



SYMBIOSIS INSTITUTE OF TECHNOLOGY

Symbiosis International (Deemed University)

(Established under section 3 of the UGC Act, 1956)

Re-accredited by NAAC with 'A++' Grade | Awarded Category - I by UGC

Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

Curriculum Feedback Collection, Analysis and Action Taken Report for Academic Year 2023-24



SYMBIOSIS INSTITUTE OF TECHNOLOGY

Symbiosis International (Deemed University)

(Established under section 3 of the UGC Act, 1956)

Re-accredited by NAAC with 'A++' Grade | Awarded Category - I by UGC

Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

1.4.2 Feedback Analysis (B.Tech CSE)

For Academic Year 2023-2024

Sr. No.	Stakeholder	Suggestions	Remark
1	Students	Add Machine Learning, Programming in Java/C++, Web/App Development, Data Structure, Vectorization with Data, Entrepreneurship and Finance, Subjects on Entrepreneurship, More Project-Based Subjects, Introduction to Web Development, Game Development, Relational Database Management Systems, Cyber Security, Language Learning for 2 Semesters (only for interested students), Game Development or Blender.	These courses are already included in the curriculum and Respective faculty are advised to improve the said courses pedagogy
2	Teachers	Add Explainable AI	Value Added Course/ workshop proposed on the same
3	Employers/Industry Experts	Power BI and Tableau, Microsoft Office Suite (Word, Excel), Advanced Microsoft Excel, Wireshark and	These courses are already included in the curriculum. Some VAC are



SYMBIOSIS INSTITUTE OF TECHNOLOGY

Symbiosis International (Deemed University)

(Established under section 3 of the UGC Act, 1956)

Re-accredited by NAAC with 'A++' Grade | Awarded Category - I by UGC

Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

		<p>Tableau, Cloud Technology, Agile, IT Security Overview, Advanced SQL/PLSQL, Python, Cloud Solution Architect (SAAC03), Cloud Security and DevSecOps, Latest Technologies (Open AI, Web Services), Research Methodology (MTech and PhD), Cloud-Based Courses, Bit more hands-on AI training models, Oracle/Postgres/MSSQL DBMS, Postman REST API, Practice with AWS, Focus on Data Engineering and Distributed Processing (Apache Spark), Ethical Hacking and Cyber Forensics, Generative AI, Data Analytics, Cloud/DevOps/CI-CD, Full Stack Development and Automation, Basic Database Skills and Cloud Interface Architecture, Office 365, WordPress, Salesforce, etc., AI and Machine Learning, AI and Python, DevOps and SRE Specific Tools & Technology, Practical Approach of Software Development (Front-end to Backend),</p>	proposed
--	--	--	----------



SYMBIOSIS INSTITUTE OF TECHNOLOGY

Symbiosis International (Deemed University)

(Established under section 3 of the UGC Act, 1956)

Re-accredited by NAAC with 'A++' Grade | Awarded Category - I by UGC

Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

		Analytical Skills, Problem Solving Approach, Cloud Computing, Full Stack Development.	
4	Alumni	Software Development Cycle tools - Agile Methodologies in Depth along with integration of tools like JIRA, BitBucket, etc Product Management, Basic economics, Financial Markets/technologies	Already proposed by the faculty members, Related Specialization and elective subjects are already there in the curriculum,
5	Parents	Devops/collab tools, Jenkins, Jira, Confluence. Cybersec tools, Software Testing Tools	Devops is added in 2020-2024 course structure as a Flexi course . Jenkins, Jira, Confluence. Cybersec tools, Software Testing Tools, Jira github is already included in syllabi



SYMBIOSIS INSTITUTE OF TECHNOLOGY

Symbiosis International (Deemed University)

(Established under section 3 of the UGC Act, 1956)

