MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

Department of Chemical Engineering Feedback Analysis & Action Taken Report

ITEM NO. 20 To review	Feedback	Feedback Comments	Feedback Action Taken		
curricula feedback from various stakeholders, its analysis and impact	Students Feedback	 The curriculum is up to date Minor specialization in ASPEN Plus. Python programming related course should be added in curriculum. Plant design and economics should be added as DE Design of mass transfer equipment should be added as honors 	 Scope of improvement is being explored Matter will be discussed with BoS experts. Already added and part of the curriculum and training has been taken by the departmental faculties. Same will be put up before concerned authorities Same will be put up before concerned authorities 		
	Faculty Feedback	 Adequate Books are not available for the elective course on Fuel Technology (910115) 	The Library officer will be informed about the situation		
	Parents Feedback	 There should be good placement opportunities for core companies in upcoming semesters Practical is more important than theory so I request to college authorities make at least one industrial visit in a month 	 Training and placement division is working on this. It will be taken care off from the next semester 		
	Alumni Feedback	 Revision of syllabus is required Need to particularly focus on practical application rather than teaching theories. Availability of Books in Library Department should have a regular industrial visit. 	 Already discussed and changed in BoS accordingly All the faculty members have been instructed to discuss the theory with some practical applications in their respective courses. Students are also being supervised in skill-based project. 		

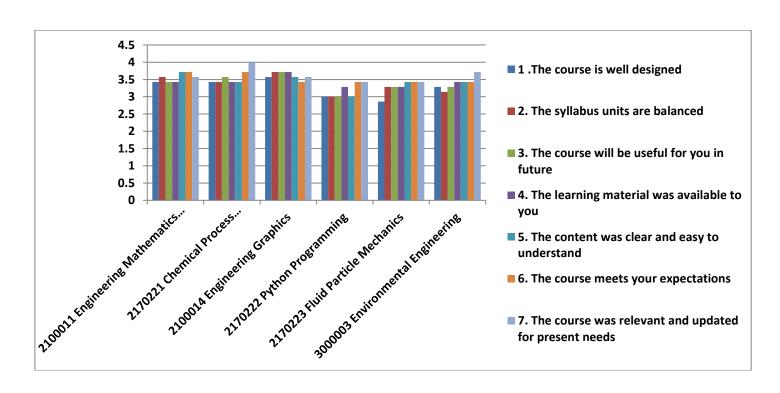
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal) The Library officer has been informed about the situation and also shared the list of Books. • Department is exploring opportunity related to conduction of industrial visit. **Employer Feedback** The courses offered are only New Technology and Industry related course already offered in relevant up to a certain level there flexible curriculum. should be a proper commencement of newly Regarding this Provision is there in technologies introduced in the open category courses. industries Need some courses on finance as well. Data science is an emerging field an exposure of that will be beneficial.

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Students Feedback on Course Curriculum

S. No.	Comments	Action Taken
	 The curriculum is up to date Minor specialization in ASPEN Plus. Python programming related course should be added in curriculum. Plant design and economics should be added as DE Design of mass transfer equipment should be added as honors 	 Scope of improvement is being explored Matter will be discussed with BoS experts. Already added and part of the curriculum and training has been taken by the departmental faculties. Same will be put up before concerned authorities Same will be put up before concerned authorities

Course Curriculum Feedback (by students on MOODLE): (Jan – June 2023) 2nd Semester, Sample Size: 7



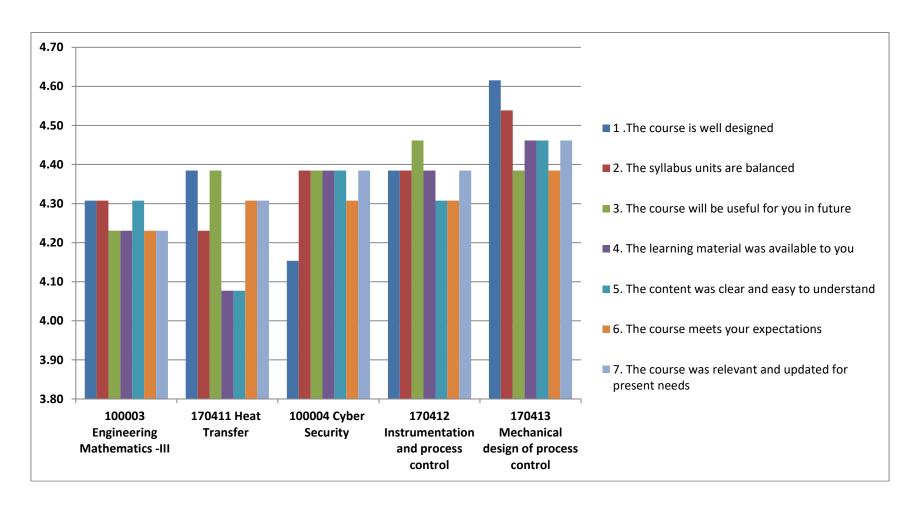
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SUMMARY SHEET (Course Curriculum Feedback by Students on MOODLE) IInd Semester, Sample Size: 7

