



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-મગદલ્લા 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

- 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 5<sup>th</sup> 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



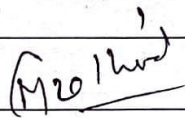
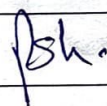
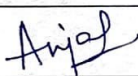
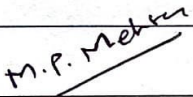


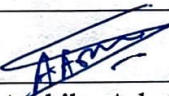
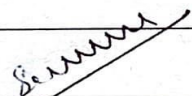
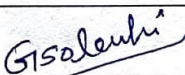
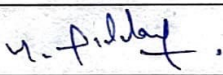

The attendance of the members of the faculty of the department at the said meeting was as follows:

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.

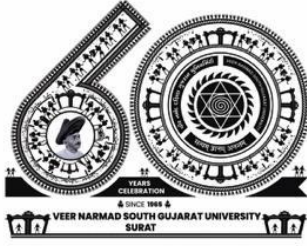
With reference to effective implementation of National Educational Policy (NEP) 2020, following plan of action shall be initiated:

- 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 2: Faculty Feedback Analysis**

**Department of Biotechnology**

**Feedback received from Students**

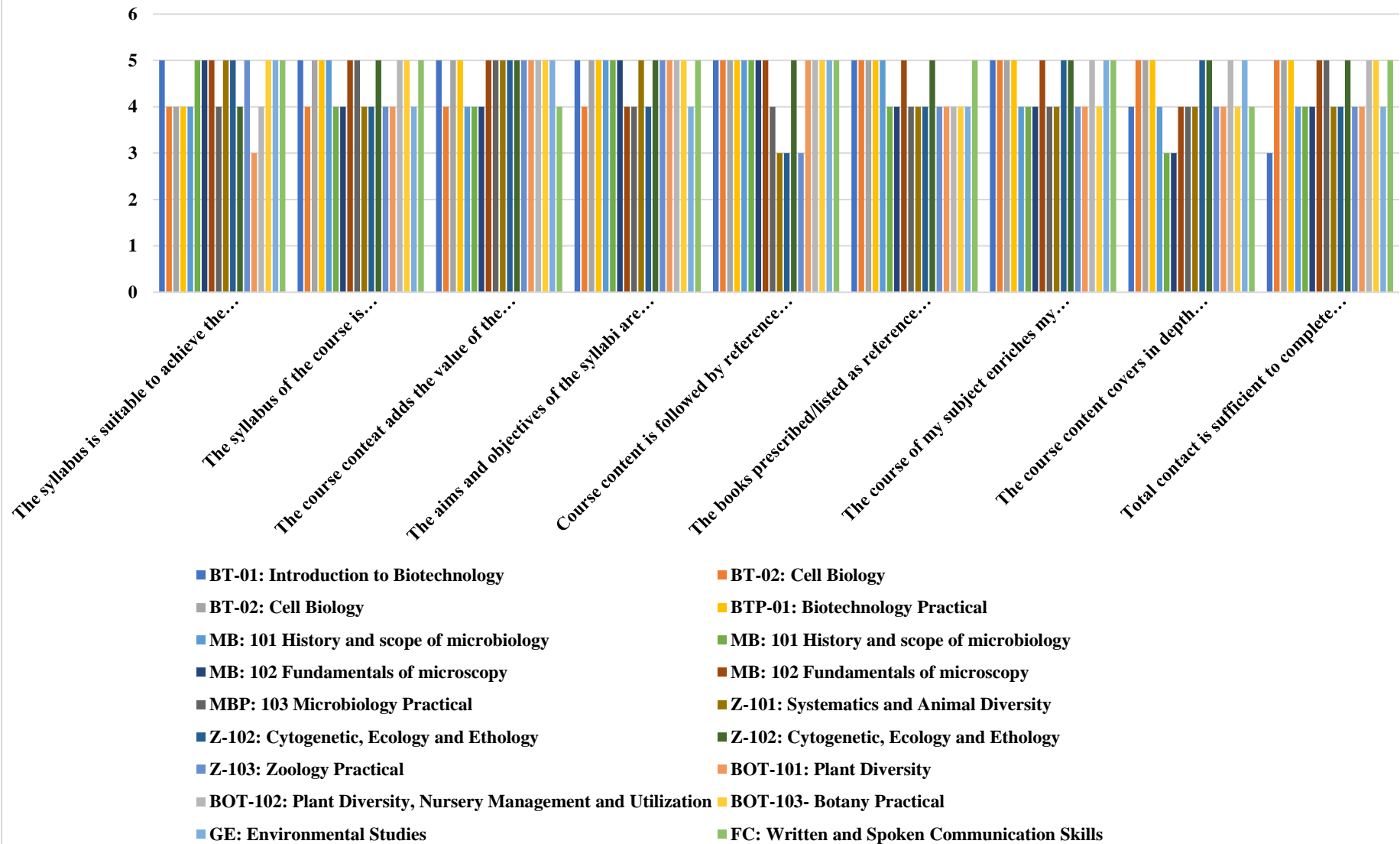
**Academic Year 2022-2023**

**Semester -1 to 10 (Biotechnology)**

**Table: Score per question (2022-2023 Semester: 1 B.Sc. Biotechnology)**

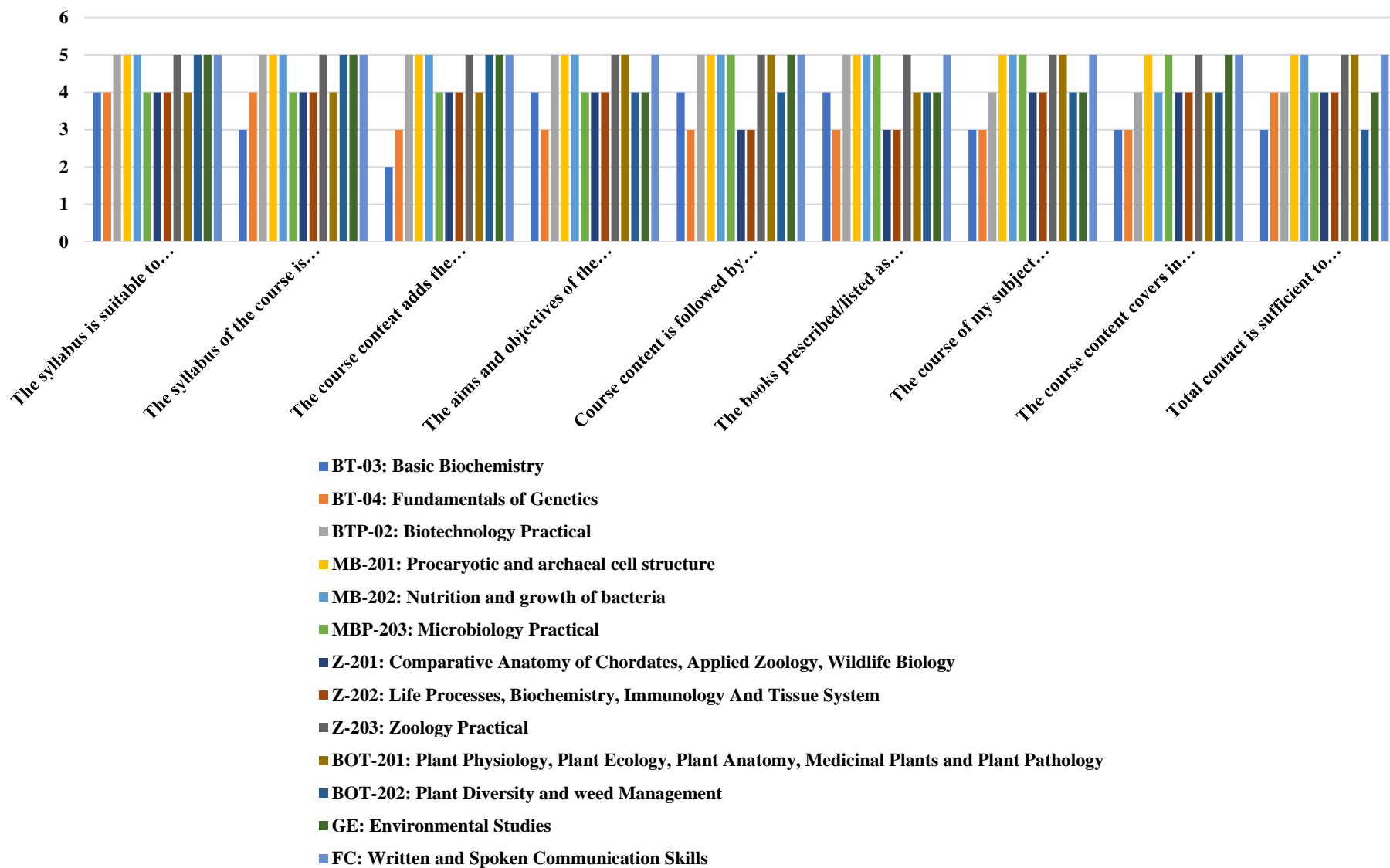
<b>course Name</b>	<b>The syllabus is suitable to achieve the outcome of course.</b>	<b>The syllabus of the course is contemporary and need-based.</b>	<b>The course content adds the value of the students</b>	<b>The aims and objectives of the syllabi are well defined and clear to teachers and students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

