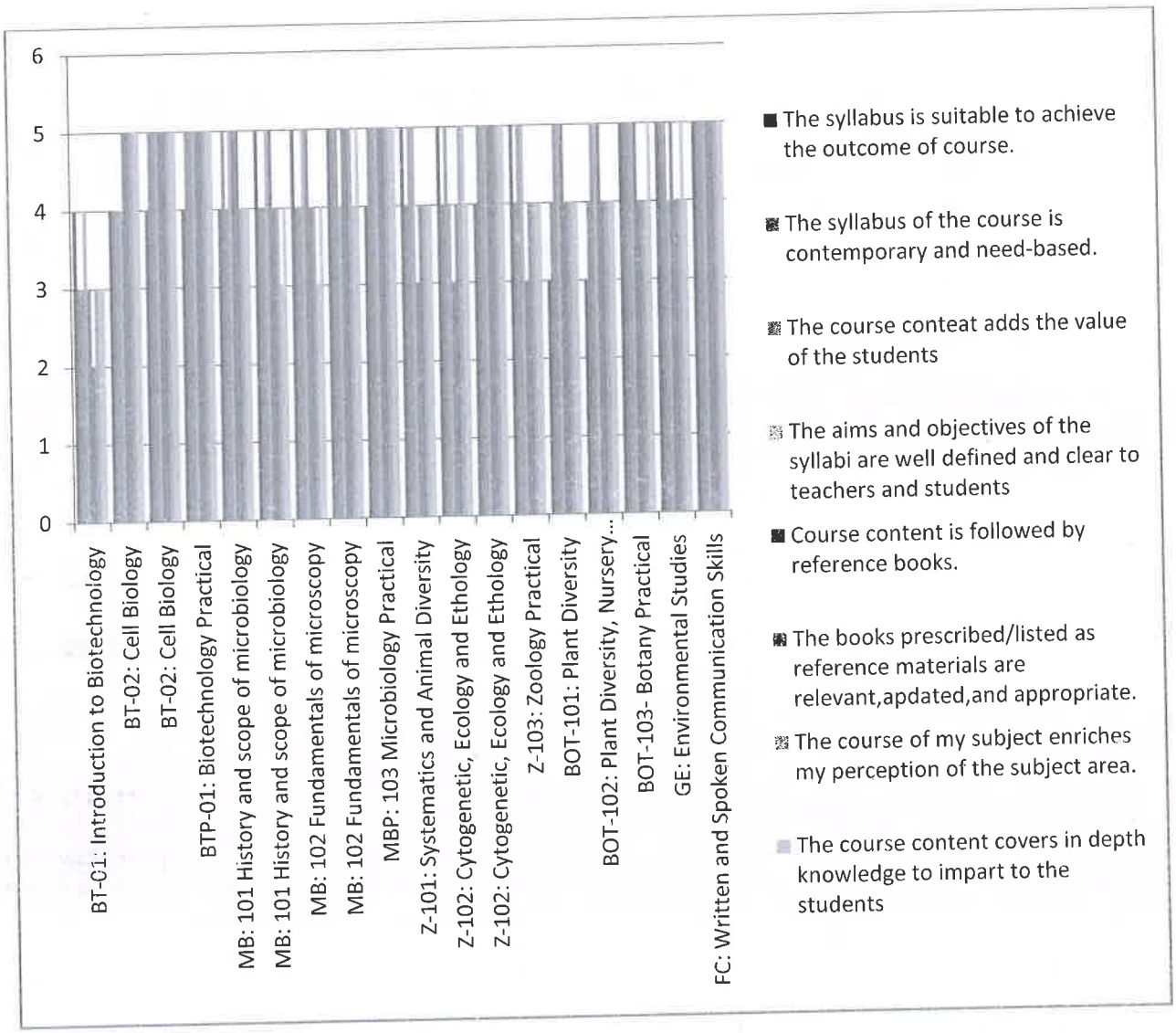
Academic Year 2020-2021

Semester -1 to 10 (Biotechnology)

Semester : 1 B.Sc. Biotechnology

Table: Score per question (2020-2021 Semester : 1 B.Sc. Biotechnology)									
course Name	The syllabus is suitable to achieve the outcome of course.	The syllabus of the course is contemporary and need-based.	The course content adds the value of the students	The aims and objectives of the syllabi are well defined and clear to teachers and students	Course content is followed by reference books.	The books prescribed/listed as reference materials are relevant, updated,and appropriate.	The course of my subject enriches my perception of the subject area.	The course content covers in depth knowledge to impart to the students	Total contact is sufficient to complete within stipulated time assign to cover the entire syllabus
BT-01: Introduction to Biotechnology	4	3	3	4	3	2	3	3	3
BT-02: Cell Biology	4	4	4	4	5	5	5	5	5
BT-02: Cell Biology	4	5	5	5	5	5	5	5	5
BTP-01: Biotechnology Practical	4	5	5	5	5	5	5	5	5
MB: 101 History and scope of microbiology	4	5	4	5	5	5	4	4	4
MB: 101 History and scope of microbiology	5	4	4	5	5	4	4	3	4
MB: 102 Fundamentals of microscopy	5	4	4	5	5	4	4	3	4
MB: 102 Fundamentals of microscopy	5	5	5	4	5	5	5	4	5
MBP: 103 Microbiology Practical	4	5	5	5	5	5	5	5	5
Z-101: Systematics and Animal Diversity	5	4	5	5	3	4	4	4	4
Z-102: Cytogenetic, Ecology and Ethology	5	4	5	4	3	4	5	5	4
Z-102: Cytogenetic, Ecology and Ethology	4	5	5	5	5	5	5	5	5
Z-103: Zoology Practical	5	4	5	5	3	4	4	4	4
BOT-101: Plant Diversity	3	4	5	5	5	4	4	4	4
BOT-102: Plant Diversity, Nursery Management and Utilization	3	4	5	5	5	4	4	4	4
BOT-103- Botany Practical	5	5	5	5	5	4	4	4	5
GE: Environmental Studies	5	5	5	4	5	4	4	5	4
FC: Written and Spoken Communication Skills	5	5	5	5	5	5	5	5	5

