

Department of Information Technology

Analysis Report of Feedback on Course Curriculum Collected from various Stakeholders

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Session wise analysis and impact report: July – December 2021

- Based on the feedback data received from total 127 students and 10 faculty members (Fifth & Seventh semester- IT, for the academic session July - December 2021 following points have been analyzed.
- It has been observed that, in fifth semester 23.42% of students are strongly agreed, 34.58% of students are agreed, 33.04% of students are neutral, 7.766% of students are disagreed and only 1.155% of students are strongly disagreed with the syllabus/ content that they have studied in the fifth semester.
- It has been noticed that, in fifth semester 26.11% of students are strongly agreed, 32.22% of students are agreed, 32.5625% of students are neutral, 8.6% of students are disagreed and only 0.475% of students are strongly disagreed with the syllabus/ content that they have studied in the seventh semester.
- One of the Students of fifth semester has suggested updating the syllabus of Software Engineering.
- Students have suggested to add Data Science in one of the semesters.
- It has been observed that, in this session 50% of faculty members are strongly agreed, 40% of faculty members are agreed, and 10% of faculty members are disagree with the syllabus/ content that they have taught in the first semester.

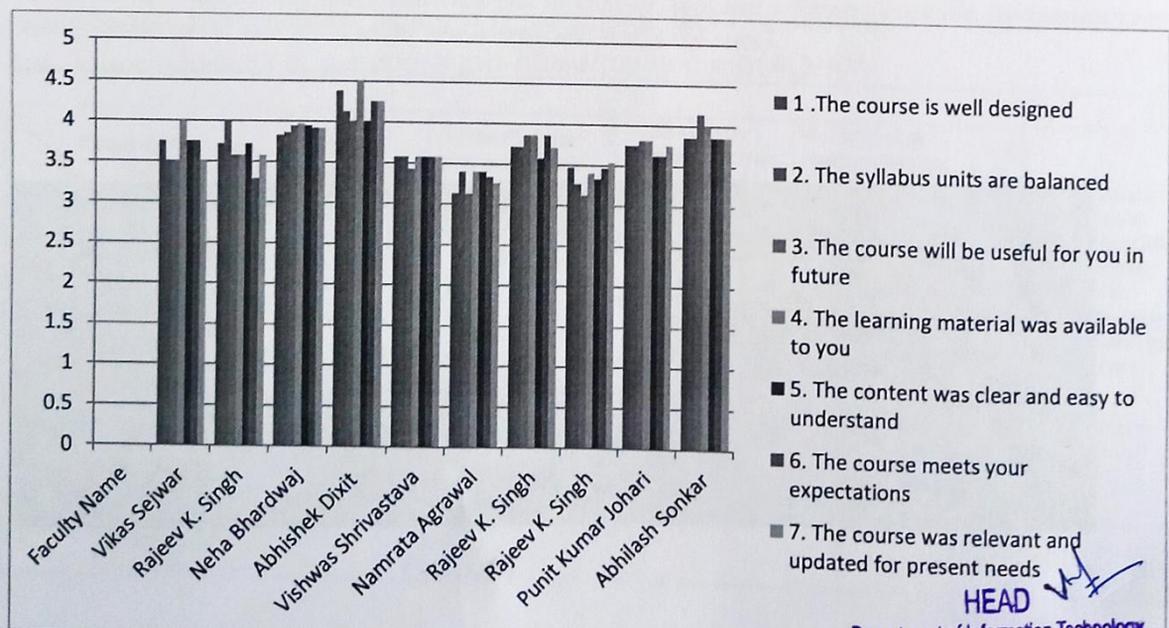
COURSE CURRICULUM FEEDBACK (by Students on MOODLE): Sample Size: 18 (Avg.)

Link of feedbacks	https://drive.google.com/drive/u/0/folders/19Cy8zC2a-QEPFs_SY_N6TdtL2VL1k_dr
Action Taken	After discussion with the subject faculty members, syllabus have been updated
	Data Science is one of the subject run from NPTEL and with this session it will run for all branches.

