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

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1.4.2 Feedback Analysis (B.Tech RA)

For Academic Year 2023-2024

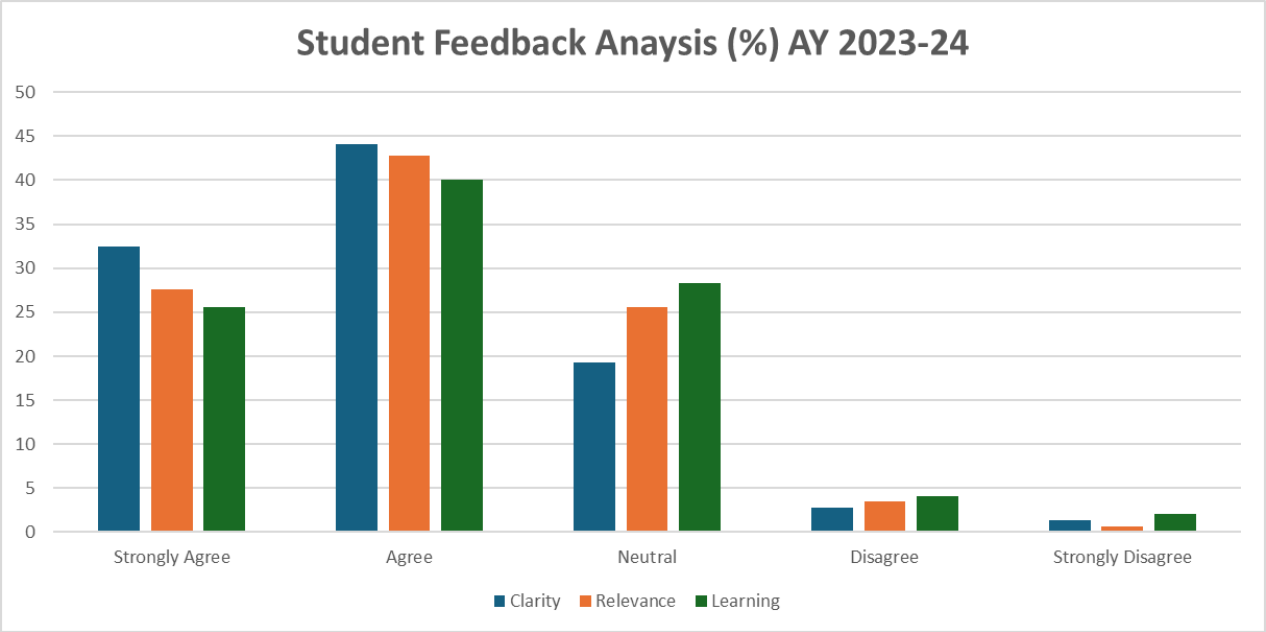
Sr. No.	Stakeholder	Suggestions	Remark
1	Students	More number of hands-on workshops, Course on C/C++ should be added as it is significant in robotics and automation, more focus on Practical component should be there	These courses are already included in the curriculum and Respective faculty are advised to improve the said courses pedagogy.
2	Teachers	Advance Mathematical topics important for robotics must be Incorporated, Course on Energy storage Technology should be added, Engineering drawing concepts must be taught with some CAD tool	Proposed revision of syllabus for upcoming batches, The course on energy storage technology is added for upcoming batch,
3	Employers/Industry Experts	Introduce software related to PLC HMI and SCADA and Exposure of Embedded system	PCB designing is added in curriculum of basic of manufacturing practices. Embedded system as a major course is proposed for upcoming batch
4	Alumni	NA	NA
5	Parent	Add advanced courses related to AI/ML	Advanced course such as Block Chain Technology For Robotics is planned to conduct through industry expert.