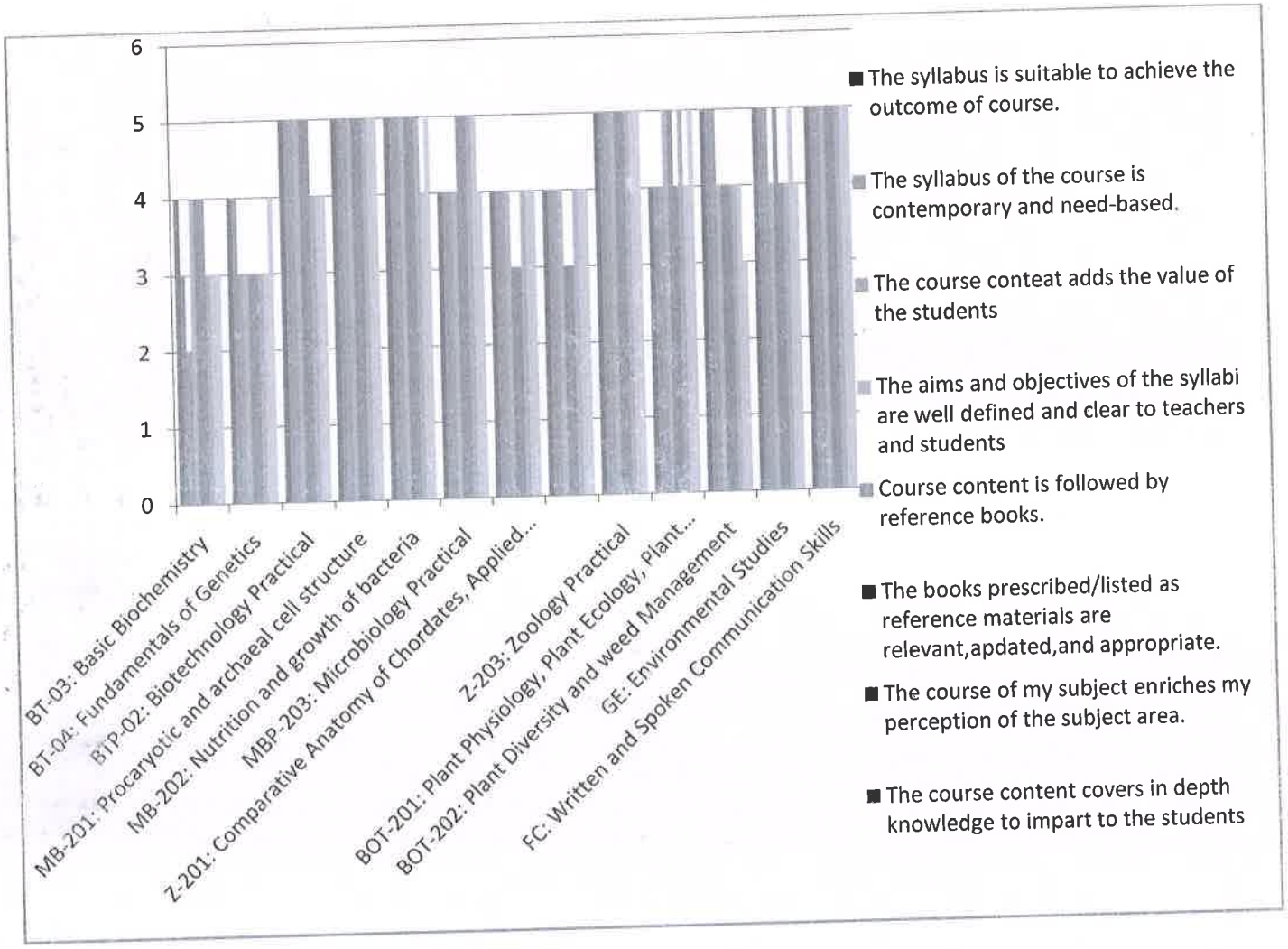
Semester : 1 B.Sc. Biotechnology



Semester : 2 B.Sc. Biotechnology

Table: Score per question (2020-2021)Semester : 2 B.Sc. Biotechnology Course Name	The syllabus is suitable to achieve the outcome of course.	The syllabus of the course is contemporary and need-based.	The course content adds the value of the students	The aims and objectives of the syllabi are well defined and clear to teachers and students	Course content is followed by reference books.	The books prescribed/listed as reference materials are relevant,updated,and appropriate.	The course of my subject enriches my perception of the subject area.	The course content covers in depth knowledge to impart to the students	Total contact is sufficient to complete within stipulated time assign to cover the entire syllabus
BT-03: Basic Biochemistry	4	3	2	4	4	4	3	3	3
BT-04: Fundamentals of Genetics	4	4	3	3	3	3	3	3	4
BTP-02: Biotechnology Practical	5	5	5	5	5	5	4	4	4
MB-201: Procaryotic and archaeal cell structure	5	5	5	5	5	5	5	5	5
MB-202: Nutrition and growth of bacteria	5	5	5	5	5	5	5	4	5
MBP-203: Microbiology Practical	4	4	4	4	5	5	5	5	4
Z-201: Comparative Anatomy of Chordates, Applied Zoology, Wildlife Biology	4	4	4	4	3	3	4	4	4
Z-202: Life Processes, Biochemistry, Immunology And Tissue System	4	4	4	4	3	3	4	4	4
Z-203: Zoology Practical	5	5	5	5	5	5	5	5	5
BOT-201: Plant Physiology, Plant Ecology, Plant Anatomy, Medicinal Plants and Plant Pathology	4	4	4	5	5	4	5	4	5
BOT-202: Plant Diversity and weed Management	5	5	5	4	4	4	4	4	3
GE: Environmental Studies	5	5	5	4	5	4	4	5	4
FC: Written and Spoken Communication Skills	5	5	5	5	5	5	5	5	5

Semester : 2 B.Sc. Biotechnology

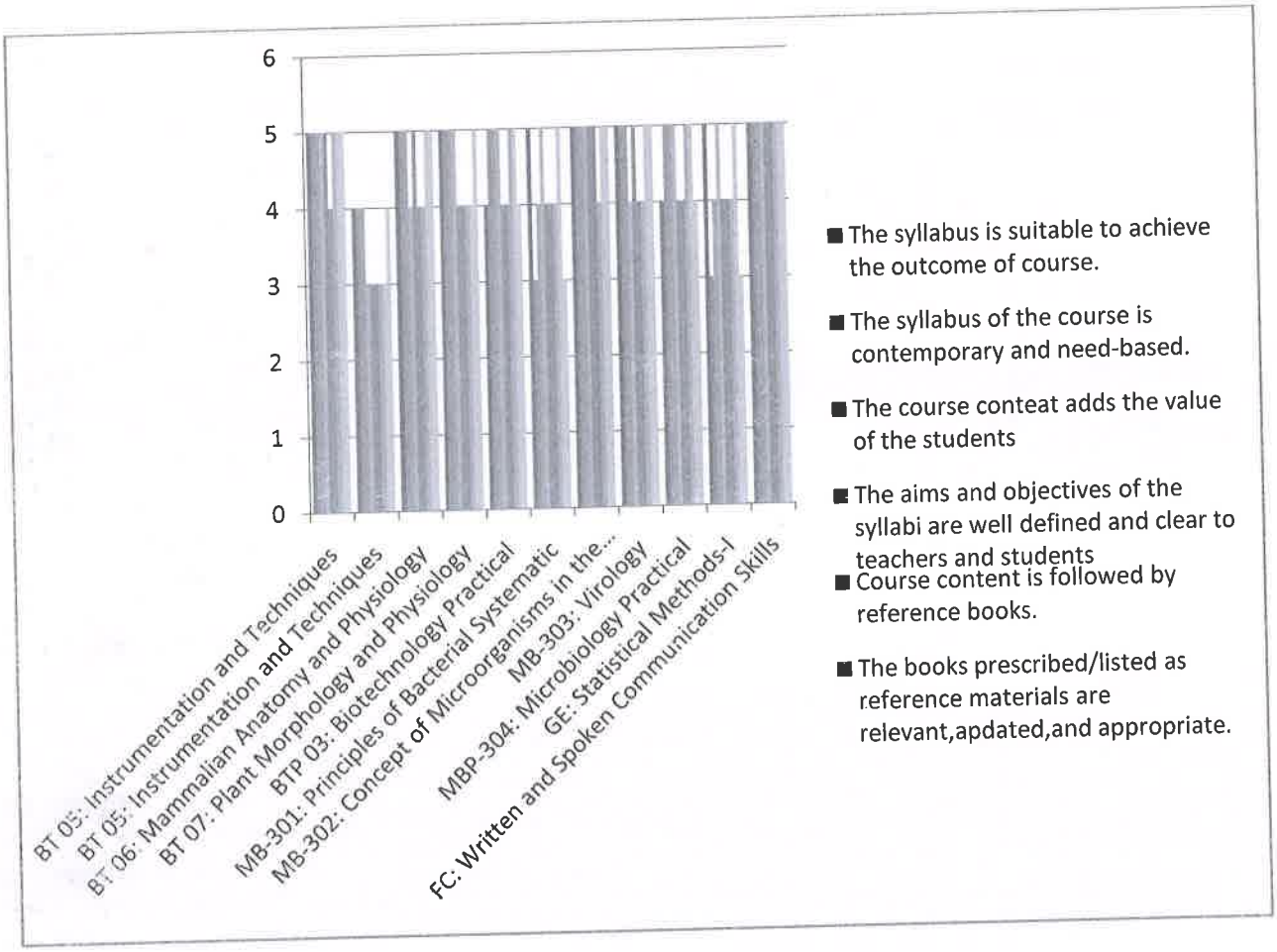


Semester : 3 B.Sc. Biotechnology

Table: Score per question (2020-2021 Semester : 3 B.Sc. Biotechnology)