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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	
Subject Code	Subject Name	Sem								
160716	Mobile Computing (DE-3) (4)	7	Vikas Sejwar	3.75	3.5	3.5	4	3.75	3.75	3
900208	Soft Computing (OC-2) (6)	7	Rajeev K. Singh	3.714285	4	3.5714285	3.571428571	3.7142857	3.285714	3.57
900209	Network Security (OC-2) (35)	7	Neha Bhardwaj	3.828571	3.8571428	3.94285714	3.97142857	3.9428571	3.914285	3.91
900220	R Programming (OC-3) (8)	7	Abhishek Dixit	4.375	4.125	4	4.5	4	4.25	4.
900222	Computer Networks (OC-3) (7)	7	Vishwas Shrivastava	3.5714285	3.571428	3.428571429	3.571428571	3.571428571	3.571428	3.57
100008	Intellectual Property Rights (15)	7	Namrata Agrawal	3.133333333	3.4	3.133333333	3.4	3.4	3.3333333	3.26
100005	EEEM (14)	5	Rajeev K. Singh	3.714286	3.714286	3.857143	3.857143	3.571429	3.857143	3.71
160502	Software Engineering (15)	5	Rajeev K. Singh	3.47	3.27	3.13	3.4	3.33	3.46	3.
160504	Microprocessor & Interfacing (16)	5	Punit Kumar Johari	3.75	3.75	3.8125	3.8125	3.625	3.625	3.
160503	Theory of Computation (7)	5	Abhilash Sonkar	3.857	3.857	4.14	4	3.857	3.857	3.8

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



Subject Code	Subject Name	Semester	Faculty Name	Strongly Agree in %	Agree in %	Neutral in %	Disagree in %	Strongly disagree in %
160716	Mobile Computing (DE-3)	7	Vikas Sejwar	25	28.5	35.7	10.7	0
900208	Soft Computing (OC-2)	7	Rajeev K. Singh	6.12	67.34	14.28	8.16	4.08
900209	Network Security (OC-2)	7	Neha Bhardwaj	29.79	34.28	33.06	2.85	0
900220	R Programming (OC-3)	7	Abhishek Dixit	33.92	53.57	12.5	0	0
900222	Computer Networks (OC-3)	7	Vishwas Shrivastava	28.57	14.28	40.81	16.32	0
100008	Intellectual Property Rights	7	Namrata Agrawal	17.14	9.52	61.9	8.57	2.85
			Average in %	23.423333	34.581667	33.041667	7.766666	1.1
100005	EEEM	5	Rajeev K. Singh	21.47	33.67	43.88	1.02	0
160502	Software Engineering	5	Rajeev K. Singh	23.8	20.95	47.6	5.71	1.9
160504	Microprocessor & Interfacing	5	Punit Kumar Johari	28.57	29.46	28.57	13.39	0
160503	Theory of Computation	5	Abhilash Sonkar	30.6	44.8	10.2	14.28	0
			Average in %	26.11	32.22	32.5625	8.6	0.4

COURSE CURRICULUM FEEDBACK (by Faculty on MOODLE)

Action / taken (threshold value 3.5)

New programmes have been started from Dec 2020, so as per strength enough books are not available but it is already conveyed.

As per the scenario, people refer online materials. Our Institute has provided e-learning materials. Recommendation has sent to library to add new books as per new courses and strength of books.

Parameter(Average Grading)	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)
Subject name and faculty name					
1	900222 Computer Networks (OC-3) Vishwas Shrivastava	5	5	5	5
2	900208 Soft Computing (OC-2) Rajeev K. Singh	5	5	5	5

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	160503 Theory of Computation Abhilash Sonker	2	2	2	2	2
4	900209 Network Security (OC-2) Neha Bhardwaj	5	4	4	4	4
5	160716 Mobile Computing (DE-3) Vikas Sejwar	5	4	4	4	4
6	900220 R Programming (OC-3) Abhishek Dixit	4	5	5	4	5
7	160504 Microprocessor & Interfacing Punit Kumar Johari	5	5	5	5	5
8	160502 Software Engineering Rajeev K. Singh	5	5	4	4	4
9	160501 Discrete Structure Namrata Agrawal	5	5	4	5	4
10	100008 Intellectual Property Rights Namrata Agrawal	4	4	4	4	4