Parameter (Average Grading)	1. The course is well designed	2. The syllabus units are balanced	3. The course will be useful for you in future	4. The learning material was available to you	5. The content was clear and easy to understand	6. The course meets your expectations	7. The course was relevant and updated for present needs	Average
2100011 Engineering Mathematics - I	3.43	3.57	3.43	3.43	3.71	3.71	3.57	3.55
2170221 Chemical Process Calculations	3.43	3.43	3.57	3.43	3.43	3.71	4.00	3.57
2100014 Engineering Graphics	3.57	3.71	3.71	3.71	3.57	3.43	3.57	3.61
2170222 Python Programming	3.00	3.00	3.00	3.29	3.00	3.43	3.43	3.16
2170223 Fluid Particle Mechanics	2.86	3.29	3.29	3.29	3.43	3.43	3.43	3.29
3000003 Environmental Engineering	3.29	3.14	3.29	3.43	3.43	3.43	3.71	3.39

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Course Curriculum Feedback (by students on MOODLE): (Jan – June 2023) IVth Semester, Sample Size: 13



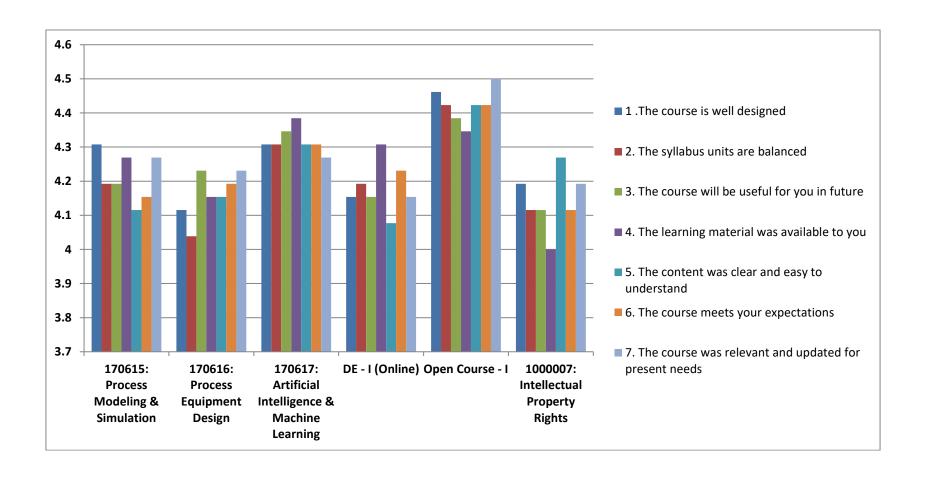
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SUMMARY SHEET (Course Curriculum Feedback by Students on MOODLE) IVth Semester, Sample Size: 13

Parameter (Average Grading)	1 .The course is well designed	2. The syllabus units are balanced	3. The course will be useful for you in future	4. The learning material was available to you	5. The content was clear and easy to understand	6. The course meets your expectations	7. The course was relevant and updated for present needs	Average
100003 Engineering Mathematics -III	4.31	4.31	4.23	4.23	4.31	4.23	4.23	4.26
170411 Heat Transfer	4.38	4.23	4.38	4.08	4.08	4.31	4.31	4.25
100004 Cyber Security	4.15	4.38	4.38	4.38	4.38	4.31	4.38	4.34
170412 Instrumentation and process control	4.38	4.38	4.46	4.38	4.31	4.31	4.38	4.37
170413 Mechanical design of process control	4.62	4.54	4.38	4.46	4.46	4.38	4.46	4.47
170414 Mass Transfer -I	4.38	4.38	4.38	4.38	4.38	4.23	4.46	4.37

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Course Curriculum Feedback (by students on MOODLE): (Jan – June 2023) VIth Semester, Sample Size: 26



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

SUMMARY SHEET (Course Curriculum Feedback by Students on MOODLE) VIth Semester, Sample Size: 26

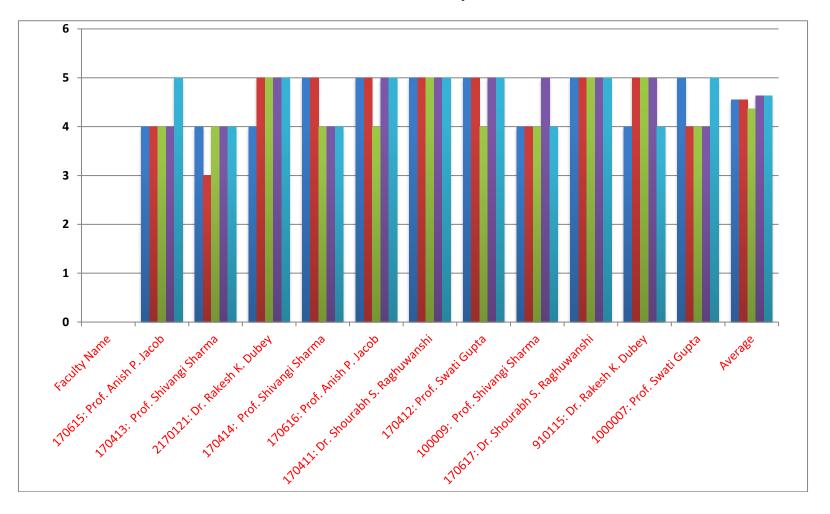
Parameter (Average Grading)	1. The course is well designed	2. The syllabus units are balanced	3. The course will be useful for you in future	4. The learning material was available to you	5. The content was clear and easy to understand	6. The course meets your expectations	7. The course was relevant and updated for present needs	Average
170615: Process Modeling & Simulation	4.31	4.19	4.19	4.27	4.12	4.15	4.27	4.21
170616: Process Equipment Design	4.12	4.04	4.23	4.15	4.15	4.19	4.23	4.16
170617: Artificial Intelligence & Machine Learning	4.31	4.31	4.35	4.38	4.31	4.31	4.27	4.32
DE - I (Online)	4.15	4.19	4.15	4.31	4.08	4.23	4.15	4.18
Open Course - I	4.46	4.42	4.38	4.35	4.42	4.42	4.50	4.42
1000007: Intellectual Property Rights	4.19	4.12	4.12	4.00	4.27	4.12	4.19	4.14