Detailed Feedback Analysis and Review for Academic Year 2023-2024

Sr. No.	Stakeholder	Number of Respondents
1	Students	145
2	Teachers	22
3	Employers/Industry Experts	8
4	Alumni	NA
5	Parent	12

Students Feedback %

Parameter	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Total
Clarity	32.41	44.14	19.31	2.76	1.38	100
Relevance	27.59	42.76	25.52	3.45	0.69	100
Learning	25.52	40	28.28	4.14	2.07	100



Name of the Institute: Symbiosis Institute of Technology

Name of the Program: B. Tech Robotics and Automation

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: 145

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)	47	64	28	4	2
2	The curriculum is relevant to and40 provides for flexibility to meet my learning needs	40	62	37	5	1
3	Adequate co-curricular learning opportunities are provided to me to support the curricular learning	37	58	41	6	3

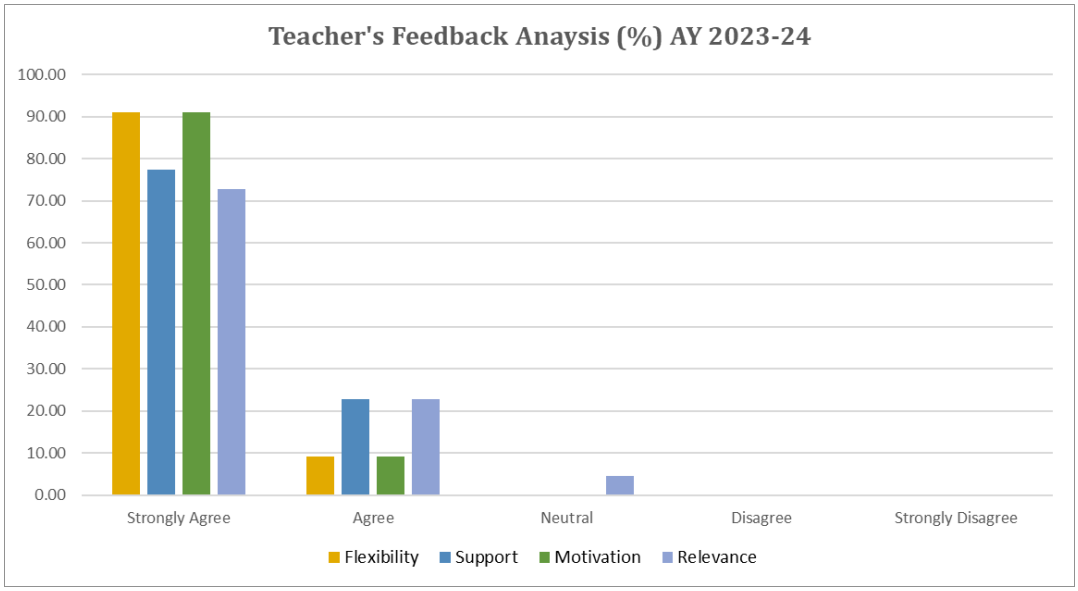
Sr. No	Question	Yes	No
1	The topics were overlapping with the courses taught earlier / during the semester. If Yes, Name of such courses	10	135
2	Would you recommend any new course / topic to be added in the program structure?	25	120

Summary of Feedback Analysis and Action Taken:

Sr. No	Particulars / Action Point	Action Taken
1.	More number of hands-on workshops	All faculties are advised to arrange offline hands-on workshop conducted by industry person
2.	Course on C/C++ should be added as it is significant in robotics and automation	Already included in program structure
3.	More focus on Practical component should be there	Teaching pedagogy and evaluation parameters are discussed with faculty members.