Re-accredited by NAAC with 'A++' Grade | Awarded Category - I by UGC

Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

Detailed Feedback Analysis and Review for Academic Year 2022-2023

Sr. No.	Stakeholder	Number of Respondents
1	Students	557
2	Teachers	6
3	Employers/Industry Experts	30
4	Alumni	10
5	Parent	44



SYMBIOSIS INSTITUTE OF TECHNOLOGY

Symbiosis International (Deemed University)

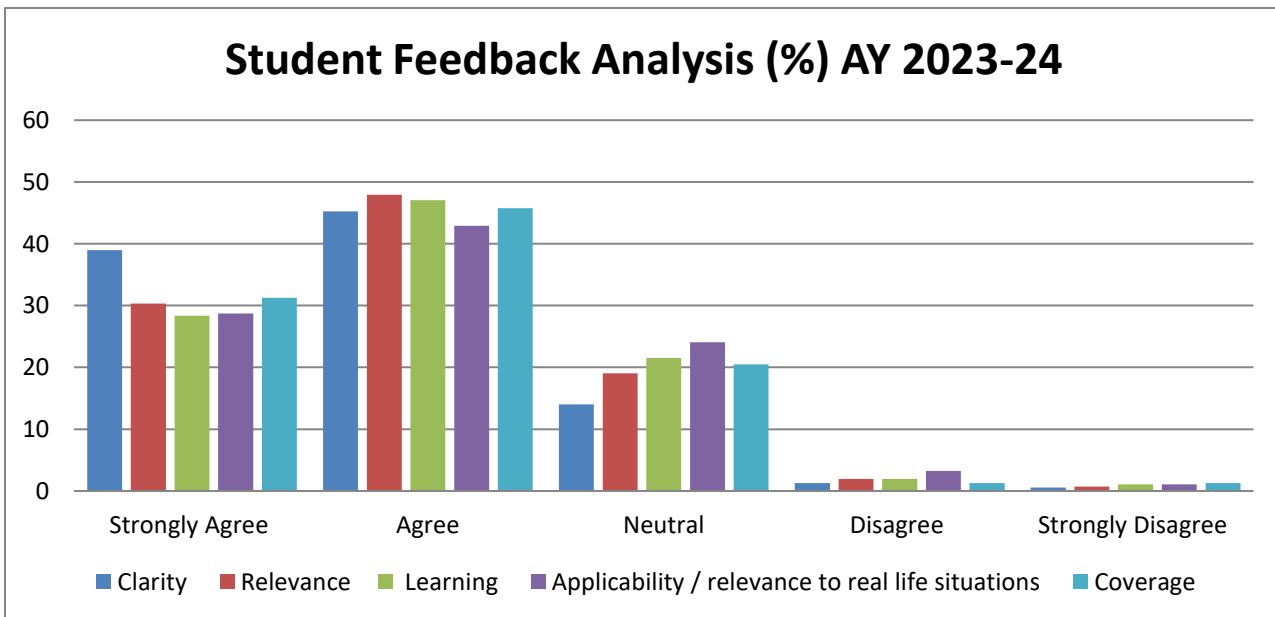
(Established under section 3 of the UGC Act, 1956)

Re-accredited by NAAC with 'A++' Grade | Awarded Category - I by UGC

Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

Students Feedback %

Parameter	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Total
Clarity	38.96	45.24	14	1.26	0.54	100
Relevance	30.34	47.94	19.03	1.97	0.72	100
Learning	28.37	47.04	21.54	1.97	1.08	100
Applicability / relevance to real life situations	28.73	42.91	24.06	3.23	1.08	100
Coverage	31.24	45.78	20.47	1.26	1.26	100





SYMBIOSIS INSTITUTE OF TECHNOLOGY

Symbiosis International (Deemed University)

(Established under section 3 of the UGC Act, 1956)

Re-accredited by NAAC with 'A++' Grade | Awarded Category - I by UGC

Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

Name of the Institute: Symbiosis Institute of Technology

Name of the Program: B. Tech Computer Science and Engineering

Students Feedback for design and review of syllabus

Academic Year: 2023-2024

Revision of syllabi is a continuous process to ensure that it remains contemporary. Revisions in the syllabi are made in consonance with the advancement in the technology. To ensure effective development of the curriculum, the feedback on the curriculum is sought from stakeholders. The suggestions given by all stakeholders are considered and discussed in the sub-specialization committee and their recommendations are forwarded to the BOS for approval.