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Faculty Feedback on Course Curriculum

S. No.	Comments	Action Taken
1.	 A very healthy environment for teaching but there are no specific research facilities Adequate Books are not available for the elective course on Fuel Technology (910115) 	concerned authoritiesThe Library officer will be informed

TEACHERS' COURSE CURRICULUM FEEDBACK (by teacher on MOODLE): (Jan – June 2023)



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SUMMARY SHEET (Teachers Course Curriculum Feedback by Teacher on MOODLE)

Parameter (Average Grading)	1. The availability of books & E-learning material in the institute is good.	2. The Courses and content are up to date.	3. The course curriculum/syllabi are helpful in meeting the higher studies/placement requirements according to present global trends.	4. The course / contents in your domain/area are well designed and frequently updated, hence need no changes at present.	5. The curriculum is capable of inculcating life-long learning abilities in students.
170615: Process Modeling & Simulation	4	4	4	4	5
170413: Mechanical Design of Process Equipment	4	3	4	4	4
2170121: Fuel Technology	4	5	5	5	5
170414: Mass Transfer - I	5	5	4	4	4
170616: Process Equipment Design	5	5	4	5	5
170411: Heat Transfer	5	5	5	5	5
170412: Instrumentation & Process Control	5	5	4	5	5
100009: Cyber Security	4	4	4	5	4
170617: Artificial Intelligence and Machine Learning	5	5	5	5	5
910115: Fuels and Combustion	4	5	5	5	4
1000007: Intellectual Property Rights	5	4	4	4	5

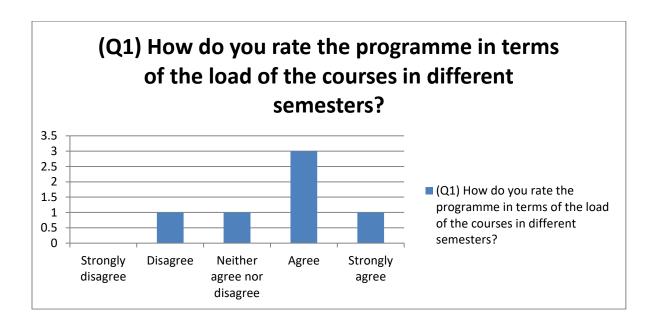
Teacher Course Satisfaction Index (TSI) (on a scale of 5) (5: Excellent, 4: Very Good, 3: Good, 2: Average, 1: Below Average)

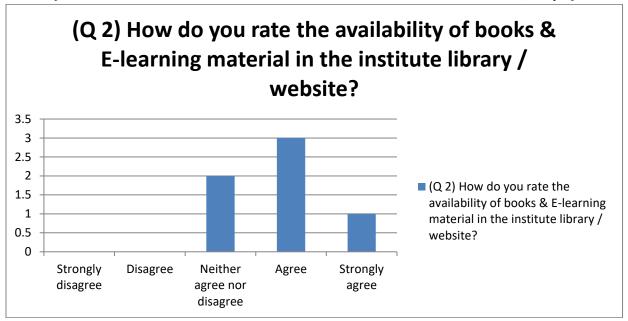
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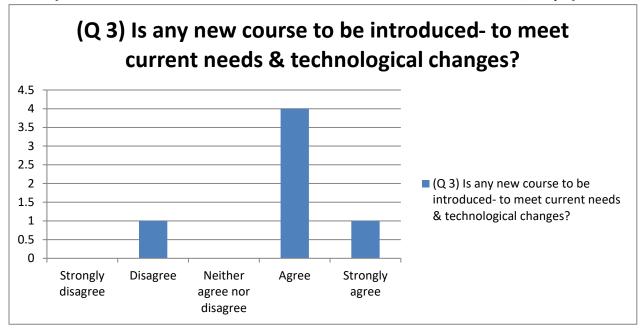
Parent Feedback

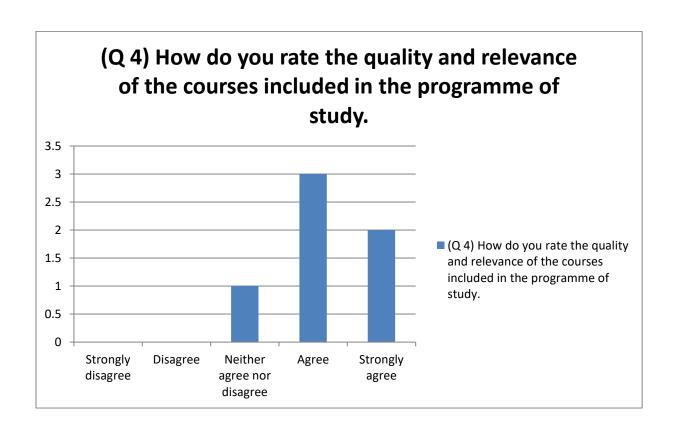
S. No.	Comments	Action Taken
1.	There should be good placement opportunities for core companies in upcoming semesters	Training and placement division is working on this.
2.	Practical is more important than theory so I request to college authorities make at least one industrial visit in a month	It will be taken care off from the next semester