Course Name	The syllabus is suitable to achieve the outcome of course.	The syllabus of the course is contemporary and need-based.	The course content adds the value of the students	The aims and objectives of the syllabi are well defined and clear to teachers and students	Course content is followed by reference books.	The books prescribed/listed as reference materials are relevant,updated,and appropriate.	The course of my subject enriches my perception of the subject area.	The course content covers in depth knowledge to impart to the students	Total contact is sufficient to complete within stipulated time assign to cover the entire syllabus
BT 05: Instrumentation and Techniques	5	5	5	5	5	4	5	5	5
BT 05: Instrumentation and Techniques	4	4	4	3	3	3	3	3	4
BT 06: Mammalian Anatomy and Physiology	5	5	5	4	5	4	4	5	5
BT 07: Plant Morphology and Physiology	5	5	5	5	4	4	4	4	5
BTP 03: Biotechnology Practical	4	5	5	5	4	4	5	5	4
MB-301: Principles of Bacterial Systematic	5	3	4	5	4	4	4	5	3
MB-302: Concept of Microorganisms in the Environment	5	5	5	5	5	5	4	5	5
MB-303: Virology	5	5	5	4	5	4	4	5	5
MBP-304: Microbiology Practical	4	5	5	5	4	4	5	5	4
GE: Statistical Methods-I	5	3	4	5	4	4	4	5	3
FC: Written and Spoken Communication Skills	5	5	5	5	5	5	5	5	5

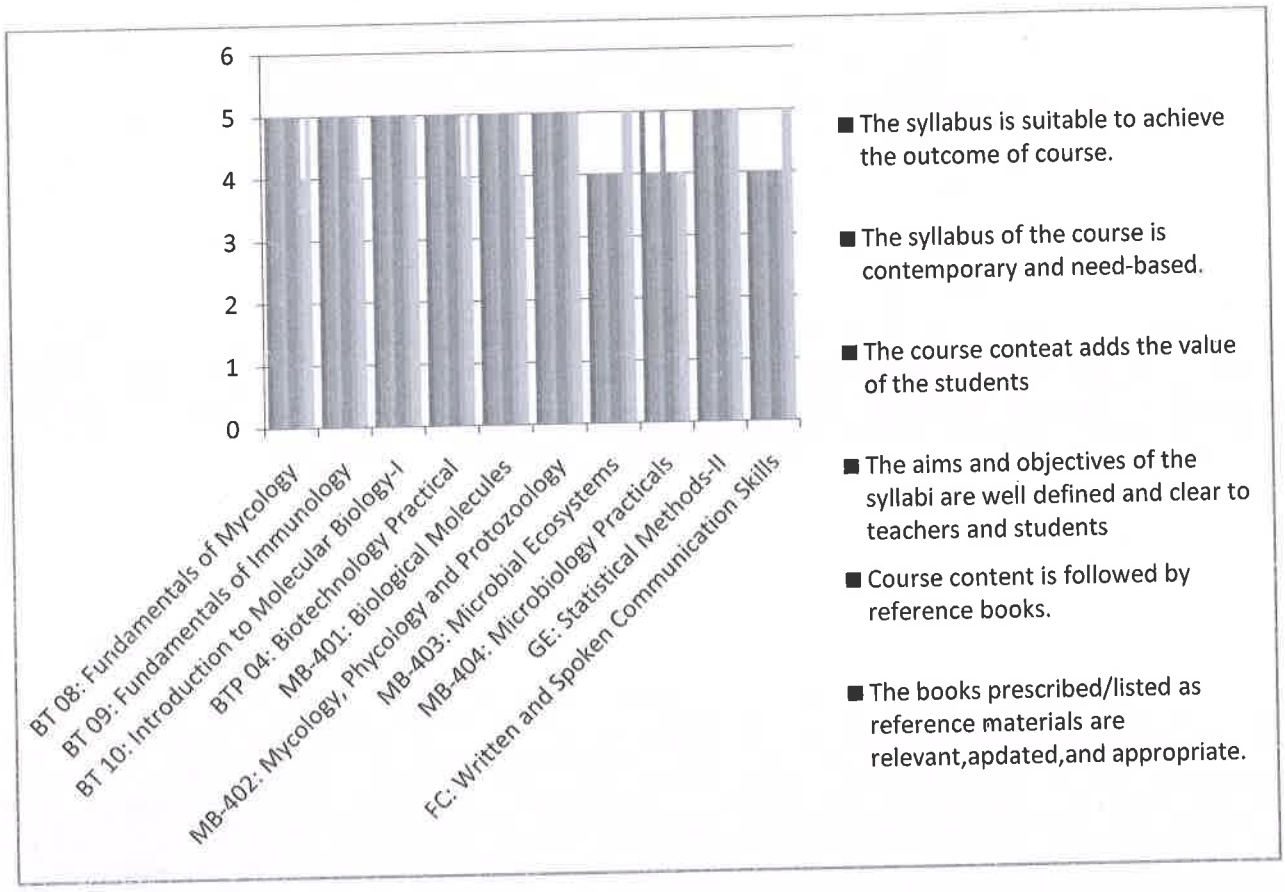
Semester : 3 B.Sc. Biotechnology



Semester :4 B.Sc. Biotechnology

Table: Score per question (2020-2021 Semester : 4 B.Sc. Biotechnology)									
Course Name	The syllabus is suitable to achieve the outcome of course.	The syllabus of the course is contemporary and need-based.	The course content adds the value of the students	The aims and objectives of the syllabi are well defined and clear to teachers and students	Course content is followed by reference books.	The books prescribed/listed as reference materials are relevant,updated,and appropriate.	The course of my subject enriches my perception of the subject area.	The course content covers in depth knowledge to impart to the students	Total contact is sufficient to complete within stipulated time assign to cover the entire syllabus
BT 08: Fundamentals of Mycology	5	5	5	5	5	5	5	4	5
BT 09: Fundamentals of Immunology	5	5	5	5	5	5	5	5	4
BT 10: Introduction to Molecular Biology-I	5	5	5	5	5	5	5	5	5
BTP 04: Biotechnology Practical	5	5	5	5	5	5	5	4	5
MB-401: Biological Molecules	5	5	5	5	5	5	5	5	4
MB-402: Mycology, Phycology and Protozoology	5	5	5	5	5	5	5	5	5
MB-403: Microbial Ecosystems	4	4	4	4	4	4	4	5	5
MB-404: Microbiology Practicals	5	4	4	4	5	4	4	4	4
GE: Statistical Methods-II	5	5	5	5	5	5	5	5	5
FC: Written and Spoken Communication Skills	4	4	4	4	4	4	4	5	5