No. of Respondents: 557

Sr.No.	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	I was informed about our expected competencies, course outcomes (CO) and programme outcomes(PO)*	217	252	78	7	3
2	The curriculum is relevant to and provides for flexibility to meet my learning needs	169	267	106	11	4
3	Adequate co-curricular learning opportunities are provided to me to support the curricular learning	158	262	120	11	6
4	The course is relevant to the industry requirements.	160	239	134	18	6
5	The number of hours allocated to the course are adequate.	174	255	114	7	7

Sr. No	Question	Yes	No
1	The topics were overlapping with the courses taught earlier / during the semester. If Yes, Name of such courses	66	491
2	Would you recommend any new course / topic to be added in the program structure?	62	495



SYMBIOSIS INSTITUTE OF TECHNOLOGY

Symbiosis International (Deemed University)

(Established under section 3 of the UGC Act, 1956)

Re-accredited by NAAC with 'A++' Grade | Awarded Category - I by UGC

Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

Summary of Feedback Analysis and Action Taken:

Sr. No	Particulars / Action Point	Action Taken
1	Add Quantum mechanics, basic business and economics, human psychology.	Workshops/Seminars Planned
2	Add Machine Learning, Programming in Java/C++, Web/App Development, Data Structure, Vectorization with Data, Entrepreneurship and Finance, Subjects on Entrepreneurship, More Project-Based Subjects, Introduction to Web Development, Game Development, Relational Database Management Systems, Cyber Security, Language Learning for 2 Semesters (only for interested students), Game Development or Blender.	Already part of curriculum



SYMBIOSIS INSTITUTE OF TECHNOLOGY

Symbiosis International (Deemed University)

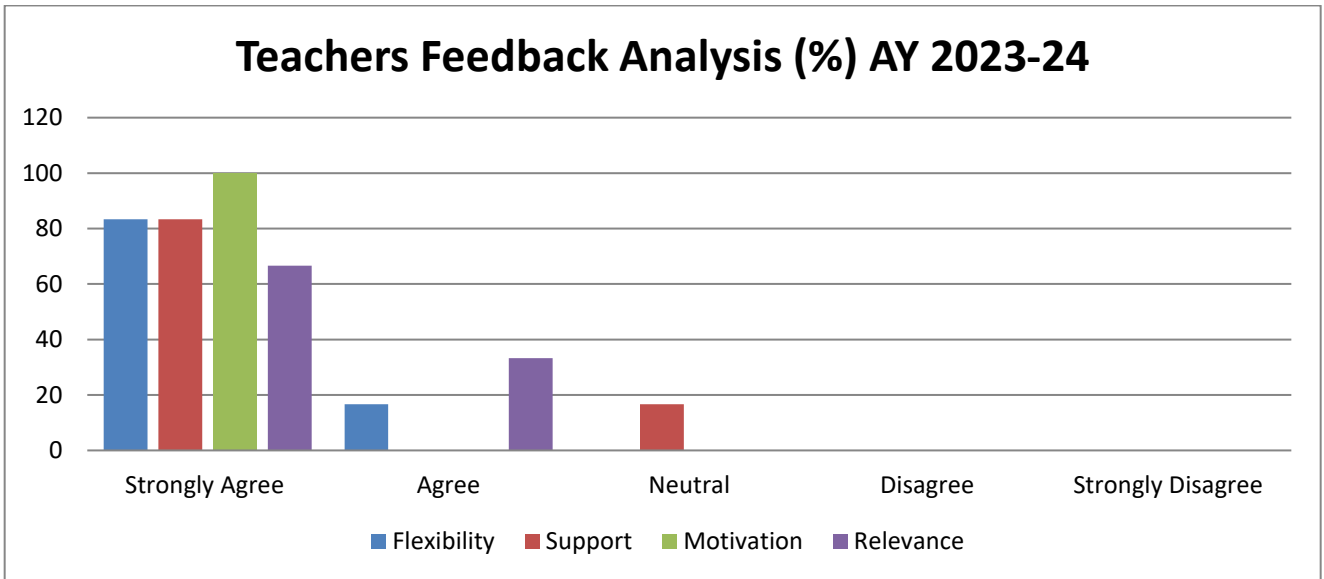
(Established under section 3 of the UGC Act, 1956)