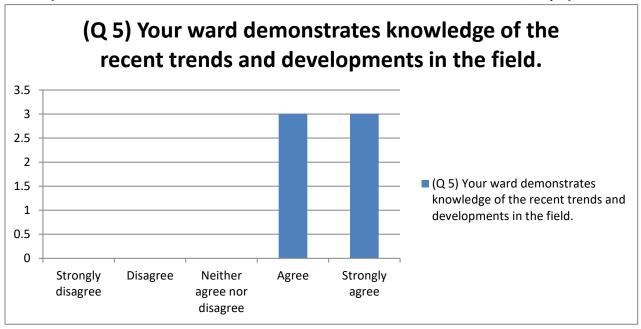
Parent Satisfaction Survey 1nd year 2022 – 23) Sample Size: 06

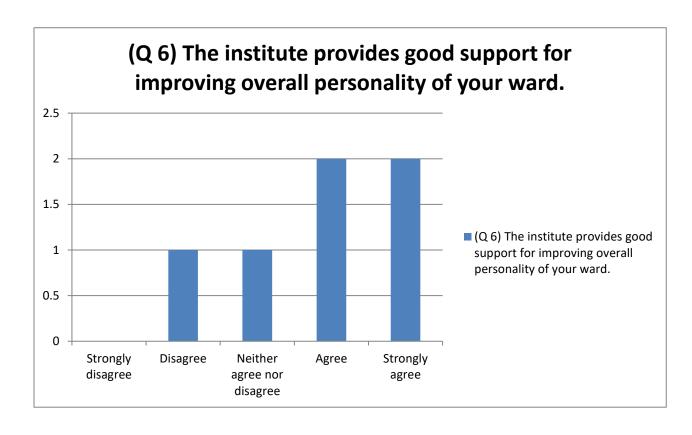


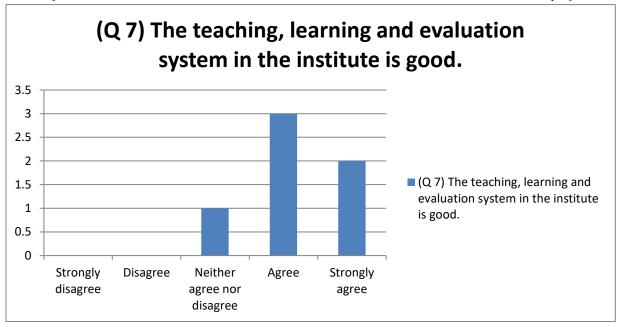


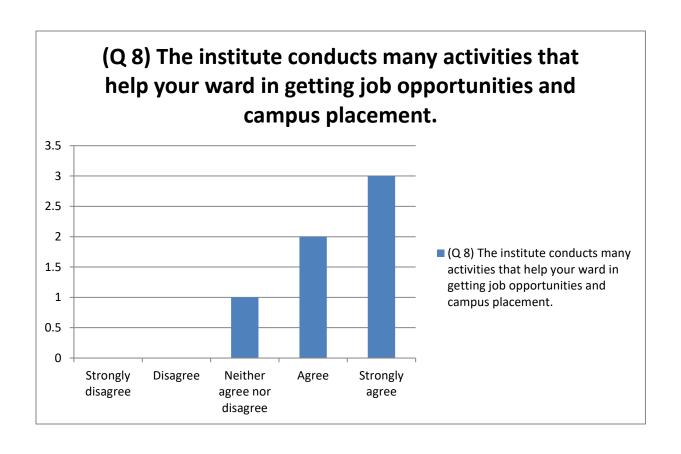


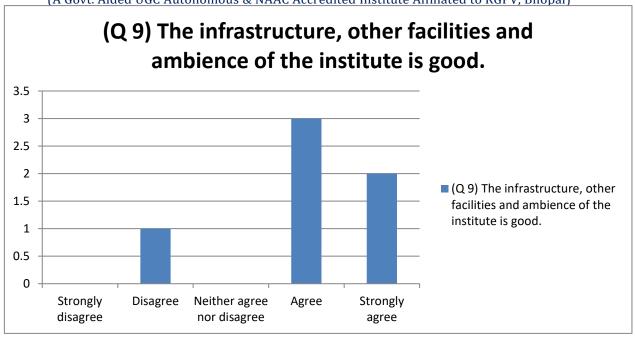


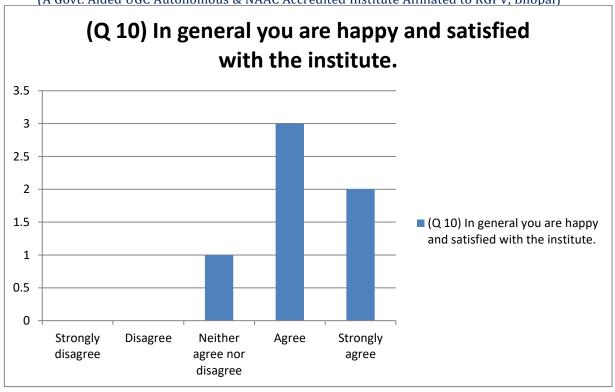








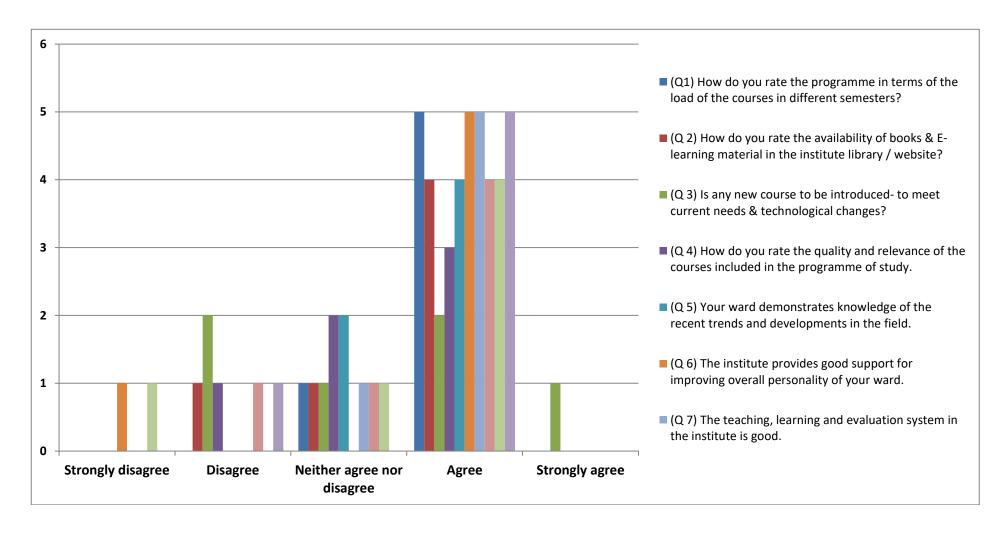




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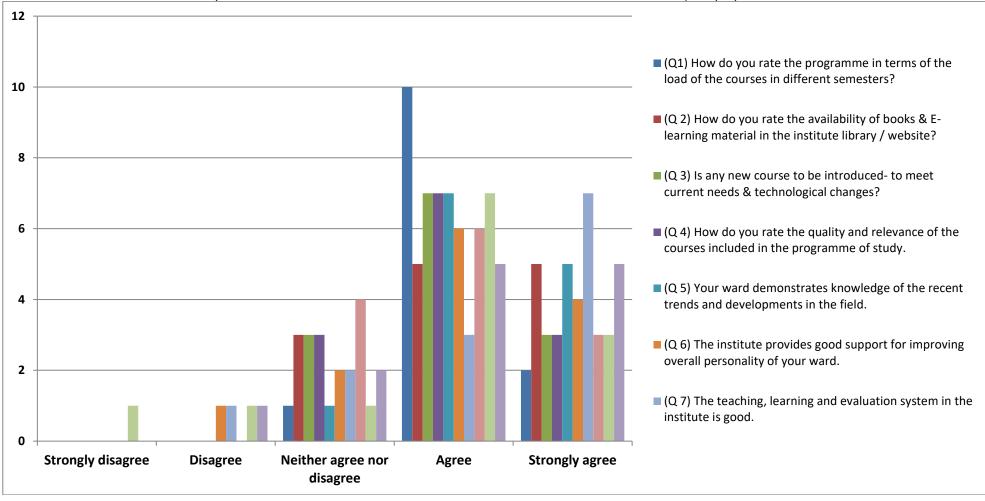
Summary Sheet Parent Satisfaction survey $\mathbf{1}^{st}$ year (Jan-June 2023) Sample Size: 06

	(Q1) How do you rate the programme in terms of the load of the courses in different semesters?	(Q 2) How do you rate the availability of books & E-learning material in the institute library / website?	(Q 3) Is any new course to be introduced-to meet current needs & technological changes?	(Q 4) How do you rate the quality and relevance of the courses included in the programme of study.	(Q 5) Your ward demonstrates knowledge of the recent trends and developments in the field.	(Q 6) The institute provides good support for improving overall personality of your ward.	(Q 7) The teaching, learning and evaluation system in the institute is good.	(Q 8) The institute conducts many activities that help your ward in getting job opportunities and campus placement.	(Q 9) The infrastructure, other facilities and ambience of the institute is good.	(Q 10) In general you are happy and satisfied with the institute.
Strongly disagree	0	0	0	0	0	1	0	0	1	0
Disagree	0	1	2	1	0	0	0	1	0	1
Neither agree nor disagree	1	1	1	2	2	0	1	1	1	0
Agree	5	4	2	3	4	5	5	4	4	5
Strongly agree	0	0	1	0	0	0	0	0	0	0
Parent Satisfaction Index (PSI)	3.83	3.50	3.33	3.33	3.67	3.50	3.83	3.50	3.33	3.67