Semester : 4 B.Sc. Biotechnology

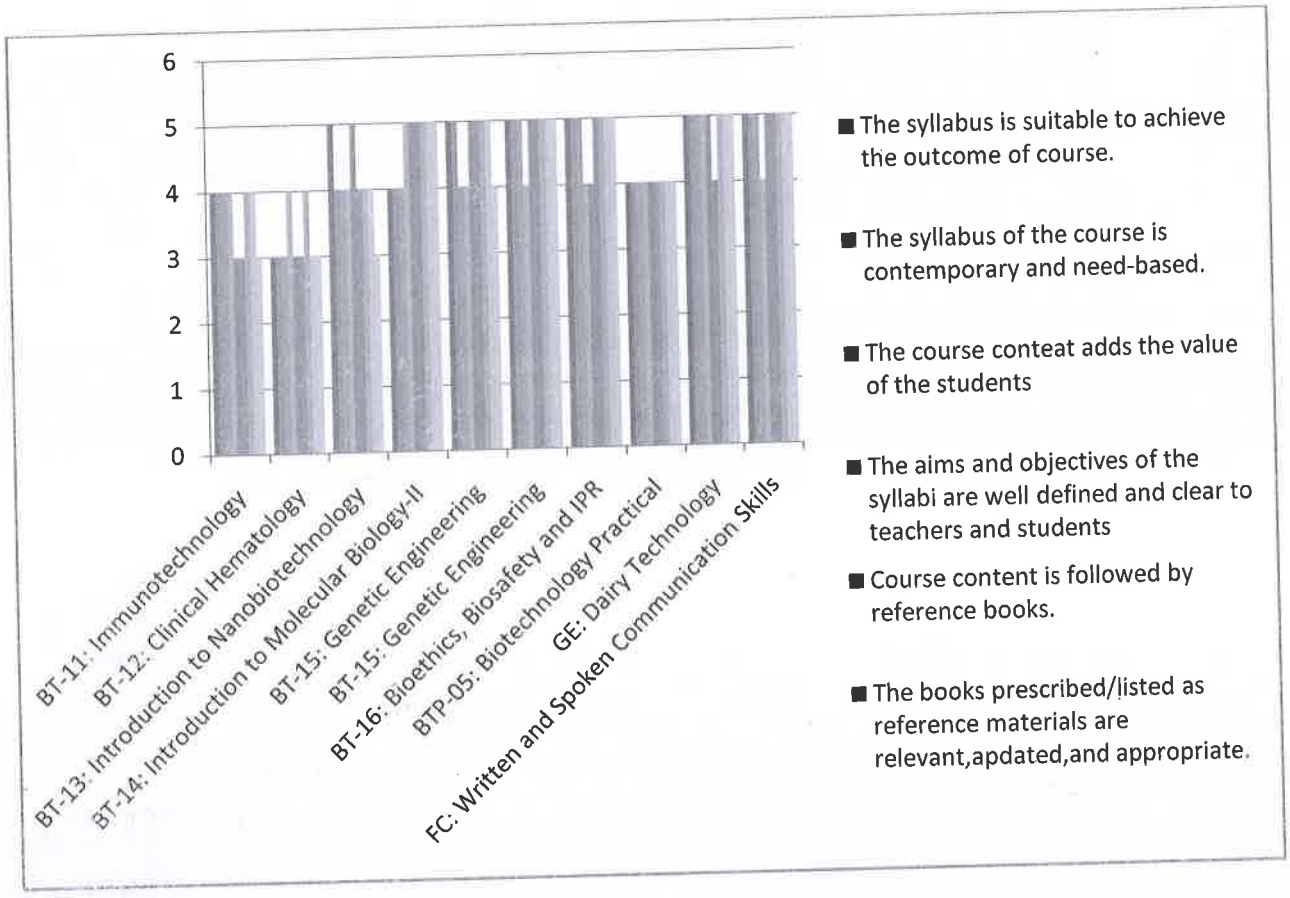


Semester :5 B.Sc. Biotechnology

Table: Score per question (2020-2021 Semester : 5 B.Sc. Biotechnology)

Course Name	The syllabus is suitable to achieve the outcome of course.	The syllabus of the course is contemporary and need-based.	The course content adds the value of the students	The aims and objectives of the syllabi are well defined and clear to teachers and students	Course content is followed by reference books.	The books prescribed/listed as reference materials are relevant,updated,and appropriate.	The course of my subject enriches my perception of the subject area.	The course content covers in depth knowledge to impart to the students	Total contact is sufficient to complete within stipulated time assign to cover the entire syllabus
BT-11: Immunotechnology	4	4	4	4	3	3	4	4	3
BT-12: Clinical Haematology	3	3	3	4	3	3	4	3	3
BT-13: Introduction to Nanobiotechnology	5	4	4	4	5	4	4	4	3
BT-14: Introduction to Molecular Biology-II	4	4	4	5	5	5	5	5	5
BT-15: Genetic Engineering	5	5	4	4	5	5	5	5	4
BT-15: Genetic Engineering	5	5	5	4	5	5	5	5	5
BT-16: Bioethics, Biosafety and IPR	5	5	5	4	4	5	5	5	5
BTP-05: Biotechnology Practical	4	4	4	4	4	4	4	4	4
GE: Dairy Technology	5	5	5	5	5	4	5	5	5
FC: Written and Spoken Communication Skills	5	5	5	4	5	5	5	5	5