Re-accredited by NAAC with 'A++' Grade | Awarded Category - I by UGC

Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

Teachers Feedback %

Parameter	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Total
Flexibility	83.33	16.67				100
Support	83.33		16.67			100
Motivation	100					100
Relevance	66.67	33.33				100





SYMBIOSIS INSTITUTE OF TECHNOLOGY

Symbiosis International (Deemed University)

(Established under section 3 of the UGC Act, 1956)

Re-accredited by NAAC with 'A++' Grade | Awarded Category - I by UGC

Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

Name of the Institute: Symbiosis Institute of Technology

Name of the Program: B. Tech Computer Science and Engineering

Teachers Feedback for design and review of syllabus

Academic Year: 2023-2024

Revision of syllabi is a continuous process to ensure that it remains contemporary. Revisions in the syllabi are made in consonance with the advancement in the technology. To ensure effective development of the curriculum, the feedback on the curriculum is sought from stakeholders. The suggestions given by all stakeholders are considered and discussed in the sub-specialization committee and their recommendations are forwarded to the BOS for approval.

No. of Respondents : 06

Questionnaire with parameter wise number of responses

Sr No	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	I am given enough freedom to contribute my ideas on curriculum design and development.	05	01			
2	The faculty members / teachers are supported with adequate learning resources	05		01		
3	The faculty members / teachers are encouraged to establish linkages with Industry.	06				
4	The syllabus is relevant and adequate in terms of scope, depth and choice to help develop the required competencies amongst students	04	02			

Sr No	Question	Yes	No
-------	----------	-----	----



SYMBIOSIS INSTITUTE OF TECHNOLOGY

Symbiosis International (Deemed University)

(Established under section 3 of the UGC Act, 1956)

Re-accredited by NAAC with 'A++' Grade | Awarded Category - I by UGC

Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

1	Would you recommend any new course / topic to be added in the program structure?	1	5
Summary of Feedback Analysis and Action Taken:			
Sr. No	Particulars / Action Point	Action Taken	
1	Add Explainable AI	Workshop/VAC is proposed on the same	



SYMBIOSIS INSTITUTE OF TECHNOLOGY

Symbiosis International (Deemed University)

(Established under section 3 of the UGC Act, 1956)