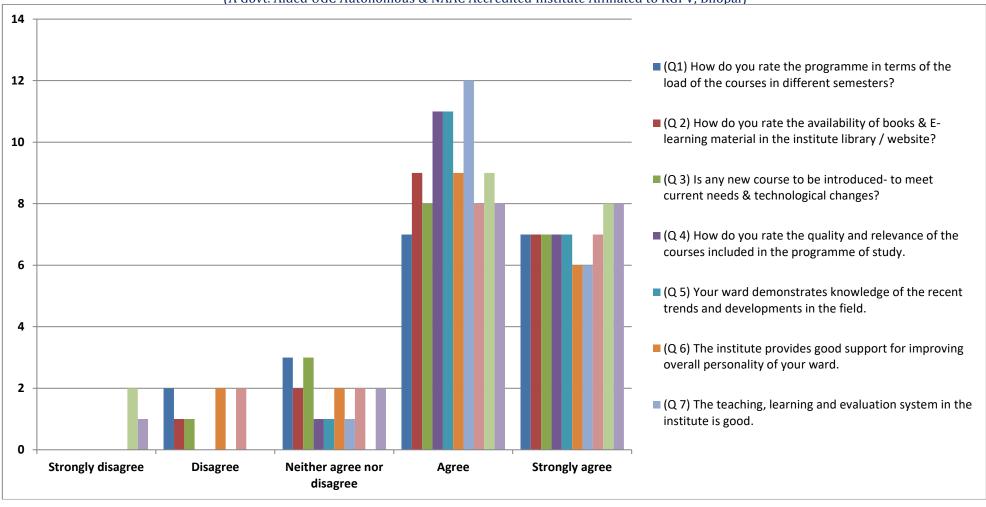
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal) Summary Sheet Parent Satisfaction survey 2nd year (Jan-June 2023) Sample Size: 13

	(Q1) How do you rate the programme in terms of the load of the courses in different semesters?	(Q 2) How do you rate the availability of books & E-learning material in the institute library / website?	(Q 3) Is any new course to be introduced- to meet current needs & technological changes?	(Q 4) How do you rate the quality and relevance of the courses included in the programme of study.	(Q 5) Your ward demonstrates knowledge of the recent trends and developments in the field.	(Q 6) The institute provides good support for improving overall personality of your ward.	(Q 7) The teaching, learning and evaluation system in the institute is good.	(Q 8) The institute conducts many activities that help your ward in getting job opportunities and campus placement.	(Q 9) The infrastructure, other facilities and ambience of the institute is good.	(Q 10) In general you are happy and satisfied with the institute.
Strongly disagree	0	0	0	0	0	0	0	0	1	0
Disagree	0	0	0	0	0	1	1	0	1	1
Neither agree nor disagree	1	3	3	3	1	2	2	4	1	2
Agree	10	5	7	7	7	6	3	6	7	5
Strongly agree	2	5	3	3	5	4	7	3	3	5
Parent Satisfaction Index (PSI)	4.08	4.15	4.00	4.00	4.31	4.00	4.23	3.92	3.77	4.08



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal) Summary Sheet Parent Satisfaction survey 3rd year (Jan-June 2023) Sample Size: 19

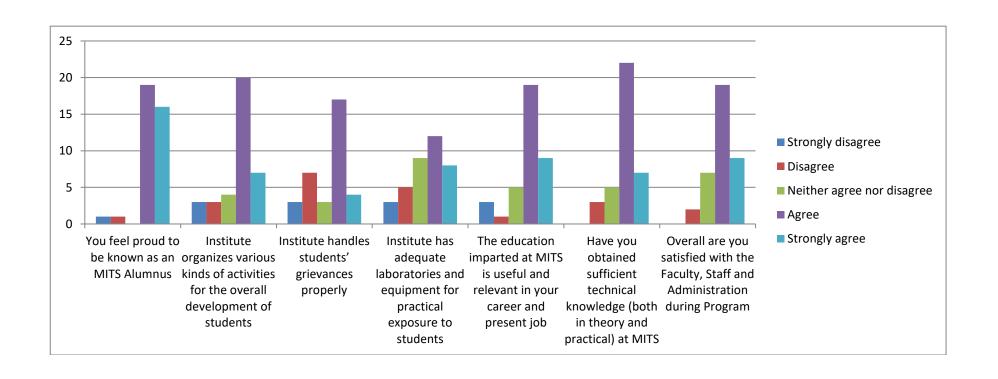
	(Q1) How do you rate the programme in terms of the load of the courses in different semesters?	(Q 2) How do you rate the availability of books & E- learning material in the institute library / website?	(Q 3) Is any new course to be introduced- to meet current needs & technological changes?	(Q 4) How do you rate the quality and relevance of the courses included in the programme of study.	(Q 5) Your ward demonstrates knowledge of the recent trends and developments in the field.	(Q 6) The institute provides good support for improving overall personality of your ward.	(Q 7) The teaching, learning and evaluation system in the institute is good.	(Q 8) The institute conducts many activities that help your ward in getting job opportunities and campus placement.	(Q 9) The infrastructure, other facilities and ambience of the institute is good.	(Q 10) In general you are happy and satisfied with the institute.
Strongly disagree	0	0	0	0	0	0	0	0	2	1
Disagree	2	1	1	0	0	2	0	2	0	0
Neither agree nor disagree	3	2	3	1	1	2	1	2	0	2
Agree	7	9	8	11	11	9	12	8	9	8
Strongly agree	7	7	7	7	7	6	6	7	8	8
Parent Satisfaction Index (PSI)	4.00	4.16	4.11	4.32	4.32	4.00	4.26	4.05	4.11	4.16