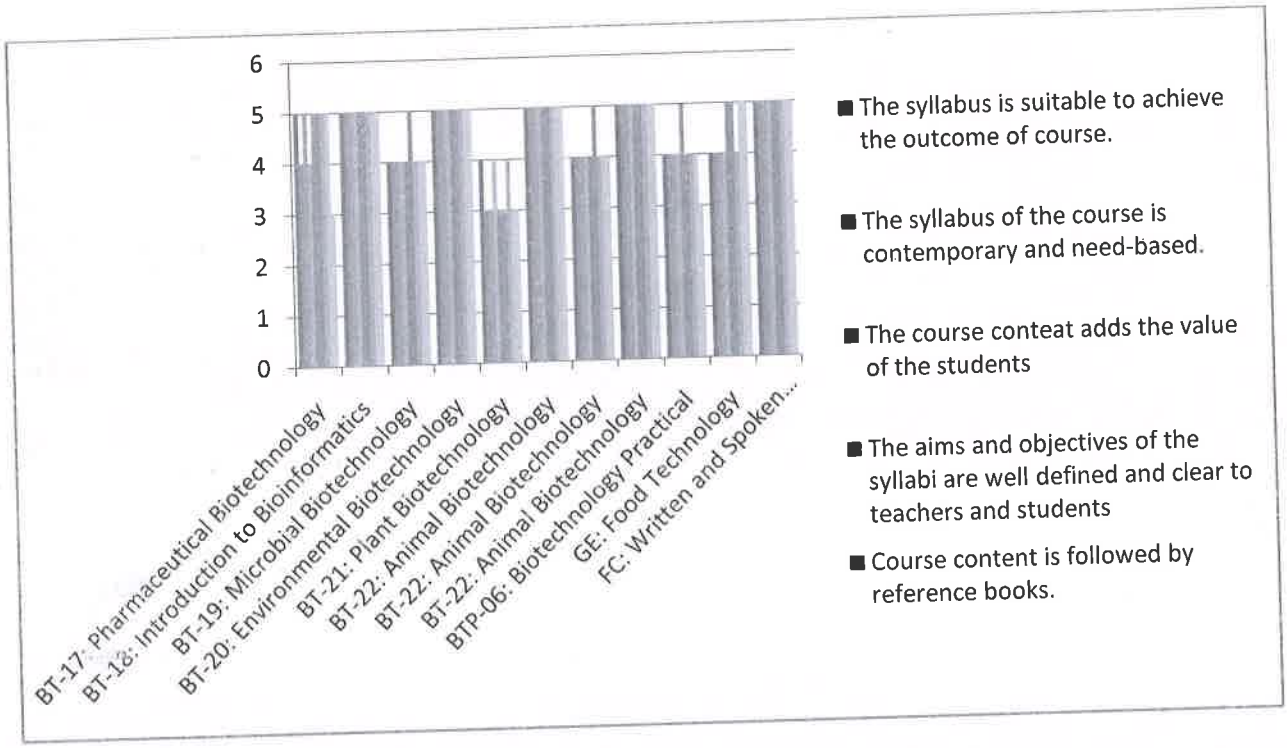
Semester : 5 B.Sc. Biotechnology



Semester :6 B.Sc. Biotechnology

Table: Score per question (2020-2021 Semester : 6 B.Sc. Biotechnology)									
Course Name	The syllabus is suitable to achieve the outcome of course.	The syllabus of the course is contemporary and need-based.	The course content adds the value of the students	The aims and objectives of the syllabi are well defined and clear to teachers and students	Course content is followed by reference books.	The books prescribed/listed as reference materials are relevant,updated,and appropriate.	The course of my subject enriches my perception of the subject area.	The course content covers in depth knowledge to impart to the students	Total contact is sufficient to complete within stipulated time assign to cover the entire syllabus
BT-17: Pharmaceutical Biotechnology	5	4	5	4	5	5	5	5	3
BT-18: Introduction to Bioinformatics	5	5	5	5	5	5	5	5	5
BT-19: Microbial Biotechnology	4	4	4	4	4	5	4	4	4
BT-20: Environmental Biotechnology	5	5	5	5	5	5	5	5	5
BT-21: Plant Biotechnology	4	3	3	4	3	3	4	3	3
BT-22: Animal Biotechnology	5	5	5	5	5	5	5	5	5
BT-22: Animal Biotechnology	4	4	4	4	4	5	4	4	4
BT-22: Animal Biotechnology	5	5	5	5	5	5	5	5	5
BTP-06: Biotechnology Practical	4	4	4	4	5	4	4	4	3
GE: Food Technology	4	4	4	4	5	5	4	5	5
FC: Written and Spoken Communication Skills	5	5	5	5	5	5	5	5	5

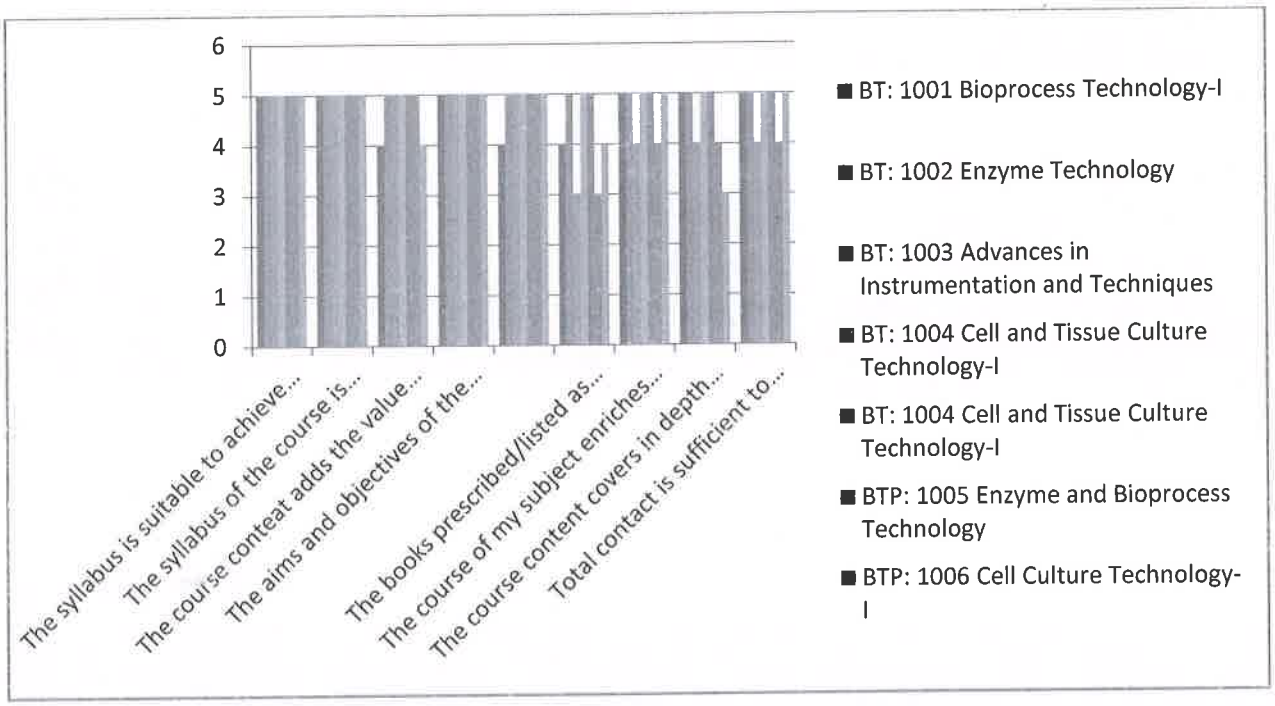
Semester : 6 B.Sc. Biotechnology



Semester :7 M.Sc. Biotechnology

Table: Score per question (2020-2021 Semester : 7 M.Sc. Biotechnology)									
Course Name	The syllabus is suitable to achieve the outcome of course.	The syllabus of the course is contemporary and need-based.	The course content adds the value of the students	The aims and objectives of the syllabi are well defined and clear to teachers and students	Course content is followed by reference books.	The books prescribed/listed as reference materials are relevant,updated,and appropriate.	The course of my subject enriches my perception of the subject area.	The course content covers in depth knowledge to impart to the students	Total contact is sufficient to complete within stipulated time assign to cover the entire syllabus
BT: 1001 Bioprocess Technology-I	5	5	4	5	4	4	5	5	5
BT: 1002 Enzyme Technology	5	5	5	5	5	5	5	5	5
BT: 1003 Advances in Instrumentation and Techniques	5	5	5	5	5	3	4	4	4
BT: 1004 Cell and Tissue Culture Technology-I	5	5	5	5	5	5	5	5	5
BT: 1004 Cell and Tissue Culture Technology-I	5	5	5	5	5	5	5	5	5
BTP: 1005 Enzyme and Bioprocess Technology	5	5	5	5	5	3	4	4	4
BTP: 1006 Cell Culture Technology-I	5	5	4	5	5	4	5	3	5

