

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute, Affiliated to RGPV, Bhopal)

Department of Information Technology

Analysis Report of Feedback on Course Curriculum Collected from various Stakeholders

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3.	Alumni Feedback: https://docs.google.com/document/d/1HOah3sE_6_riUixA5vOvNgubNGBftkpU/edit?usp=share_link&ouid=103555980183400298166&rtpof=true&sd=true	

Session wise analysis and impact report: Nov. 2022- March 2023(1st Sem.)

Based on the feedback data received from total 716 (Approximate) students and 16 faculty members (First semester- IT, IT-AIR, IT-IoT, AIML, AIDS) for the academic session Nov. to March 2023, following points have been analysed:

- It has been observed that, in first semester 45.52% of students are strongly agreed, 30.74% of students are agreed, 20.19% of students are neutral, 3.55% of students are disagreed and no students are strongly disagreed with the syllabus/ content that they have studied in the first semester.
- Some students have suggested to remove:
 - Remove K-Map from **Digital logic design**.
 - Reduce theoretical part from unit 4 and 5 from **Introduction to AIDS** syllabus.
 - Reduced the weightage of transformer from syllabus of **BEE**.
 - Update content of NestedIF and array from **Computer Programming**.
- Students have suggested to add
 - New Course / Content related to problem solving in programming and CPP real life project development through Devops.
 - Content of ML practical problem, SVM in course of "Introduction in AIDS".

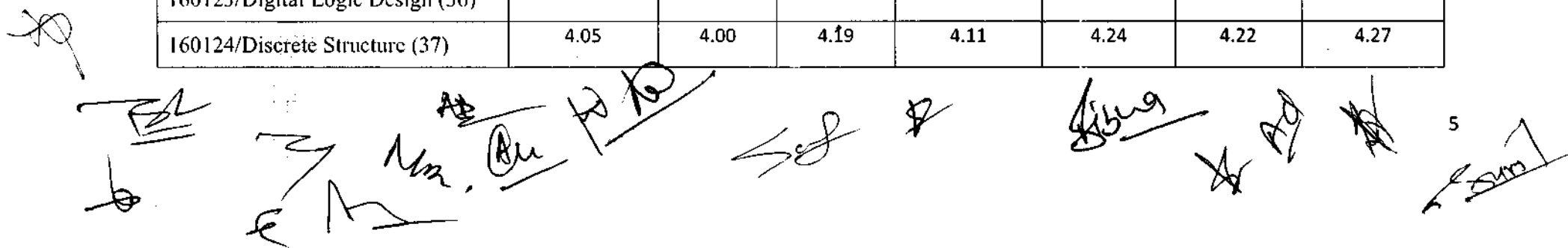
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270121/Introduction to AIDS	Mention the course / contents which in your opinion is outdated & needs to be removed.	Unit 4 and 5 are consist too much theoretical	ML, SVM, Soft Skill, Electronics and cloud computing already part of curriculum (students will study in upcoming semesters) Topics, content and courses will be updated (like Intro to haskell programming,) and remove in syllabus or curriculum, after discussion with Department faculties.
	Name course / contents which needs to be updated.	way in unit 4 and 5 in which we can understand NLP and other tools ,,and there must be some minor practical project in unit 3,4,5 in which we can apply ML practically on datasets	
	Is any new course required to meet current needs?	the SVM should be included in this course	
	Honours:	Cloud computing, Intro to haskell programming, Blockchain	
	Minor specialization:	Electronics	
	Departmental electives:	Soft skills	
	Open electives:	Bhagvat Gita	
100022/Basic Electrical Electronics Engineering	Minor specialization:	System Design	System design will study in upcoming semesters. (Already part of curriculum)
	Departmental electives:	electronics for robotics and automation system	
280122/Computer Programming	Mention the course / contents which in your opinion is outdated & needs to be removed.	Memory Management through C programming	These topics will study in upcoming semesters.
	Name course / contents which needs to be updated.	C++ Real life project Deployment through devops	
	Is any new course required to	Vector library and	

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	meet current needs?	few renownedapi's should be taught	
	(i) Honours:	Introduction to devops	
	(ii) Minor specialization:	Web3	
	(III) Departmental electives:	Business, Finance	
	(iv) Open electives:	Psychology	
280123/Digital Logic Design	Mention the course / contents which in your opinion is outdated & needs to be removed.	K-Map	Learning of Simplification of boolean expression using k-map is important
	Name course / contents which needs to be updated.	Circuits	Insufficient input
Link	https://drive.google.com/drive/folders/1wmTaDEV1R_KEhH6a7GFUAiGXIQOxBfvJ?usp=share_link		
Action Taken (threshold value 3.5)	After the compilation of data (student feedback for the courses they have studied), we have observed that students are quite satisfied with the courses they have studied. However they have suggested some courses/ up gradation in the existing syllabus. Moreover their suggestions are under consideration.		