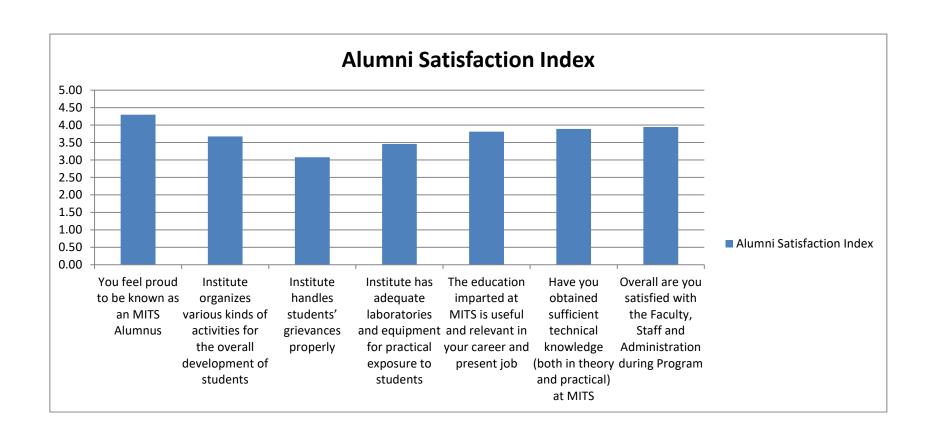


Alumni Feedback

S. No.	Comments	Action Taken
1	Revision of syllabus is required	Already discussed and changed in BoS accordingly
2	Need to particularly focus on practical application rather than teaching theories.	All the faculty members have been instructed to discuss the theory with some practical applications in their respective courses.
3	Availability of Books in Library	The Library officer has been informed about the situation and also shared the list of Books.
4	Department should have a regular industrial visits.	Department is exploring opportunity related to conduction of industrial visit.

ALUMNI SATISFACTION SURVEY: (2022-2023): Sample Size: 37





SUMMARY SHEET (Alumni Satisfaction Survey) Sample Size: 37

Parameter (Average grading)	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree	Alumni Satisfaction Index
You feel proud to be known as an MITS Alumnus	1	1	0	19	16	4.30
Institute organizes various kinds of activities for the overall development of students	3	3	4	20	7	3.68
Institute handles students' grievances properly	3	7	3	17	4	3.08
Institute has adequate laboratories and equipment for practical exposure to students	3	5	9	12	8	3.46
The education imparted at MITS is useful and relevant in your career and present job	3	1	5	19	9	3.81
Have you obtained sufficient technical knowledge (both in theory and practical) at MITS	0	3	5	22	7	3.89
Overall are you satisfied with the Faculty, Staff and Administration during Program	0	2	7	19	9	3.95

Alumni Satisfaction Index (ASI) (on a scale of 5) (5: Excellent, 4: Very Good, 3: Good, 2: Fair, 1: Poor)

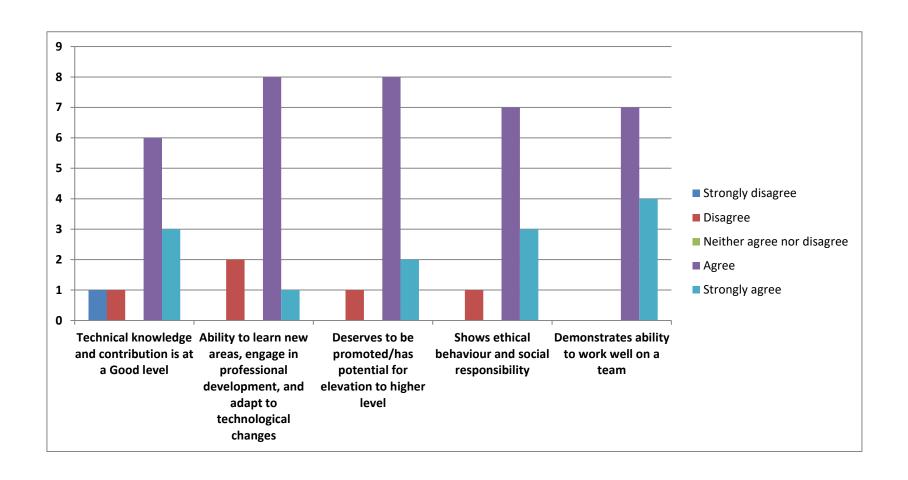
Details of Alumni who have give the Feedback