Semester : 7 M.Sc. Biotechnology

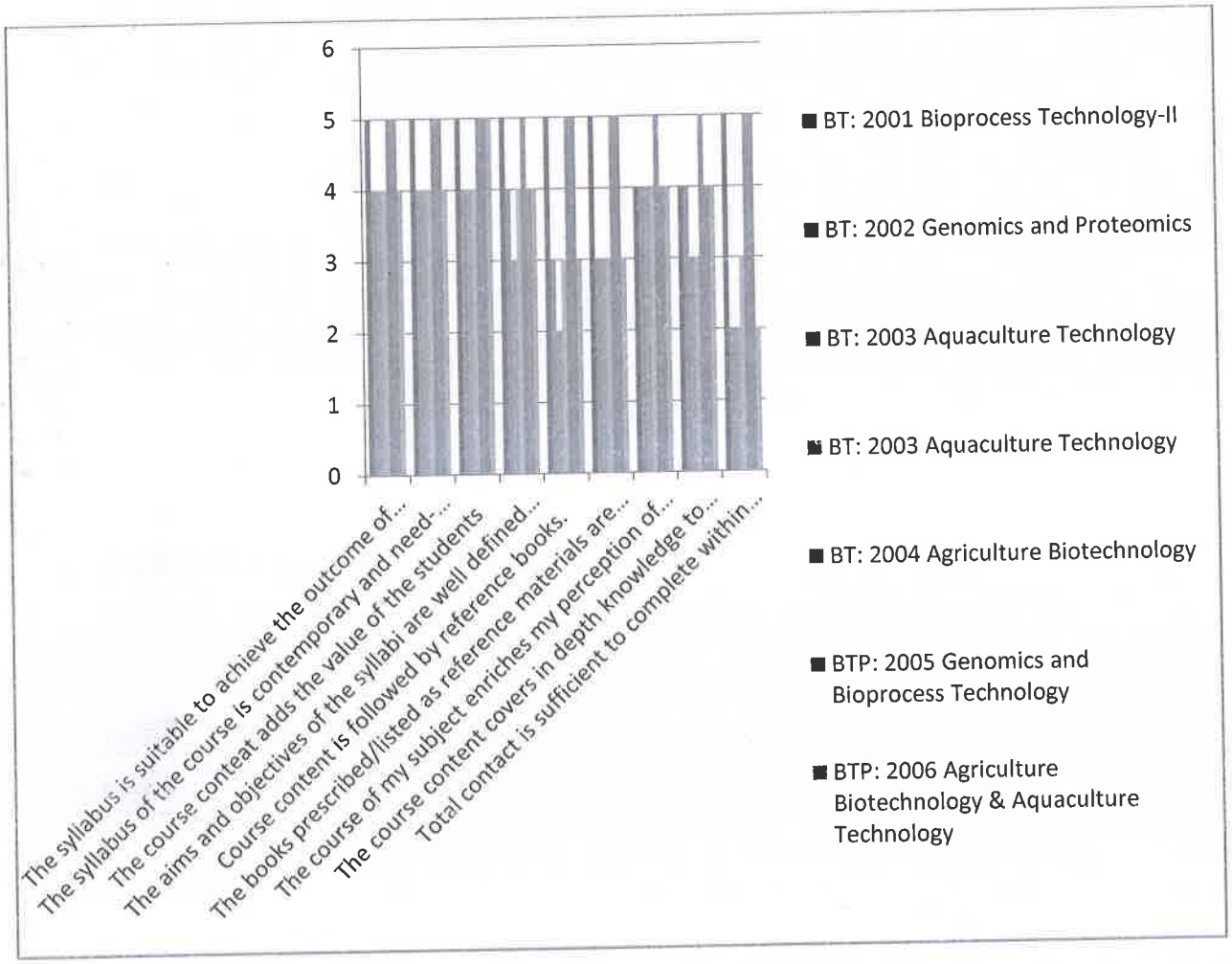


Semester :8 M.Sc. Biotechnology

Table: Score per question (2020-2021 Semester : 8 M.Sc. Biotechnology)

Course Name	The syllabus is suitable to achieve the outcome of course.	The syllabus of the course is contemporary and need-based.	The course content adds the value of the students	The aims and objectives of the syllabi are well defined and clear to teachers and students	Course content is followed by reference books.	The books prescribed/listed as reference materials are relevant,updated,and appropriate.	The course of my subject enriches my perception of the subject area.	The course content covers in depth knowledge to impart to the students	Total contact is sufficient to complete within stipulated time assign to cover the entire syllabus
BT: 2001 Bioprocess Technology-II	5	5	5	5	5	5	4	4	5
BT: 2002 Genomics and Proteomics	4	4	4	4	3	3	4	4	2
BT: 2003 Aquaculture Technology	4	4	4	3	2	3	4	3	2
BT: 2003 Aquaculture Technology	4	4	4	4	3	3	4	3	3
BT: 2004 Agriculture Biotechnology	5	5	5	5	5	5	5	5	5
BTP: 2005 Genomics and Bioprocess Technology	5	5	5	4	5	5	4	4	5
BTP: 2006 Agriculture Biotechnology & Aquaculture Technology	4	4	5	4	3	3	4	4	2

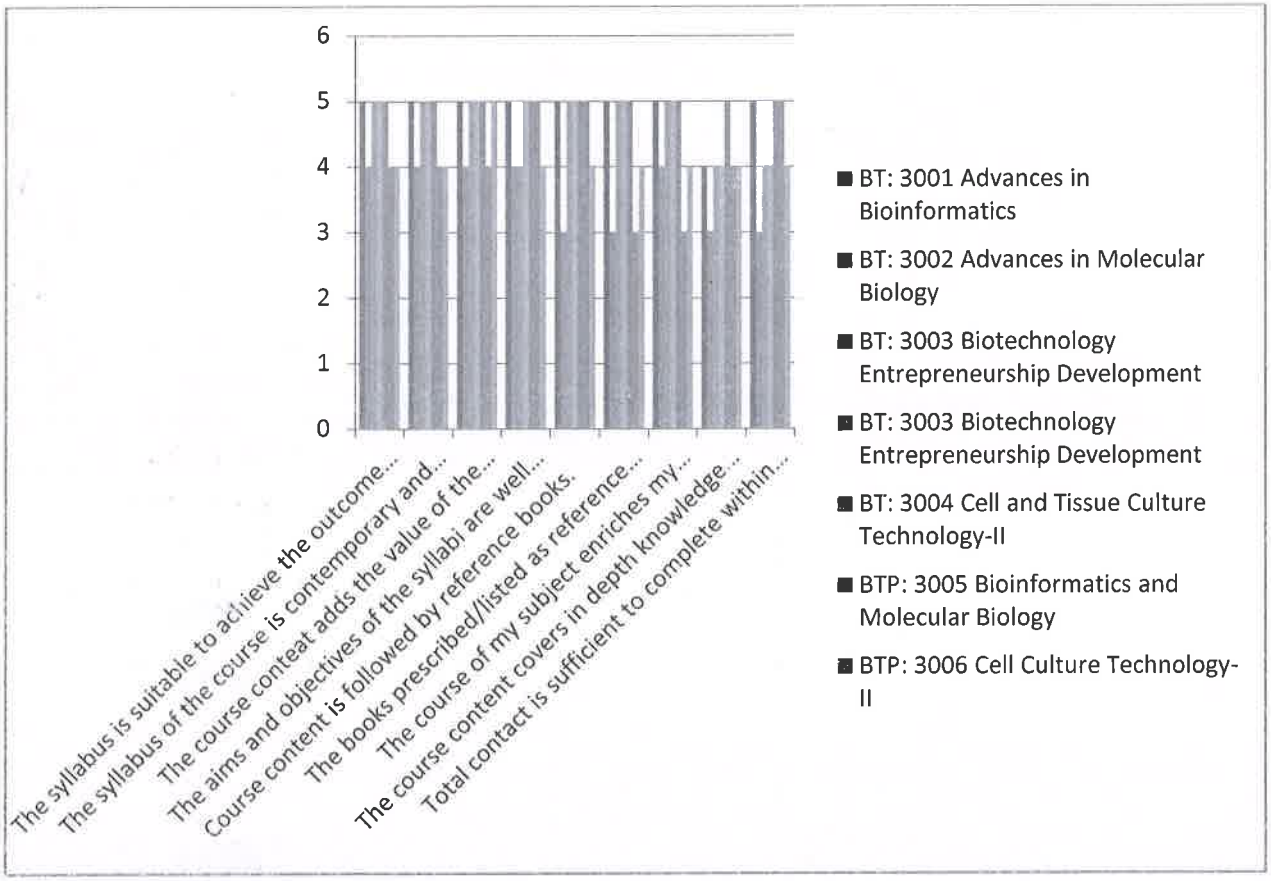
Semester : 8 M.Sc. Biotechnology



Semester :9 M.Sc. Biotechnology

Table: Score per question (2020-2021 Semester : 9 M.Sc. Biotechnology)									
Course Name	The syllabus is suitable to achieve the outcome of course.	The syllabus of the course is contemporary and need-based.	The course content adds the value of the students	The aims and objectives of the syllabi are well defined and clear to teachers and students	Course content is followed by reference books.	The books prescribed/listed as reference materials are relevant,updated,and appropriate.	The course of my subject enriches my perception of the subject area.	The course content covers in depth knowledge to impart to the students	Total contact is sufficient to complete within stipulated time assign to cover the entire syllabus
BT: 3001 Advances in Bioinformatics	5	5	5	5	5	5	5	4	5
BT: 3002 Advances in Molecular Biology	4	4	4	4	3	3	4	3	3
BT: 3003 Biotechnology Entrepreneurship Development	5	5	5	4	5	5	5	4	4
BT: 3003 Biotechnology Entrepreneurship Development	5	5	5	5	5	5	5	4	4
BT: 3004 Cell and Tissue Culture Technology-II	5	5	5	5	5	5	5	5	5
BTP: 3005 Bioinformatics and Molecular Biology	4	4	4	5	5	3	3	4	5
BTP: 3006 Cell Culture Technology-II	4	4	5	4	4	4	4	4	4