Subject Code / Subject Name (no. of students attempted feedback)	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
160121/Introduction to IT (55)	3.89	3.95	4.11	4.18	4.00	4.02	3.95
160122/Computer Programming(58)	4.14	4.00	3.97	4.02	4.17	4.26	4.28
160123/Digital Logic Design (36)	3.97	3.89	3.89	4.06	4.11	3.97	3.78
160124/Discrete Structure (37)	4.05	4.00	4.19	4.11	4.24	4.22	4.27


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100022/Basic Electrical Electronics Engineering (70)	3.86	3.81	4.11	3.81	3.72	3.61	3.53
230121/Introduction to IoT (12)	4.17	4.25	4.17	3.92	4.00	4.00	4.00
230122/Computer Programming (11)	4.36	4.18	4.18	3.72	4.45	4.36	4.18
230123/Digital Logic Design (15)	3.87	4.00	3.67	3.87	3.67	3.60	3.67
240121/Introduction to AI (33)	3.84	3.69	3.75	3.63	3.84	3.72	3.84
240122/Computer Programming (34)	4.29	4.12	4.26	4.26	4.24	4.26	4.35
240123/Digital Logic Design (54)	3.74	3.76	3.59	3.52	3.78	3.67	3.80
100022/Basic Electrical Electronics Engineering (26)	4.15	4.15	3.85	4.00	3.81	3.92	3.73
270121/Introduction to AIDS (29)	4.03	3.93	4.03	4.00	4.31	4.10	4.17
270122/Computer Programming (33)	3.91	3.76	4.12	4.18	4.06	4.15	4.27
270123/Digital Logic Design (31)	4.58	4.51	4.48	4.54	4.54	4.51	4.58
100022/Basic Electrical Electronics Engineering (36)	4.03	4.03	4.00	4.11	4.03	4.00	3.86
280121/Introduction to AIML (28)	3.85	4	4	3.96	4.14	4.17	4.28
280122/Computer Programming (37)	4.05	4	4.18	4.11	4.24	4.21	4.27
280123/Digital Logic Design (26)	4.34	4.34	4.30	4.34	4.38	4.23	4.34

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Subject Name	Semester	Faculty Name	Strongly Agree in %	Agree in %	Neutral in %	Disagree in %	Strongly disagree in %
160121/Introduction to IT	1	AdityaDubey	36.10	34.55	23.90	5.45	0.00
160122/Computer Programming	1	Dr. DhananjayBisen	43.60	29.80	22.17	3.69	0.74
160123/Digital Logic Design	1	Dr. NidhiSaxena	32.94	37.70	21.43	7.54	0.40
160124/Discrete Structure	1	Dr. VikramRajpoot	39.38	40.15	17.37	2.70	0.39
100022/Basic Electrical Electronics Engineering	1	Dr. Tej Singh	28.78	31.02	25.92	11.84	2.45
230121/Introduction to IoT	1	VikasSejwar	40.00	20.00	40.00	0.00	0.00
230122/Computer Programming	1	Dr. Sanjiv Sharma	40.00	40.00	18.18	1.82	0.00
230123/Digital Logic Design	1	Dr. PawanDubey	17.14	49.52	27.62	3.81	1.90
240121/Introduction to AI	1	AbhilashSonkar	26.84	35.50	27.27	8.23	2.16
240122/Computer Programming	1	AdityaDubey	47.06	37.39	9.66	5.88	0.00
240123/Digital Logic Design	1	Dr. Punit Kumar Johari	25.93	29.10	35.19	7.94	1.85
100022/Basic Electrical Electronics Engineering	1	Dr.PawanDubey	29.67	42.31	22.53	3.85	1.65
270121/Introduction to AIDS	1	Dr. Bhagat Singh Raghuwanshi	44.83	23.15	27.59	4.43	0.00
270122/Computer Programming	1	AdityaDubey	37.66	36.36	20.78	5.19	0.00
270123/Digital Logic Design	1	Dr. Abhishek Dixit	64.06	26.27	9.22	0.46	0.00
100022/Basic Electrical Electronics Engineering	1	Dr.NidhiSaxena	32.94	38.89	24.21	3.97	0.00