Teachers Feedback %

Parameter	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Total
Flexibility	90.91	9.09	0.00	0.00	0.00	100
Support	77.27	22.73	0.00	0.00	0.00	100
Motivation	90.91	9.09	0.00	0.00	0.00	100
Relevance	72.73	22.73	4.55	0.00	0.00	100



Name of the Institute: Symbiosis Institute of Technology

Name of the Program: B. Tech Robotics and Automation

Teachers Feedback for design and review of syllabus

Academic Year: 2023-2024

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No. of Respondents : 22

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.	20	2			
2	The faculty members / teachers are supported with adequate learning resources	17	5			
3	The faculty members / teachers are encouraged to establish linkages with Industry.	20	2			
4	The syllabus is relevant and adequate in terms of scope, depth and choice to help develop the required competencies amongst students	16	5	1		

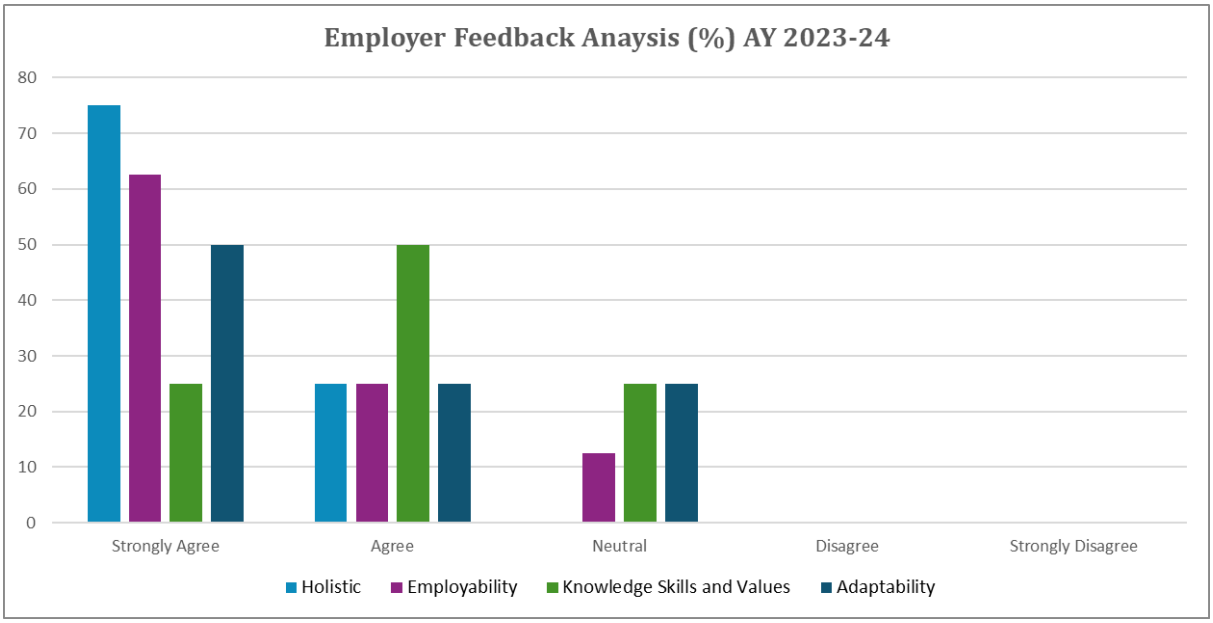
Sr No	Question	Yes	No
1	Would you recommend any new course / topic to be added in the program structure?	5	17

Summary of Feedback Analysis and Action Taken:

Sr. No	Particulars / Action Point	Action Taken
1.	Advance Mathematical topics important for robotics must be incorporated	Proposed revision of syllabus for upcoming batches
2.	Course on Energy storage Technology should be added	The course on energy storage technology is added for upcoming batch.
3.	Engineering drawing concepts must be taught with some CAD tool	Feasibility is discussed with concern faculty and revised teaching pedagogy for upcoming batch.