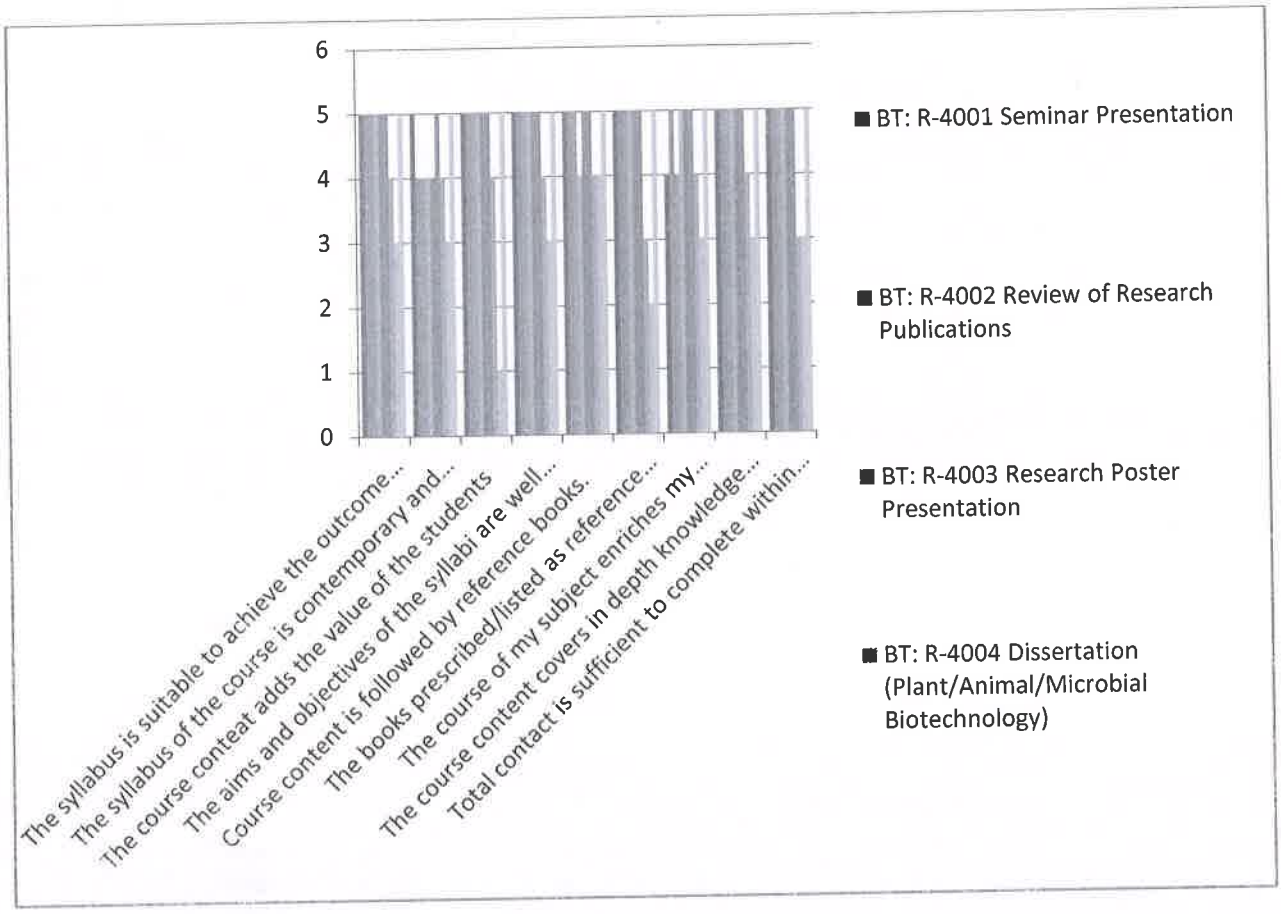
Semester : 9 M.Sc. Biotechnology



Semester :10 M.Sc. Biotechnology

Table: Score per question (2020-2021 Semester : 10 M.Sc. Biotechnology)									
Course Name	The syllabus is suitable to achieve the outcome of course.	The syllabus of the course is contemporary and need-based.	The course content adds the value of the students	The aims and objectives of the syllabi are well defined and clear to teachers and students	Course content is followed by reference books.	The books prescribed/listed as reference materials are relevant,updated,and appropriate.	The course of my subject enriches my perception of the subject area.	The course content covers in depth knowledge to impart to the students	Total contact is sufficient to complete within stipulated time assign to cover the entire syllabus
BT: R-4001 Seminar Presentation	5	5	5	5	5	5	4	5	5
BT: R-4002 Review of Research Publications	5	4	5	5	5	5	5	5	5
BT: R-4003 Research Poster Presentation	5	4	5	5	5	5	4	5	5
BT: R-4004 Dissertation (Plant/Animal/Microbial Biotechnology)	5	4	5	5	4	5	5	5	5
BT: S-4001 Essential Skills for Biopharmaceutical Industry	5	4	5	5	5	5	5	5	5
BT: S-4001 Essential Skills for Biopharmaceutical Industry	5	5	5	5	5	5	5	5	5
BT: S-4002 Essential Skills for Bio-services and Bio-Agri Industries	4	4	4	4	4	3	4	4	3
BT: S-4003 Essential Skills for Clinical Laboratories	3	3	1	3	4	2	3	3	3
BT: S-4004 Skill Enhancement Laboratory WorkBT: R-4004 Dissertation (Plant/Animal/Microbial Biotechnology)	5	5	5	5	5	5	5	5	5

Semester : 10 M.Sc. Biotechnology



Coordinator
Department of Biotechnol
Veer Narmad South Gujarat Univ
Surat - 395007 Gujarat - INDIA

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VEER NARMAD SOUTH GUJARAT UNIVERSITY
University Campus, Udhna-Magdalla Road, SURAT - 395 007, Gujarat, India.
વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી
યુનિવર્સિટી કેમ્પસ, ઉધના-મગદલ્લા રોડ, સુરત - ૩૯૫ ૦૦૭, ગુજરાત, ભારત.
Tel : +91 - 261 - 2227141 to 2227146, Toll Free : 1800 2333 011, Fax : +91 - 261 - 2227312
E-mail : info@vnsgu.ac.in, Website : www.vnsgu.ac.in