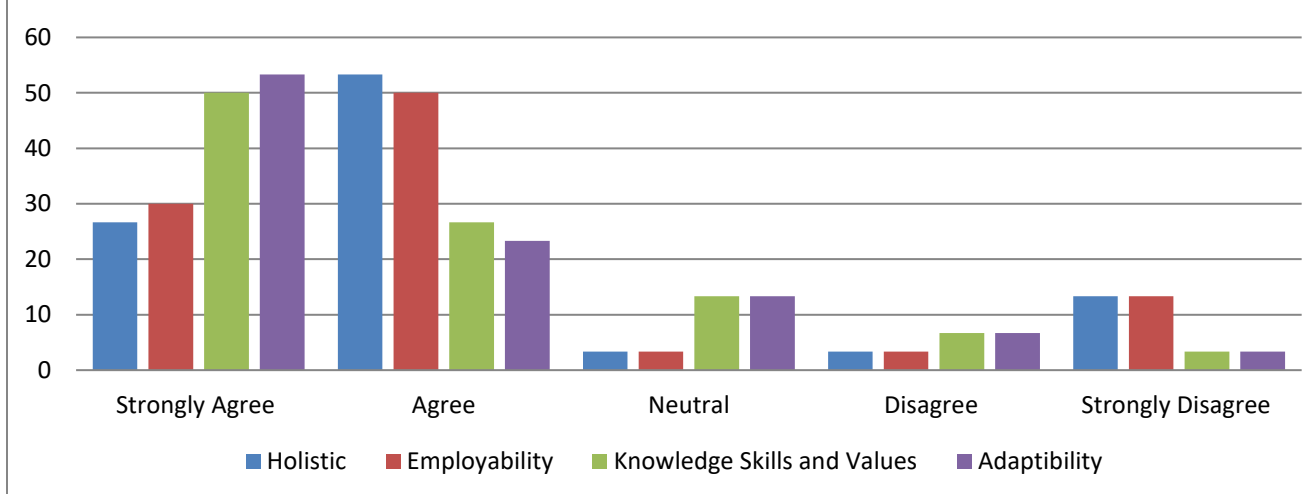
Re-accredited by NAAC with 'A++' Grade | Awarded Category - I by UGC

Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

Employers Feedback %

Parameter	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Total
Holistic	26.67	53.33	3.33	3.33	13.33	100
Employability	30	50	3.33	3.33	13.33	100
Knowledge Skills and Values	50	26.67	13.33	6.67	3.33	100
Adaptability	53.33	23.33	13.33	6.67	3.33	100

Employers Feedback Analysis (%) AY 2023-24





SYMBIOSIS INSTITUTE OF TECHNOLOGY

Symbiosis International (Deemed University)

(Established under section 3 of the UGC Act, 1956)

Re-accredited by NAAC with 'A++' Grade | Awarded Category - I by UGC

Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

Name of the Institute: Symbiosis Institute of Technology

Name of the Program: B. Tech Computer Science and Engineering

Employers Feedback for design and review of syllabus

Academic Year: 2023 -24

Revision of syllabi is a continuous process to ensure that it remains contemporary. Revisions in the syllabi are made in consonance with the advancement in the technology. To ensure effective development of the curriculum, the feedback on the curriculum is sought from stakeholders. The suggestions given by all stakeholders are considered and discussed in the sub-specialization committee and their recommendations are forwarded to the BOS for approval.

No. of Respondents : 30

Questionnaire with parameter wise number of responses

Sr. No	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	The courses offered in the Institute have relevance to societal needs and employment potential	8	16	1	1	4
2	The curriculum has a good blend of theory and practical aspects	9	15	1	1	4
3	The students of the programme are adequately trained in terms of knowledge, skills and values	15	8	4	2	1
4	The students of the programme demonstrates the ability to learn new things quickly, to adapt, to the dynamic environment	16	7	4	2	1



SYMBIOSIS INSTITUTE OF TECHNOLOGY

Symbiosis International (Deemed University)

(Established under section 3 of the UGC Act, 1956)

Re-accredited by NAAC with 'A++' Grade | Awarded Category - I by UGC

Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

Sr. No	Question	Yes	No
1	Would you recommend any new course / topic to be added in the program structure?	20	10

Summary of Feedback Analysis and Action Taken:

Sr. No	Particulars / Action Point	Action Taken
1	Security Products (Firewalls, SIEM, SOAR, EDR, MDR, XDR, DLP), SRE and Prompt Engineering, Product Management (Tech Focused), More Practice Labs with DBMS vendors, Web Servers deployment (Apache HTTPD, Tomcat; Nginx), Cloud ENV Practice (EC2, S3, RDS, etc.)	Workshops & VAC Planned
2	Add IT Security for students, Vulnerability Assessment Tools	Planned for batch 2025-2029.
3	Power BI and Tableau, Microsoft Office Suite (Word, Excel), Advanced Microsoft Excel, Wireshark and Tableau, Cloud Technology, Agile, IT Security Overview, Advanced SQL/PLSQL, Python, Cloud Solution Architect (SAAC03), Cloud Security and DevSecOps, Latest Technologies (Open AI, Web Services), Research Methodology (MTech and PhD), Cloud-Based Courses, Bit more hands-on AI training models, Oracle/Postgres/MSSQL DBMS, Postman REST API, Practice with AWS, Focus on Data Engineering and Distributed Processing (Apache Spark), Ethical Hacking and Cyber Forensics, Generative AI, Data Analytics, Cloud/DevOps/CI-CD, Full Stack Development and Automation, Basic Database Skills and Cloud Interface Architecture, Office 365, WordPress, Salesforce, etc., AI and	Already part of curriculum



SYMBIOSIS INSTITUTE OF TECHNOLOGY

Symbiosis International (Deemed University)

(Established under section 3 of the UGC Act, 1956)

Re-accredited by NAAC with 'A++' Grade | Awarded Category - I by UGC

Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

	Machine Learning, AI and Python, DevOps and SRE Specific Tools & Technology, Practical Approach of Software Development (Front-end to Backend), Analytical Skills, Problem Solving Approach, Cloud Computing, Full Stack Development.	
4	Add AR/VR	Introduced in batch 2024-28 batch



SYMBIOSIS INSTITUTE OF TECHNOLOGY

Symbiosis International (Deemed University)

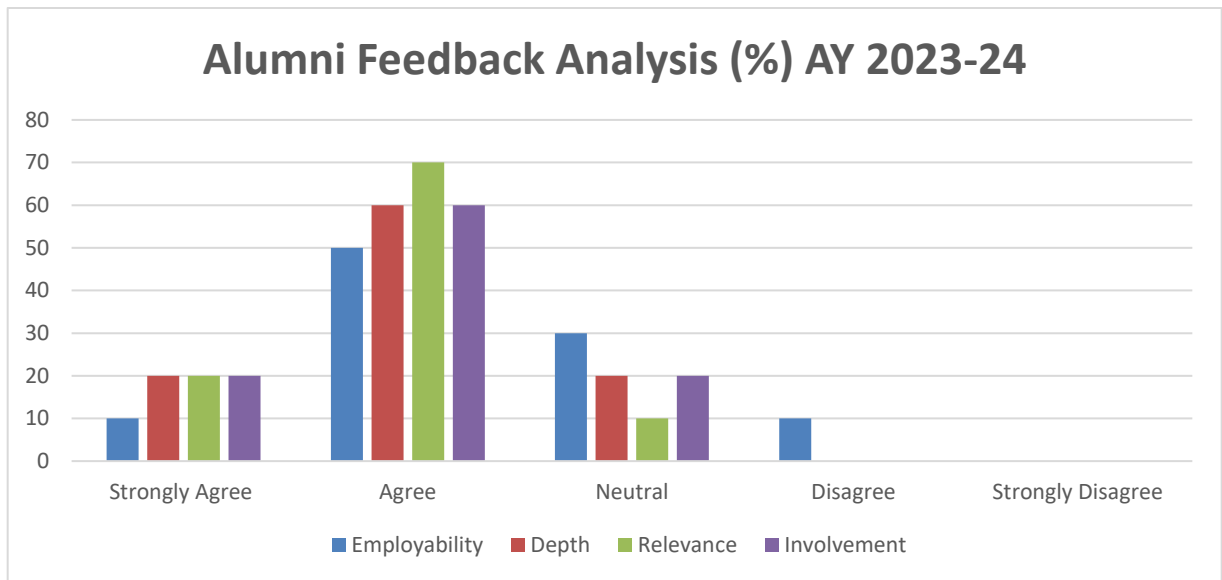
(Established under section 3 of the UGC Act, 1956)