## Semester: 1 B.Sc. Biotechnology



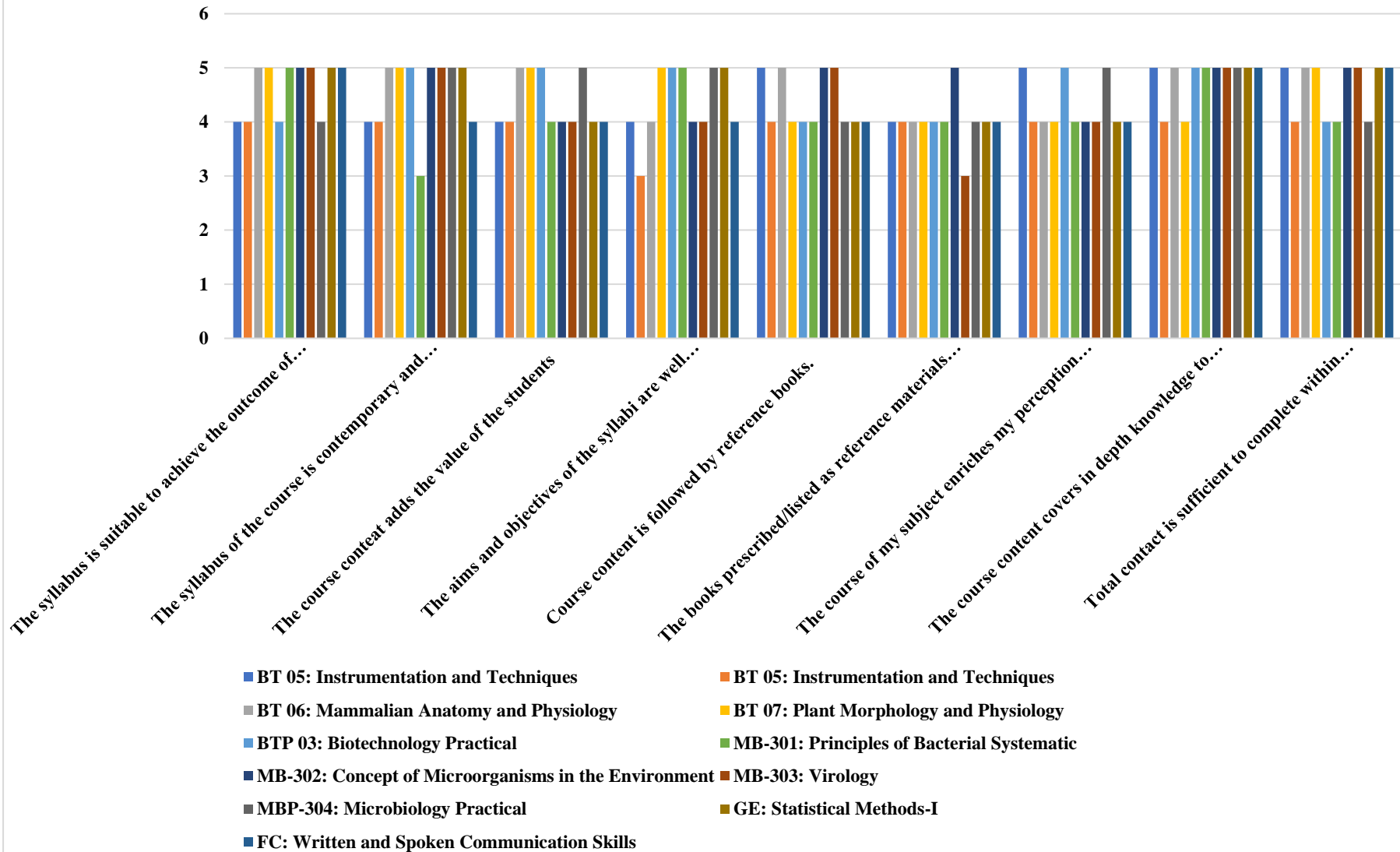


## Semester: 2 B.Sc. Biotechnology



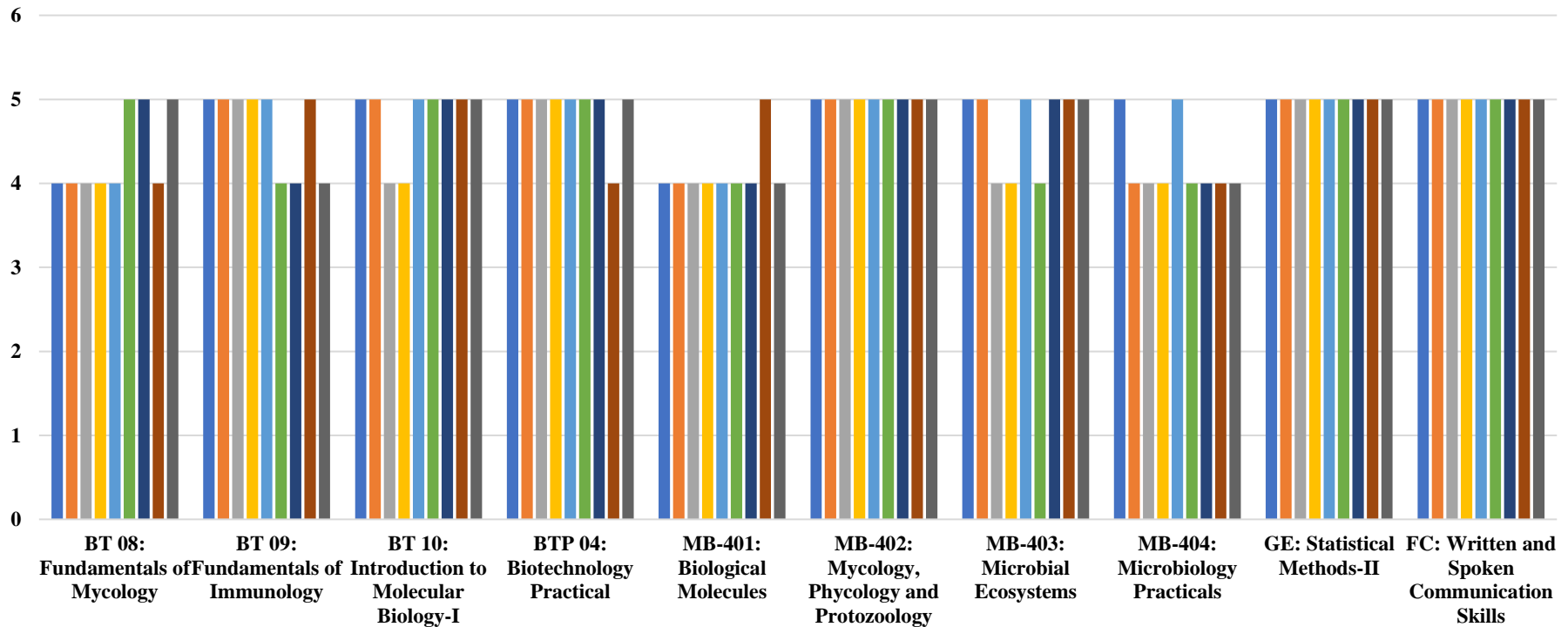


## Semester: 3 B.Sc. Biotechnology





## Semester :4 B.Sc. Biotechnology

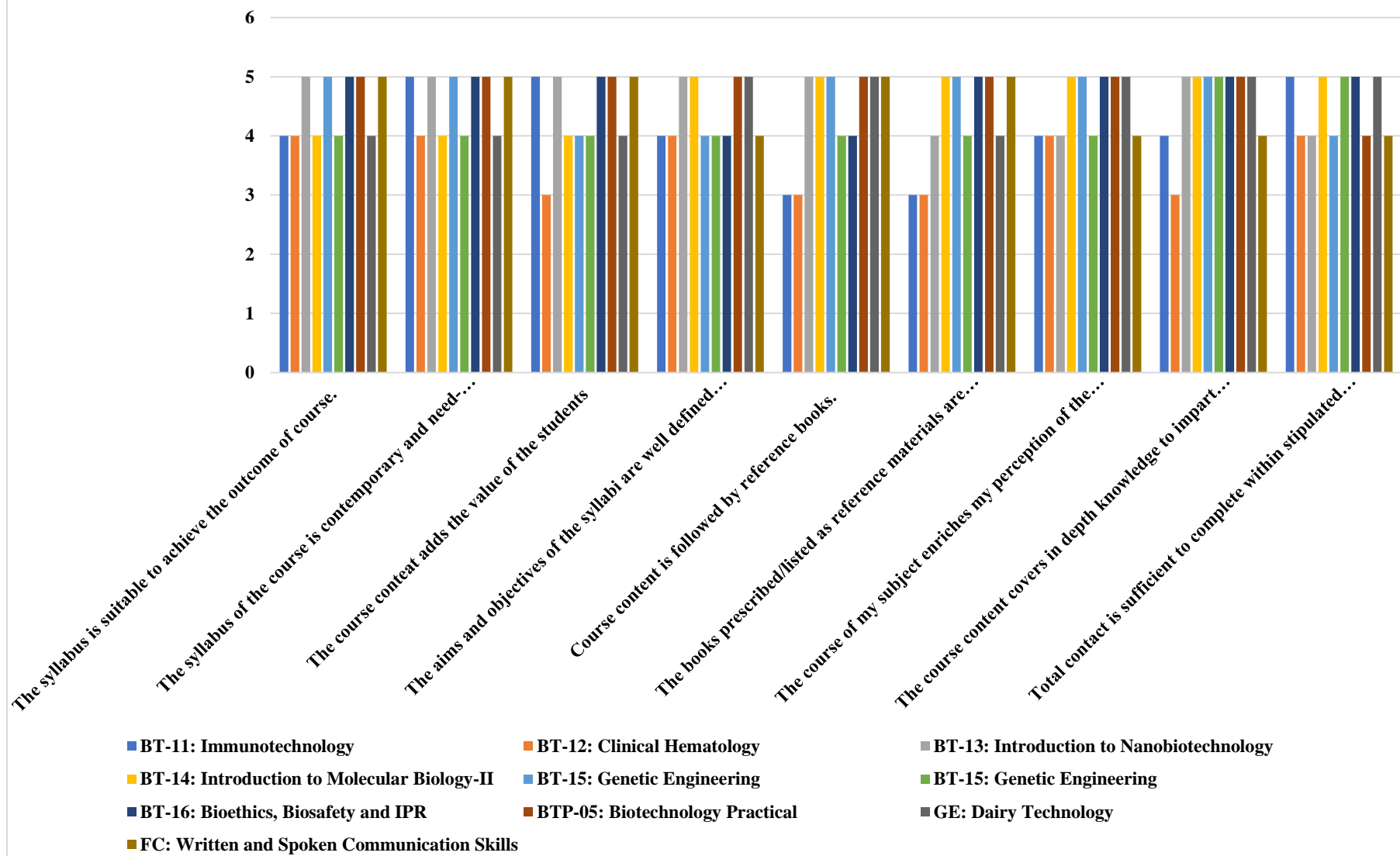


- The syllabus is suitable to achieve the outcome of course.
- The syllabus of the course is contemporary and need-based.
- The course content adds the value of the students
- The aims and objectives of the syllabi are well defined and clear to teachers and students
- Course content is followed by reference 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