280121/Introduction to AIML	1	Dr. Bhagat Singh Raghuwanshi	36.73	36.22	23.47	3.57	0.00
280122/Computer Programming	1	Mir Shahnawaz Ahmad	39.38	40.15	17.37	2.70	0.39
280123/Digital Logic Design	1	Dr. SaumilMaheshwari	54.94	26.92	16.48	1.64	0
		Average	45.52	30.74	20.19	3.55	0.00

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COURSE CURRICULUM FEEDBACK (by Faculty on MOODLE)

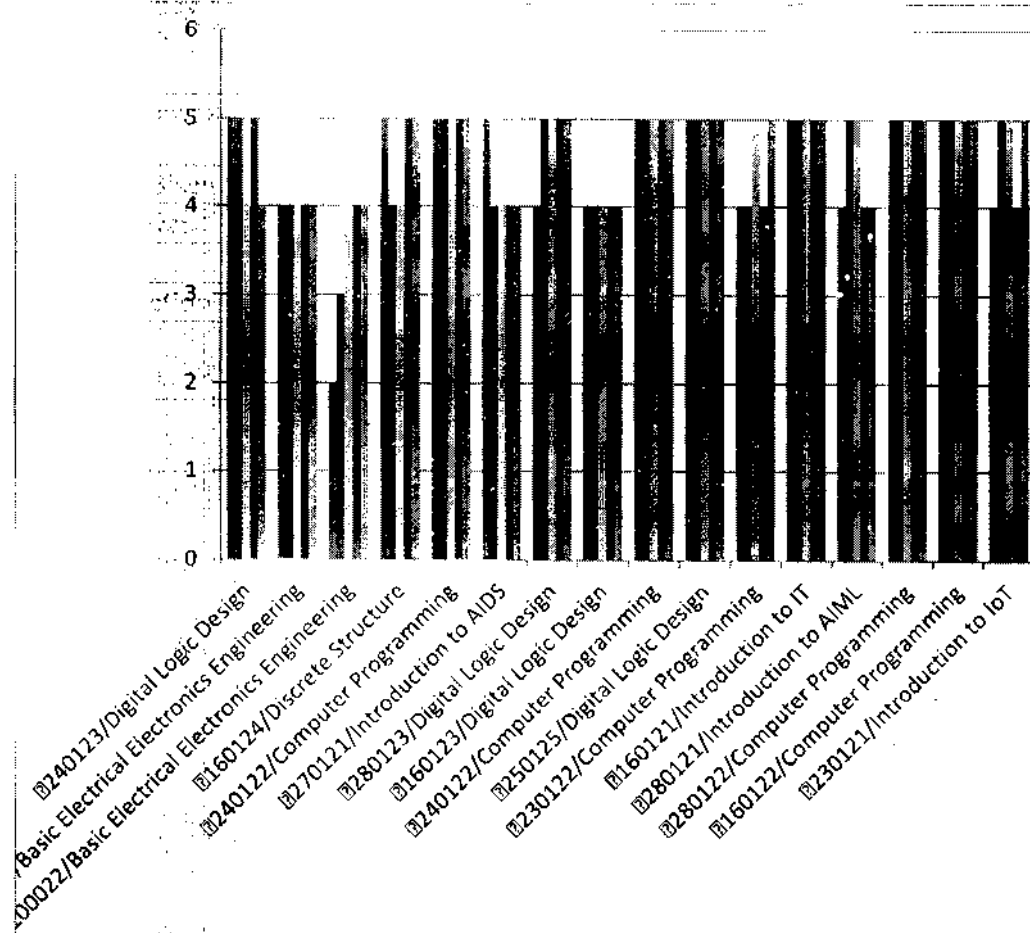
Action taken (threshold value 3.5)

As per given suggestions of faculty members, it is observed that most of the faculty members have satisfied with course content, curriculum/ syllabus and the related other parameters of first semester. The curriculum is capable of inculcating life-long learning abilities in students. Syllabus is updated as per the requirement of current scenario wrt Industry demand and research aspect as well.