Annexure 3: Alumni Feedback Analysis

Department of Biotechnology

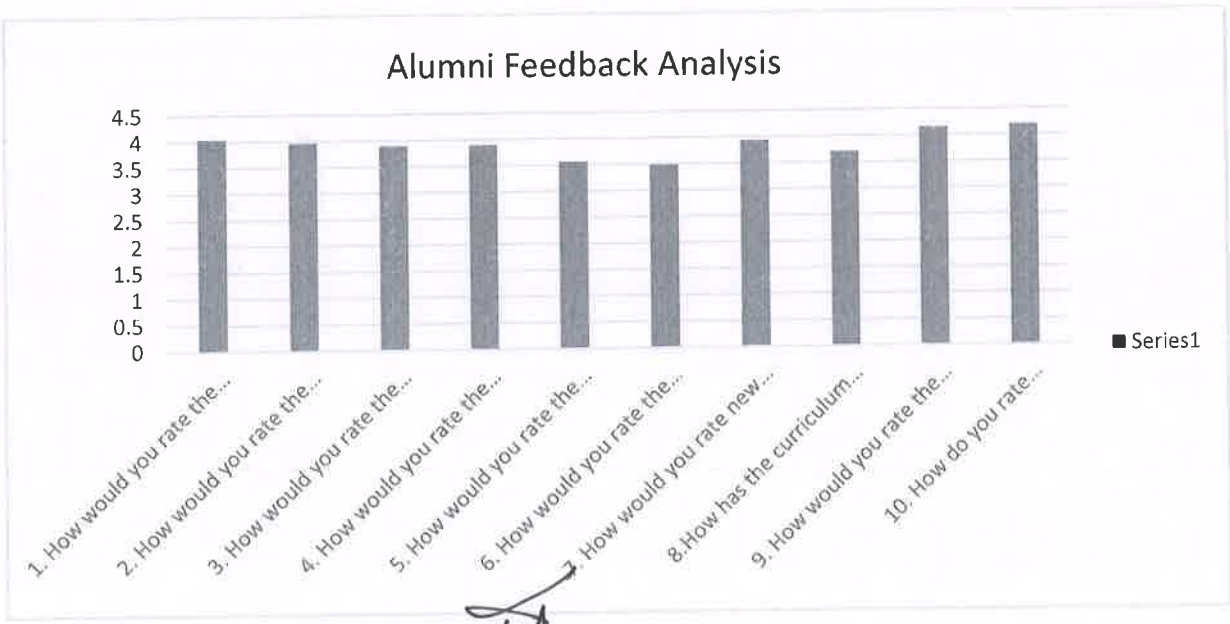
Feedback received from Students

Academic Year 2020-2021

Semester -1 to 10 (Biotechnology)

A Google form was created to get theAlumni Feedback Analysis about the curriculum. The average score per item is provided in the table and graph given below:

	1. How would you rate the curriculum prescribed for your degree during your study in the Department?	2. How would you rate the quality of education imparted in the department?	3. How would you rate the delivery of the content of the course?	4. How would you rate the course curriculum for fulfilling your expectations?	5. How would you rate the academic initiatives taken by the department to bridge the gap between job sectors & academia?	6. How would you rate the relevance of your degree to your present job?	7. How would you rate new skills learnt in the course of your study outside the curriculum?	8.How has the curriculum helped you to manage your interpersonal relations?	9. How would you rate the range of the courses included in the curriculum?	10. How do you rate development activities organized by the university department for your overall development?
Average score out of 5	4.04	3.96	3.89	3.89	3.56	3.48	3.93	3.7	4.15	4.19



Coordinator
Department of Biotechnology
Veer Narmad South Gujarat University,
Surat - 395007 Gujarat - INDIA

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VEER NARMAD SOUTH GUJARAT UNIVERSITY
University Campus, Udhna-Magdalla Road, SURAT - 395 007, Gujarat, India.
વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી
યુનિવર્સિટી કેમ્પસ, ઉધના-મગદલ્લા રોડ, સુરત - ૩૯૫ ૦૦૭, ગુજરાત, ભારત.
Tel : +91 - 261 - 2227141 to 2227146, Toll Free : 1800 2333 011, Fax : +91 - 261 - 2227312
E-mail : info@vnsgu.ac.in, Website : www.vnsgu.ac.in

Annexure 4: Employer Feedback Analysis

Department of Biotechnology

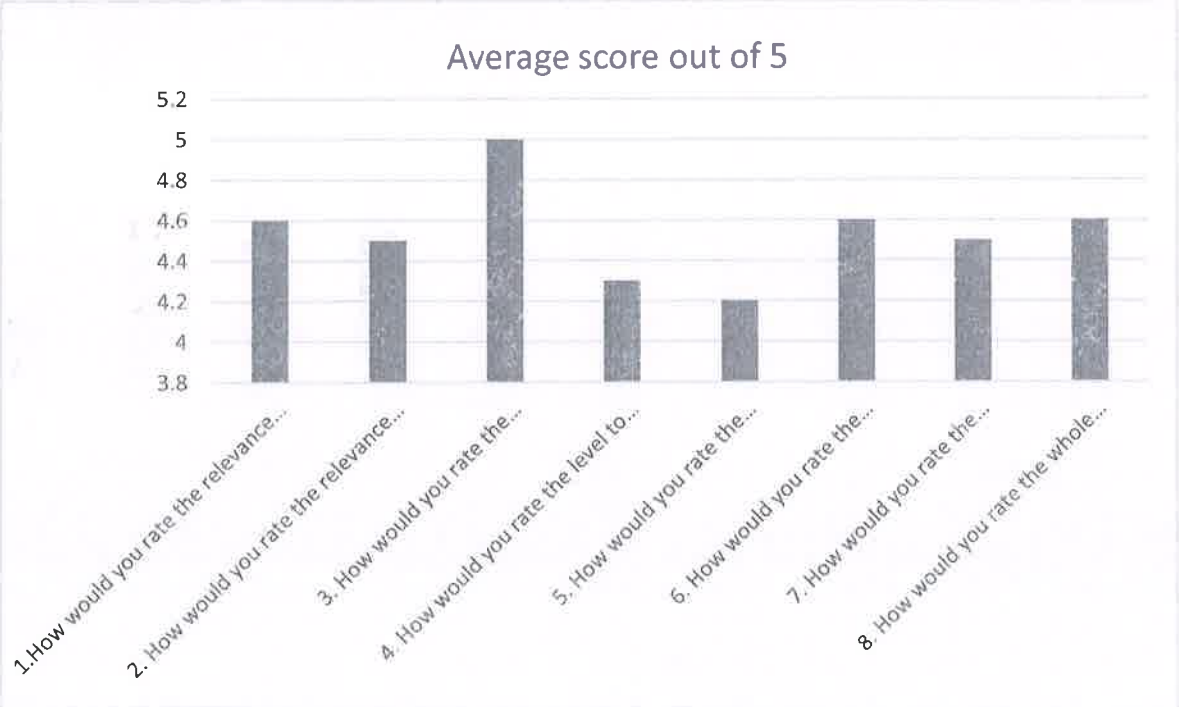
Feedback received from Students

Academic Year 2020-2021

Semester -1 to 10 (Biotechnology)

A Google form was created to get the Employer Feedback Analysisabout the curriculum. The average score per item is provided in the table and graph given below:

	1.How would you rate the relevance of the courses in relation to the program?	2. How would you rate the relevance of the program to the requirement of the industry / institution?	3. How would you rate the competence of students to meet the needs of the industry/organization?	4. How would you rate the level to which the programme is updated in its content?	5. How would you rate the applicability of the domains and the tools used for designing the pragmatic aspect of curriculum to the existing practices in industry/ institution?	6. How would you rate the proficiency of our students working with you?	7. How would you rate the communicative ability of our students working with you?	8. How would you rate the whole curriculum of the program?
Average score out of 5	4.6	4.5	5	4.3	4.2	4.6	4.5	4.6



Coordinator
Department of Biotechnology
Veer Narmad South Gujarat University,
Surat - 395007 Gujarat - INDIA