**Table: Score per question (2022-2023) Semester: 5 B.Sc. Biotechnology)**

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

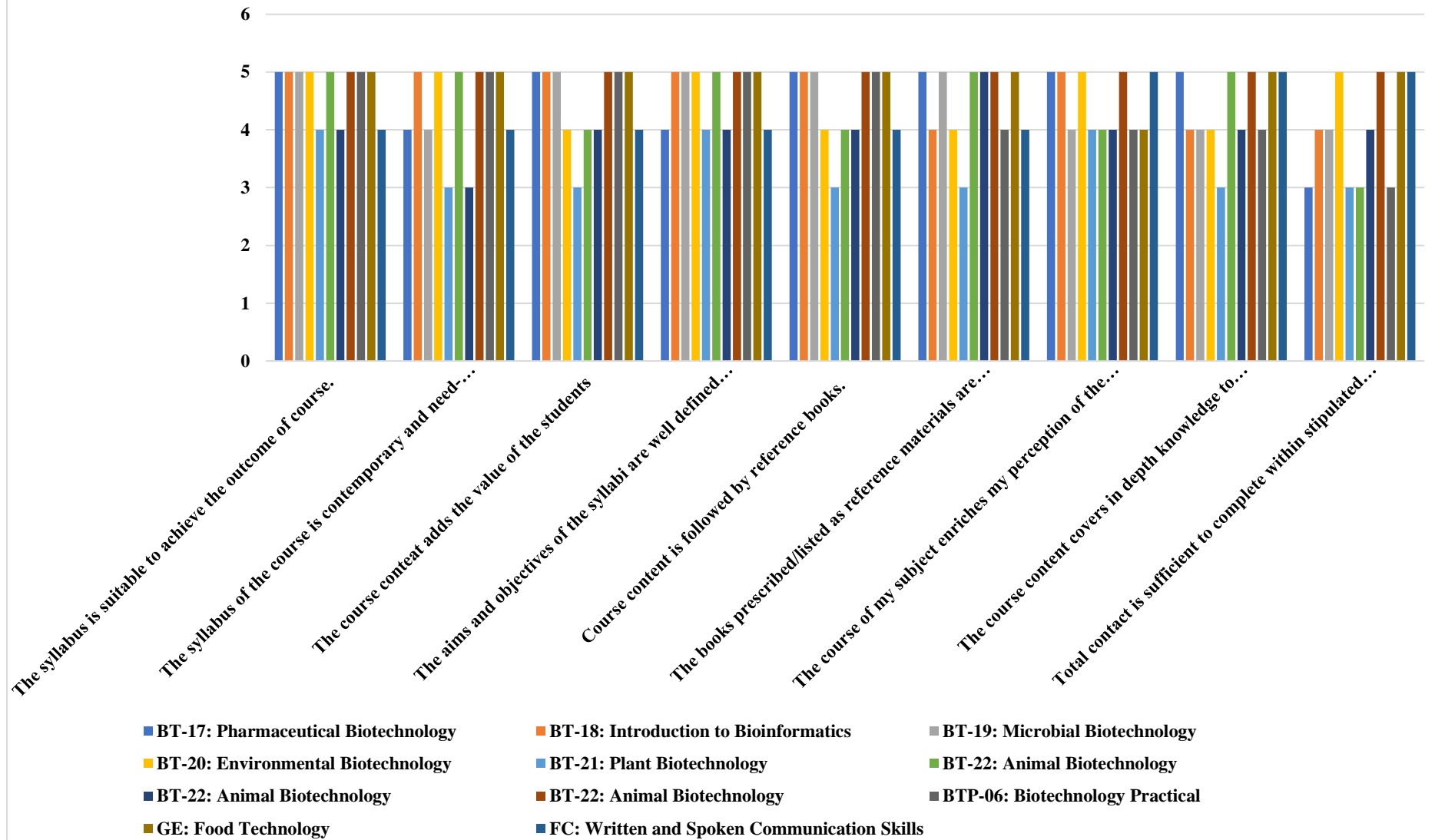
## Semester :5 B.Sc. Biotechnology



**Table: Score per question (2022-2023 Semester: 6 B.Sc. Biotechnology)**

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

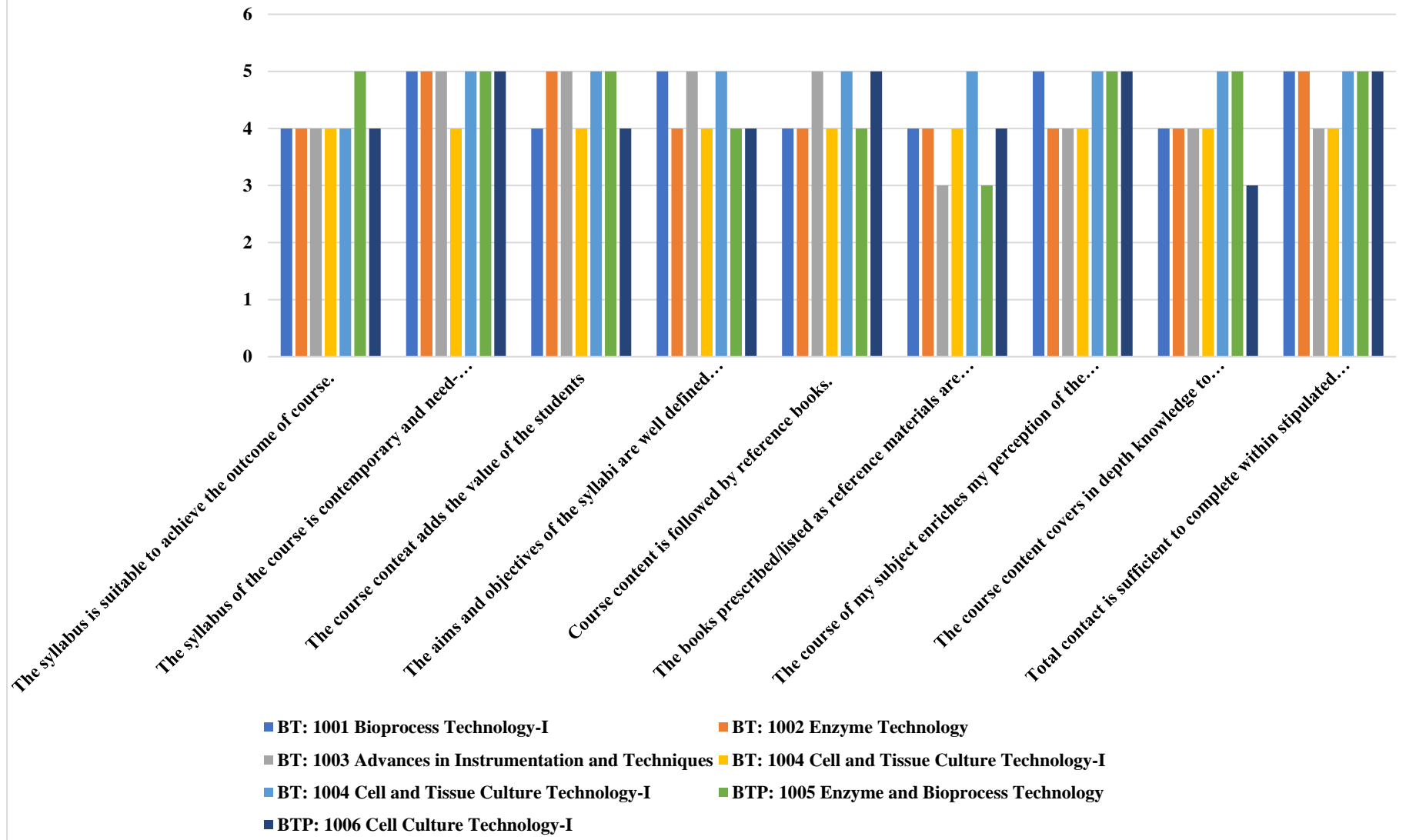
## Semester :6 B.Sc. Biotechnology



**Table: Score per question (2022-2023 Semester: 7 M.Sc. Biotechnology)**

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

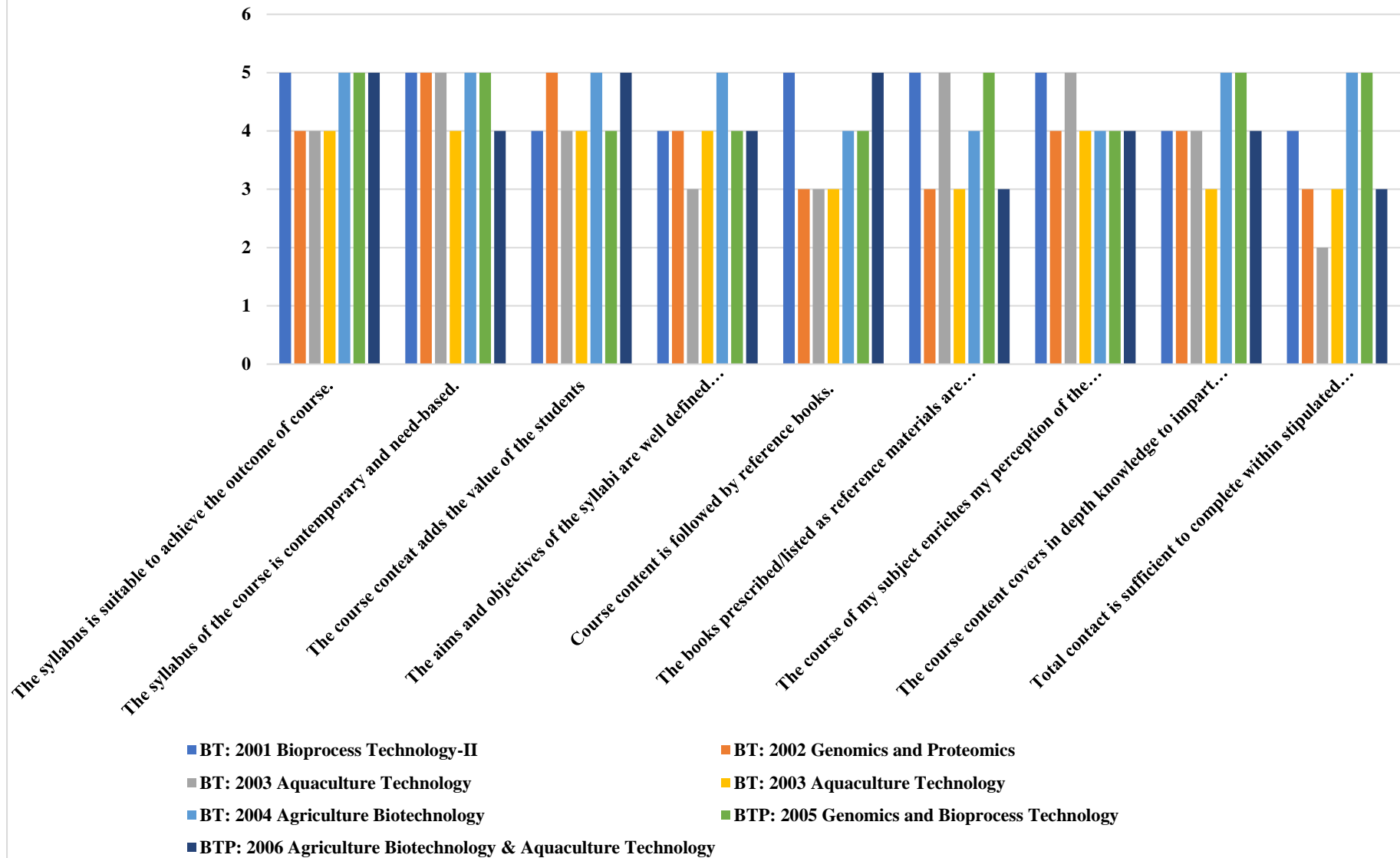