Link: <https://docs.google.com/spreadsheets/d/1qJUBGQ4->

Wv1vOcrvJ7IrujzPsm_p6sw/edit?usp=share_link&oid=103555980183400298166&rtpof=true&sd=true

S.N.	Faculty Name	Subject Code/ Subject Name	1. The availability of books & E-learning material in the institute is good. (Please give your opinion)	2. The Courses and content are up to date. Please suggest if you feel any new course(s) need to be introduced to meet current needs & technological changes?	3. The course curriculum/syllabi are helpful in meeting the higher studies/placement requirements according to present global trends. (Please give suggestions if any)	4. The course / contents in your domain/area are well designed and frequently updated, hence need no changes at present. [If you feel some changes (new content to be added or outdated content to be removed) are needed, please suggest]	5. The curriculum is capable of inculcating life-long learning abilities in students. (Any suggestions, please give below)
1	Dr. Nidhi Saxena	100022/Basic Electrical Electronics Engineering	4	4	4	4	4
2	Dr. Tej singh	100022/Basic Electrical Electronics Engineering	2	3	4	4	4
3	Dr. Vikram Rajpoot	160124/Discrete Structure	5	4	4	5	5
4	Dr. Abhishek Dixit	240123/Digital Logic Design	5	5	4	5	4
5	Prof. Aditya Dubey	240122/Computer Programming	5	5	5	5	5
6	Dr. Bhagat Singh Raghuwanshi	270121/Introduction to AIDS	5	4	4	4	4



- 1. The availability of books & E-learning material in the institute is good. (Please give your opinion)
- 2. The Courses and content are up to date. Please suggest if you feel any new course(s) need to be introduced to meet current needs & technological changes?
- 3. The course curriculum/syllabi are helpful in meeting the higher studies/placement requirements according to present global trends. (Please give suggestions if any)
- 4. The course / contents in your domain/area are well designed and frequently updated, hence need no changes at present. (If you feel some changes (new content to be added or outdated content to be removed) are needed, please suggest)
- 5. The curriculum is capable of inculcating life-long learning abilities in students. (Any suggestions, please give below)

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Alumni Feedback

Analysis and Impact Report:

Based on the feedback data received from total 48 Alumni of above mentioned batch following points have been analyzed:

- It has been analyzed that 32.61% of students are strongly agreed, 50% of students are agreed, 15.22% of students are neutral, and 2.17% of students are disagreed with Course content which is interesting and as per Industry needs.
- It is found that 28.26 % of students are strongly agreed, 50% of students are agreed, 13.04% of students are neutral, and 8.69% of students are disagreed to apply, analyze, design and create products and solutions for real life engineering problems.

S. No.	Comments	Action Taken	Result
1	Need to more focus on programming using data structure, or split data structure in two parts so it will be beneficial for students to focus more and more.	To inculcate the habit of coding, mini skill project has already incorporated as a part of scheme.	Implemented
2	focus on development section, which is very useful for grab a job in service based companies	Mini skill project and proficiency in subjects enhance the students' power of thinking and coding.	Implemented
3	Try to add course regarding remove nervousness during interviews	Self-study & seminar gives a platform to the student where he can improve himself write communication.	Implemented
4	Small Projects based on domain should be given in every semester, so that students gain knowledge and develop interest	To inculcate the habit of coding, mini skill project has already incorporated as a part of scheme.	Implemented
5	Last 3 semester's subjects were totally from non-IT background. Try to teach latest technology instead, so that it will	According to the recent scenario, and request of so many students to teach at least	Proposed for discussion

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	be helpful for placements	2-3 subjects from other discipline so that they can be more versatile.	
6	More practical Labs than Theory classes	Try to add practicals where not included, and add more practicals where already included for practice.	Discussed
7	Constant updation of curriculum to be industry ready	Suggestions required from industry. Workshops will be conducted with them and will take meetings from alumni.	Implemented
8	focus more on AI and machine learning	This course has already added in higher semesters.	Implemented
9	Internship and coding please	As a part of curriculum, department offers internships to lower semester students and allow higher semester students to go for internships rather than project. Department placement cell also suggest them good company's for internships.	Implemented
10	Data science problem solving	This course has already added in higher semesters.	Implemented
11	Basic need of understanding of current technology management	Mini skill project and proficiency in subjects enhance the students' power of thinking and coding.	Implemented
12	More technology and companies must be invited for placements	T&P cell and department is trying to contact with many companies continuously.	In progress
13	Include more practical lectures than theoretical ones	Try to add practicals where not included, and add more practicals where already included for practice.	Discussed
14	It should include international courses too like Coursera and edx	Students are free for attend any international courses	Discussed