Re-accredited by NAAC with 'A++' Grade | Awarded Category - I by UGC

Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

Alumni Feedback %

Parameter	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Total
Employability	10	50	30	10		100
Depth	20	60	20			100
Relevance	20	70	10			100
Involvement	20	60	20			100





SYMBIOSIS INSTITUTE OF TECHNOLOGY

Symbiosis International (Deemed University)

(Established under section 3 of the UGC Act, 1956)

Re-accredited by NAAC with 'A++' Grade | Awarded Category - I by UGC

Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

Name of the Program: B. Tech Computer Science and Engineering

Alumni Feedback for design and review of syllabus

Academic Year: 2023-2024

Revision of syllabi is a continuous process to ensure that it remains contemporary. Revisions in the syllabi are made in consonance with the advancement in the technology. To ensure effective development of the curriculum, the feedback on the curriculum is sought from stakeholders. The suggestions given by all stakeholders are considered and discussed in the sub-specialization committee and their recommendations are forwarded to the BOS for approval.

No. of Respondents : 10

Questionnaire with parameter wise number of responses

Sr. No	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	The institute curriculum has prepared me adequately for the job roles, I have handled and been handling	1	5	3	1	
2	The curriculum of the program is well designed and promotes learning experience of the students	2	6	2		
3	The courses offered in the Institute have relevance to societal needs and employment potential	2	7	1		
4	The institute encourages contribution from Alumni in curriculum and student development.	2	6	2		

Sr No	Question	Yes	No
1	Would you recommend any new course / topic to be added in the program structure?	5	5



SYMBIOSIS INSTITUTE OF TECHNOLOGY

Symbiosis International (Deemed University)

(Established under section 3 of the UGC Act, 1956)

Re-accredited by NAAC with 'A++' Grade | Awarded Category - I by UGC

Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

Summary of Feedback Analysis and Action Taken:

Sr. No	Particulars / Action Point	Action Taken
1	Add Power BI, Advance excel, python(compulsory), Statistics in the curriculum	Already part of curriculum
2	Microsoft Data Lake, Microsoft Fabric, Oracle Net Suite, JIRA	Planned workshops on same
4	Software Development Cycle tools - Agile Methodologies in Depth along with integration of tools like JIRA, BitBucket, etc Product Management, Basic economics, Financial Markets/technologies	Planned workshops on same
5	Incorporating tools like Tableau for data visualization, GitHub for version control and collaborative coding, and Adobe Creative Suite for graphic design and multimedia skills. These tools are widely used in industry and would greatly enhance students' readiness for their careers.	Already part of curriculum



SYMBIOSIS INSTITUTE OF TECHNOLOGY

Symbiosis International (Deemed University)