## Semester: 7 M.Sc. Biotechnology



**Table: Score per question (2022-2023 Semester: 8 M.Sc. Biotechnology)**

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

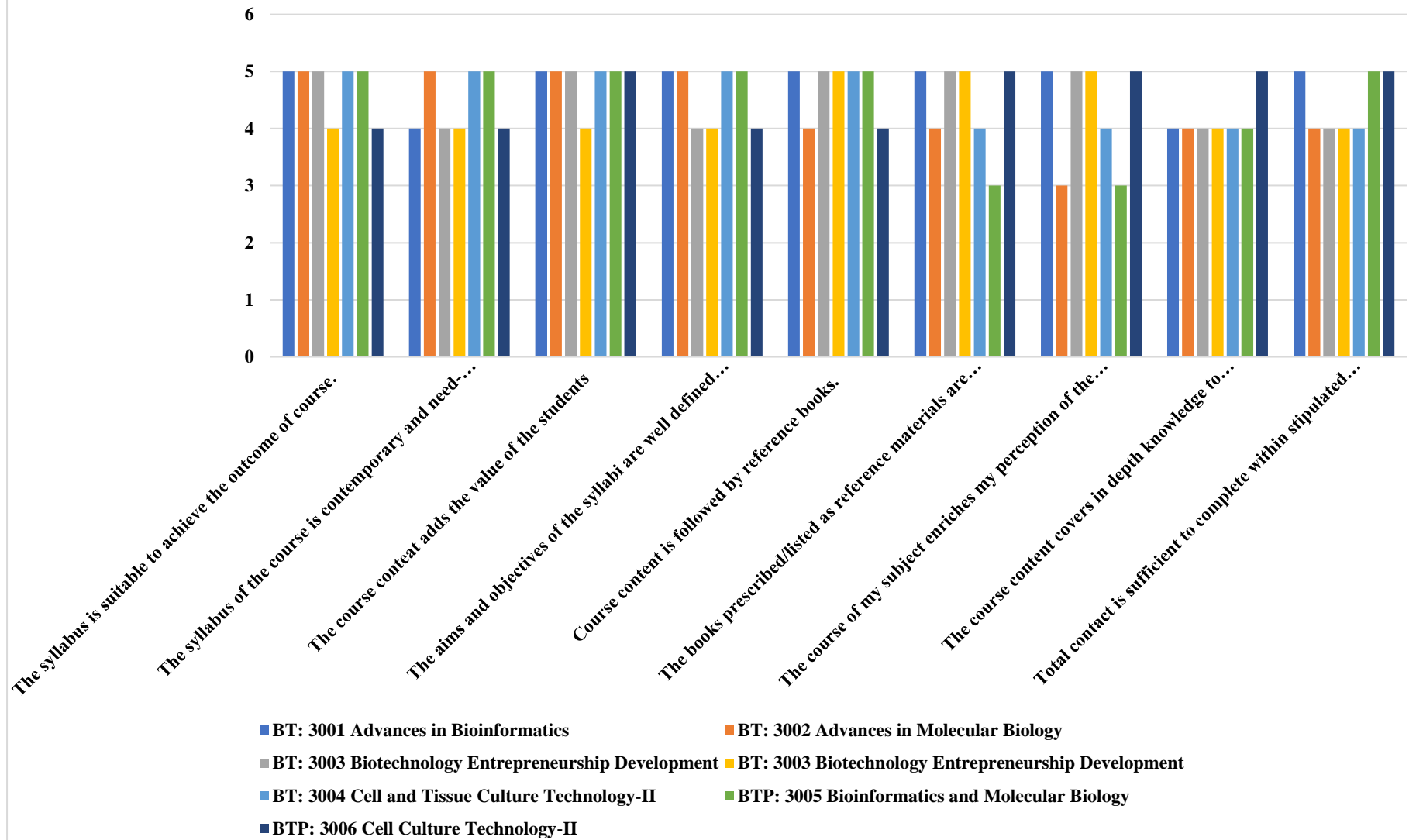
## Semester :8 M.Sc. Biotechnology



**Table: Score per question (2022-2023 Semester: 9 M.Sc. Biotechnology)**

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

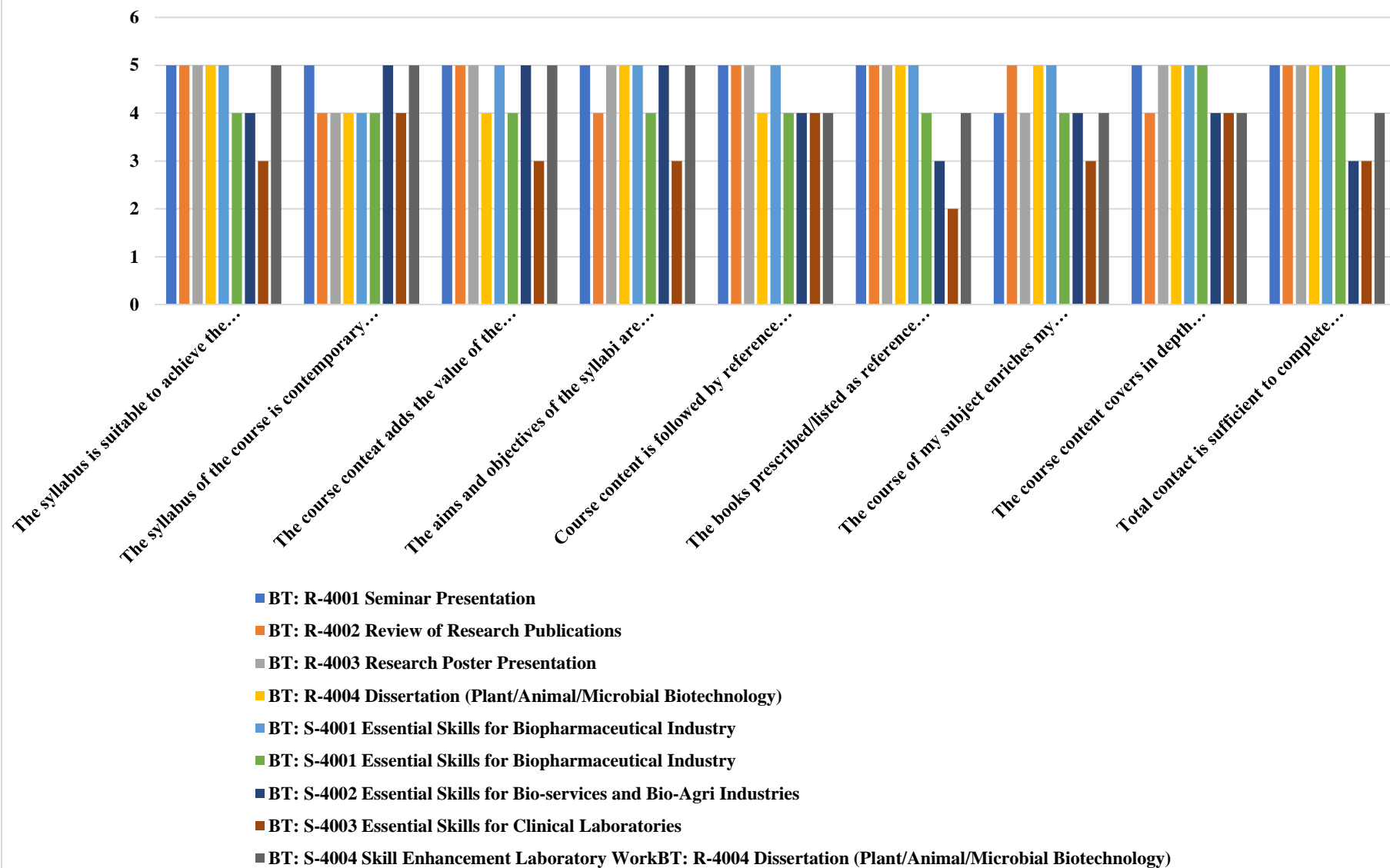
## Semester :9 M.Sc. Biotechnology

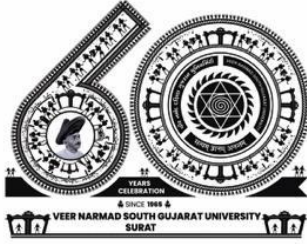


**Table: Score per question (2022-2023 Semester: 10 M.Sc. Biotechnology)**

	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