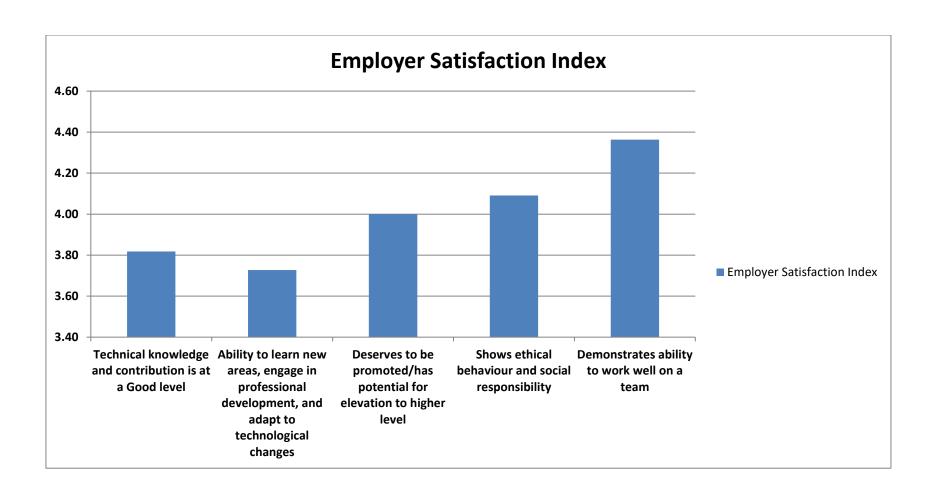
S. No.	Name	Organization	Mail id	Phone No.
1.	Udit Singh Rajput	Pulsus Healthcare Pvt. Ltd.	rajputudit25sep@gmail.com	7999886247
2.	Kakul Joshi	DCM Shriram Rayons	skakul374@gmail.com	8109860434
3.	Vivek Singh	Lupin Limited	Vivek.singh0797@gmail.com	8153043120
4.	Sourabh Kumar Shrivastava	GACL-NALCO Alkalies And Chemicals	subh.mits88@gmail.com	-
5.	Indraneel Nandi	KBR technology	indraneel.nandi@gmail.com	9911345984
6.	Radhika Paliwal	Streamingo.ai	paliwalradhika162@gmail.com	8963914208
7.	Soniya Markam	CSIR-NML jamshedpur	Soniyamarkam397@gmail.com	9425993239
8.	Akshar Pandey	SRF Ltd	aksharpandey88@gmail.com	7814687561
9.	Lokesh Singh kisroliya	Industry	Lokeshsinghkisroliya@gmail.com	7987484361
10.	Kunjbihari Katare	Orient cement limited	kunjkatare@yahoo.co.in	7000310430
11.	Hemang Mahajani	Accenture Solutions	Hemangmahajani09@gmail.com	9039633225
12.	Mukesh Sharma	Ginni International Limited	mukesh9867436784@gmail.com	9920750749
13.	Manish Gupta	Detox India Private Limited (Veolia Water)	Manishgptind@gmail.com	7047292846
14.	Shahid mansoori	Industry	shahidcool7786@gmail.com	7869266446
15.	Rahul Gosavi	Indian Oil Corporation Limited, Panipat Refinery	rahul_goswami5@rediffmail.com	9729397138
16.	Aditya Rao	Great Galleon Ventures Ltd.	adityarao2575@gmail.com	8770262082
17.	Ritu Ranjan	Dishman carbogen amcis ltd	ritu.ranjan.che16@gmail.com	9304162778
18.	Gajendra Kushwah	National fertilizer limited	gd.kushwah03@gmail.com	7772954279
19.	Imrat bihuniya	-	noddyy24@gmail.com	8839907713
20.	Abhishek Gupta	Ion Exchange	abhishek40122@gmail.com	9630882244
21.	Shivangi Sharma	Jiwaji university	shivangi887@gmail.com	8370039690
22.	Tushar Maheshwari	BORL	tshrmaheshwari@gmail.com	8109692396
23.	Himanshu Jain	LUPIN limited	himanshujain046@gmail.com	9770261004

Employer Feedback

S. No.	Comments	Action Taken
1	They must focus on the core rather making aware about other subjects	Courses are offered according NEP
2 .	The courses offered are only relevant upto a certain level there should be a proper commencement of newly technologies introduced in the industries then only we can make graduates ready for an industry. They must taught about the ethics and principles which one should follow while working inside the chemical industries.	New Technology and Industry related course already offered in flexible curriculum.
3	Must include an optional course on chemical/industrial operations which are practiced in different process industries.	Some Such courses are offered on NPTEL platform under DE
4	Need some courses on finance as well. Data science is an emerging field an exposure of that will be beneficial.	Regarding this Provision is there in open category courses.
5	If possible, addition of 2-3 months of internship or practising of students in multiple industries to get contemporary knowledge in industrial operations.	Students get industrial (1 month) visit after 6 th sem and during 8 th sem most of the students are engaged with industrial internship (4-6months)

EMPLOYER SATISFACTION SURVEY: (2022-2023): Sample Size: 11





SUMMARY SHEET (Employer Satisfaction Survey) Sample Size: 11

Parameter (Average grading)	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree	Employer Satisfaction Index
Technical knowledge and contribution is at a Good level	1	1	0	6	3	3.82
Ability to learn new areas, engage in professional development, and adapt to technological changes	0	2	0	8	1	3.73
Deserves to be promoted/has potential for elevation to higher level	0	1	0	8	2	4.00
Shows ethical behaviour and social responsibility	0	1	0	7	3	4.09
Demonstrates ability to work well on a team	0	0	0	7	4	4.36

Employer Satisfaction Index (ESI) (on a scale of 5) (5: Excellent, 4: Very Good, 3: Good, 2: Fair, 1: Poor)