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PARAMETERS	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly disagree (1)
Course content is interesting and as per Industry needs	15	24	7	1	1
Are you able To apply, analyze, design and create products and solutions for real life Engineering problems	13	24	6	4	1
Do you feel that you are capable of learning new things in the constantly changing technological world?	7	27	10	3	1
Do you find yourself capable of making a good career	7	29	10	2	0
Do you feel that you are able to manage projects in an ethical manner and work efficiently as a member/leader of multidisciplinary teams.	11	26	9	2	0
Courses meet contemporary requirements	6	27	13	2	0
Reading material regarding curriculum is easily available	7	22	18	1	0
Syllabus enhances employability	6	27	13	2	0
Link of the Alumni feedback	https://docs.google.com/spreadsheets/d/1hj_25OhnOoq8xWH9qY6tfzFoGqNZ0btTWTVXMbH4by4/edit?usp=sharing				

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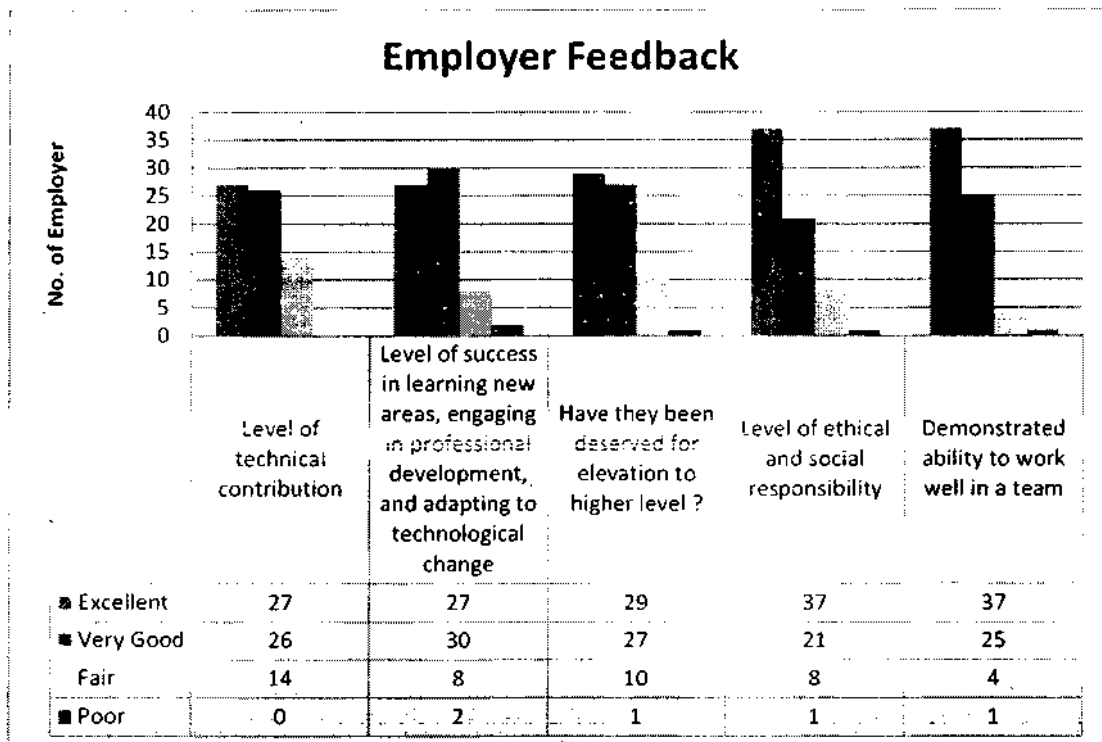
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EMPLOYER SATISFACTION SURVEY

Sample Size: 67

Parameter (MITS Student working under you or in your Organization)	Excellent	Very Good	Fair	Poor	Employer Satisfaction Index
Level of technical contribution	27	26	14	0	4.19
Level of success in learning new areas, engaging in professional development, and adapting to technological change	27	30	8	2	4.16
Have they been deserved for elevation to higher level?	29	27	10	1	4.22
Level of ethical and social responsibility	37	21	8	1	4.37
Demonstrated ability to work well in a team	37	25	4	1	4.43

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



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