<b>BT: R-4001 Seminar Presentation</b>	5	5	5	5	5	5	4	5	5
<b>BT: R-4002 Review of Research Publications</b>	5	4	5	4	5	5	5	4	5
<b>BT: R-4003 Research Poster Presentation</b>	5	4	5	5	5	5	4	5	5
<b>BT: R-4004 Dissertation (Plant/Animal/Microbial Biotechnology)</b>	5	4	4	5	4	5	5	5	5
<b>BT: S-4001 Essential Skills for Biopharmaceutical Industry</b>	5	4	5	5	5	5	5	5	5
<b>BT: S-4001 Essential Skills for Biopharmaceutical Industry</b>	4	4	4	4	4	4	4	5	5
<b>BT: S-4002 Essential Skills for Bio-services and Bio-Agri Industries</b>	4	5	5	5	4	3	4	4	3
<b>BT: S-4003 Essential Skills for Clinical Laboratories</b>	3	4	3	3	4	2	3	4	3
<b>BT: S-4004 Skill Enhancement Laboratory Work BT: R-4004 Dissertation (Plant/Animal/Microbial Biotechnology)</b>	5	5	5	5	4	4	4	4	4

## Semester :10 M.Sc. Biotechnology





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E-mail : [info@vnsgu.ac.in](mailto:info@vnsgu.ac.in), Website : [www.vnsgu.ac.in](http://www.vnsgu.ac.in)

## **Annexure 2: Faculty Feedback Analysis**

**Department of Biotechnology**

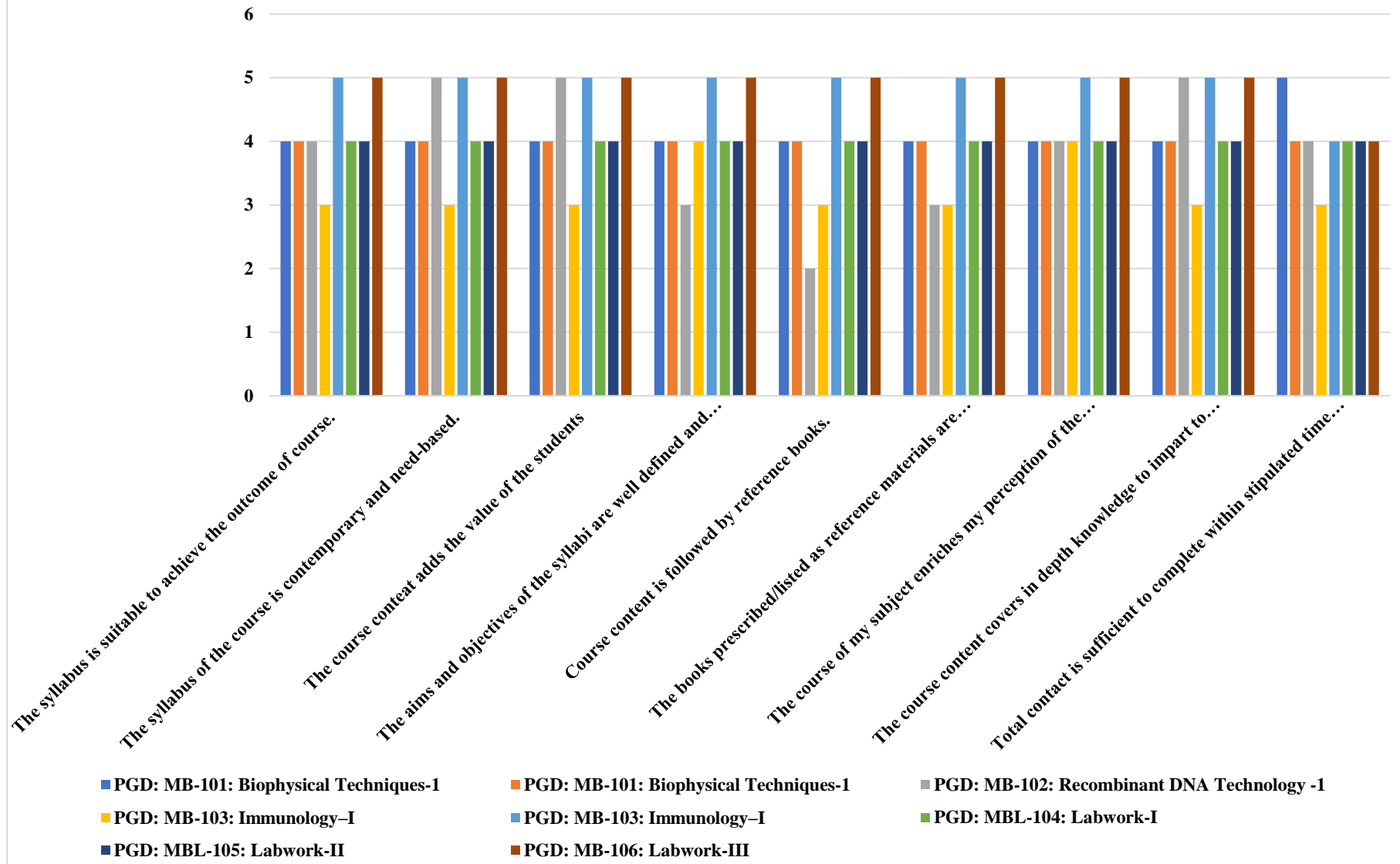
**Feedback received from Students**

**Academic Year 2022-2023**

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



### Semester : 1 P.G. Diploma





## Semester : 2 P.G. Diploma