Employers Feedback %

Parameter	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Total
Holistic	75	25	0	0	0	100
Employability	62.5	25	12.5	0	0	100
Knowledge Skills and Values	25	50	25	0	0	100
Adaptability	50	25	25	0	0	100



Name of the Institute: Symbiosis Institute of Technology

Name of the Program: B. Tech Robotics and Automation

Employers Feedback for design and review of syllabus

Academic Year: 2022 -23

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No. of Respondents :8

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	6	2			
2	The curriculum has a good blend of theory and practical aspects	5	2	1		
3	The students of the programme are adequately trained in terms of knowledge, skills and values	2	4	2		
4	The students of the programme demonstrates the ability to learn new things quickly, to adapt, to the dynamic environment	4	2	2		

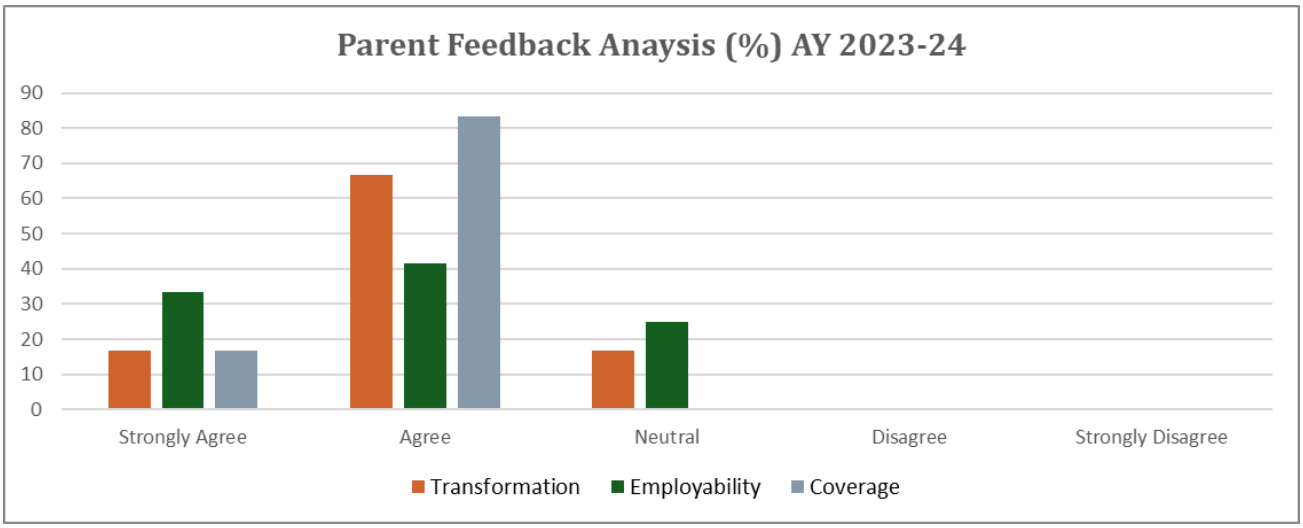
Sr. No	Question	Yes	No
1	Would you recommend any new course / topic to be added in the program structure?	7	1

Summary of Feedback Analysis and Action Taken:

Sr. No	Particulars / Action Point	Action Taken
1	Introduce software related to PLC HMI and SCADA	Hands-on workshop on PLC/SCADA is planned in collaboration with industry.
2	Exposure of Embedded system	PCB designing is added in curriculum of basic of manufacturing practices. Embedded system as a major course is proposed for upcoming batch.

Parents Feedback %

Parameter	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Total
Transformation	16.67	66.67	16.67	0	0	100
Employability	33.33	41.67	25	0	0	100
Coverage	16.67	83.33	0	0	0	100



Name of the Program: B. Tech Robotics and Automation

Parent Feedback for design and review of syllabus

Academic Year: 2023-24

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No. of Respondents :12

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.	2	8	2		
2	The curriculum would make my ward employable and industry ready.	4	5	3		
3	The curriculum provides a choice of courses/specialization to select.	2	10			

Sr No	Question	Yes	No
1	Would you recommend any new course / topic to be added in the program structure?	7	5

Summary of Feedback Analysis and Action Taken:		
Sr. No	**Particulars / Action Point**	**Action Taken**
1	Add advanced courses related to AI/ML	Advanced course such as Block Chain Technology For Robotics is planned to conduct through industry expert.