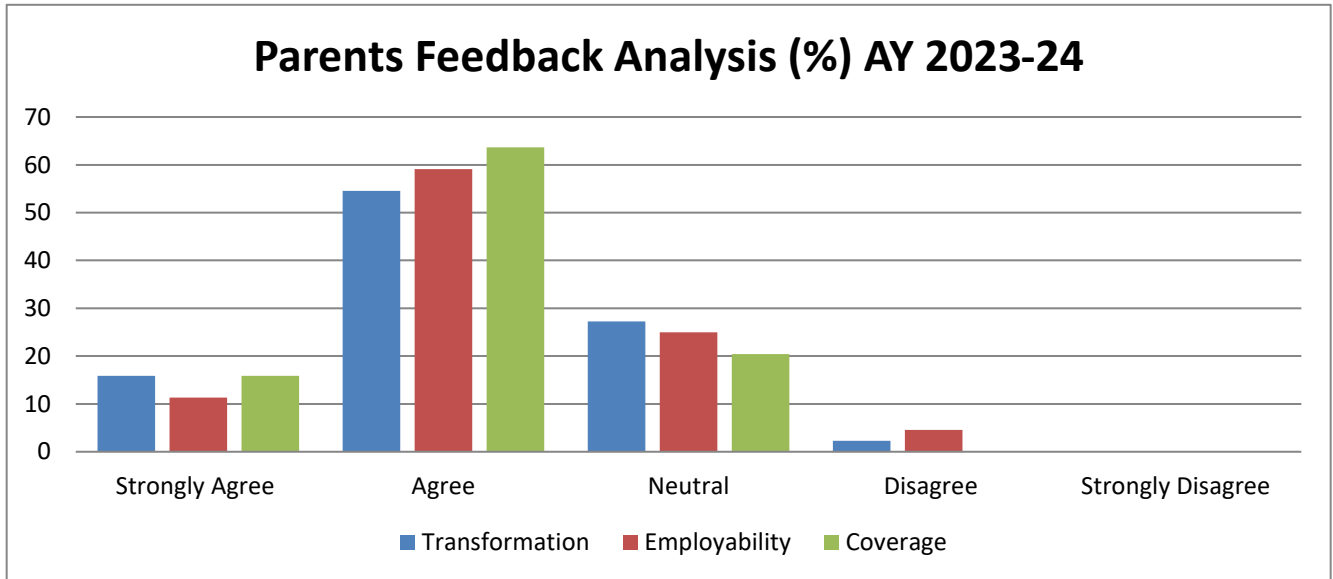
(Established under section 3 of the UGC Act, 1956)

Re-accredited by NAAC with 'A++' Grade | Awarded Category - I by UGC

Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

Parents Feedback %

Parameter	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Total
Transformation	15.91	54.55	27.27	2.27		100
Employability	11.36	59.09	25	4.55		100
Coverage	15.91	63.64	20.45			100





SYMBIOSIS INSTITUTE OF TECHNOLOGY

Symbiosis International (Deemed University)

(Established under section 3 of the UGC Act, 1956)

Re-accredited by NAAC with 'A++' Grade | Awarded Category - I by UGC

Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

Name of the Program: B. Tech Computer Science and Engineering

Parent Feedback for design and review of syllabus

Academic Year: 2023-24

Revision of syllabi is a continuous process to ensure that it remains contemporary. Revisions in the syllabi are made in consonance with the advancement in the technology. To ensure effective development of the curriculum, the feedback on the curriculum is sought from stakeholders. The suggestions given by all stakeholders are considered and discussed in the sub-specialization committee and their recommendations are forwarded to the BOS for approval.

No. of Respondents : 44

Questionnaire with parameter wise number of responses

Sr. No	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	There is a positive change in the behavior of my ward after joining the Institute.	7	24	12	1	
2	The curriculum would make my ward employable and industry ready.	5	26	11	2	
3	The curriculum provides a choice of courses/specialization to select.	7	28	9		

Sr No	Question	Yes	No
1	Would you recommend any new course / topic to be added in the program structure?	26	18

Summary of Feedback Analysis and Action Taken:

Sr. No	Particulars / Action Point	Action Taken
1	Add Cyber law, cyber security, Full Stack Development, Data mining, ML, Automation, Embedded system, AI and Machine Learning, language classes like	Already Part of curriculum



SYMBIOSIS INSTITUTE OF TECHNOLOGY

Symbiosis International (Deemed University)

(Established under section 3 of the UGC Act, 1956)

Re-accredited by NAAC with 'A++' Grade | Awarded Category - I by UGC

Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

	spanish and all	
2	Devops/collab tools, Jenkins, Jira, Confluence. Cybersec tools, Software Testing Tools	Devops is added in 2020-2024 course structure as a Flexi course . Jenkins, Jira, Confluence. Cybersec tools, Software Testing Tools, Jira github is already included in syllabi
3	For Industry Software: Basics of PLC and SCADA, Robotics automation software for Machinery industrial Automation with Simulation kit	The courses Robotics with AI planned to be included as a Flexi Course
4	GenAI , Security, Cloud based	The programme structure 22-26 is enriched with all advance courses .1. Cloud Computing 2. Security 3. AI