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

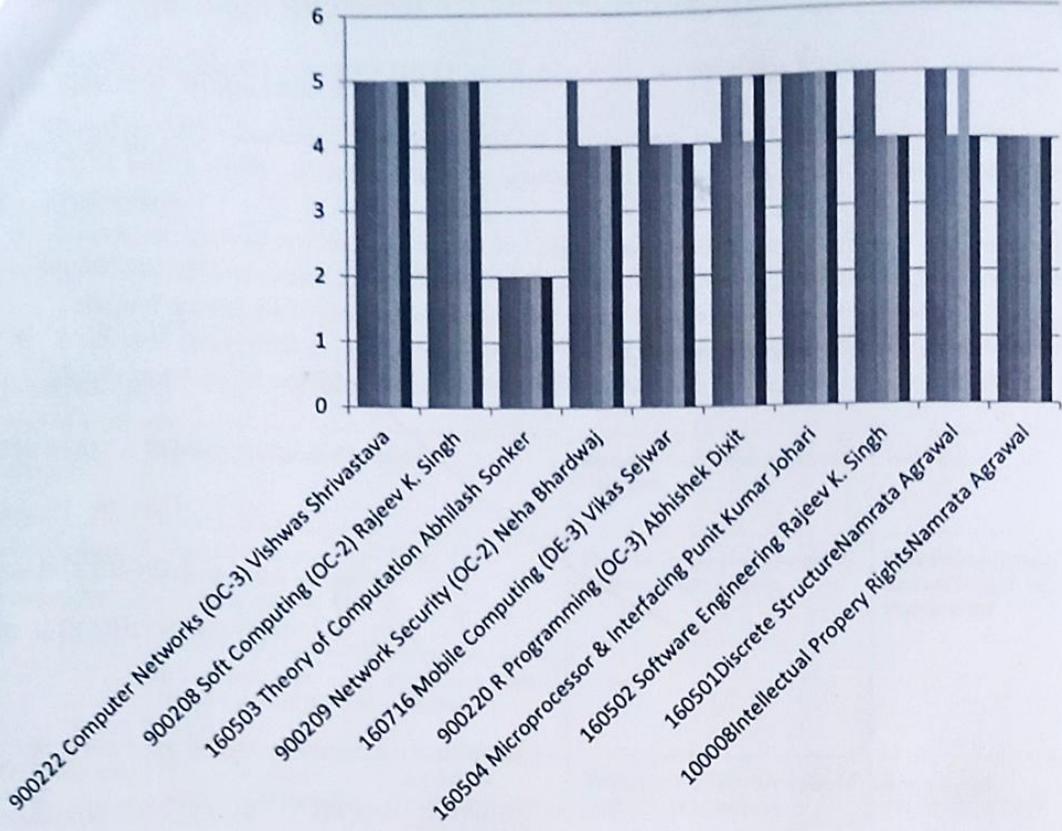
Q.No	Curriculum Evaluation Point	Strongly Agree	Agree	Neutral	disagree	Strongly disagree
1	1. The availability of books & E-learning material in the institute is good. (Please give your opinion)	70	20	0	10	0
2	2. The Courses and content are up to date. Please suggest if you feel any new course(s) need to be introduced to meet current needs & technological changes?	60	30	0	10	0
3	3. The course curriculum/syllabi are helpful in meeting the higher studies/placement requirements according to present global trends. (Please give suggestions if any)	40	50	0	10	0
4	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]	40	50	0	10	0
5	5. The curriculum is capable of inculcating life-long learning abilities in students. (Any suggestions, please give below)	40	50	0	10	0
	Average in %	50	40	0	10	0



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The time



- 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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Session wise analysis and impact report: September 2021 – January 2022

COURSE CURRICULUM FEEDBACK (by Students on MOODLE): Sample Size: 30 (Avg.)

- Based on the feedback data received from total 143 students and 11 faculty members (Second semester- IT, IT (AIR), IT (IoT)) for the academic session Sept. 2021 to Jan. 2022, following points have been analysed.
- It has been observed that, in 3rd semester 35.72% of students are strongly agreed, 40.03% of students are agreed, 22.39% of students are neutral, 1.86% of students are disagreed and only 0% of students are strongly disagreed with the syllabus/ content that they have studied in the 3rd semester.
- It has been observed that, in first semester 83.6% of faculty members are strongly agreed and 16.4% of faculty members are agreed with the syllabus/ content that they have taught in the 3rd semester.

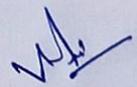
Sept. 2021 to Jan 2022 (3 rd Sem)	Student Feedback (Comments)		Response to student comments / Analysis	Remarks
(160311) computer System and Organization (IT)	Mention the course / contents which in your opinion is outdated & needs to be removed.	No	These topics are already a part of higher semester subjects.	Scheme has designed on the basis of branch and semester requirement
	Is any new course required to meet current needs?	Python and data analytics		
(230302) Design and Analysis of Algorithms (IOT)	Is any new course required to meet current needs?	blockchain technology should add as a subject	These topics are already a part of higher semester subjects.	Run through SWAYAM/NPTEL
(240303) DBMS (AIR)	Mention the course / contents which in your opinion is outdated & needs to be removed.	Machine Learning	These contents are already part of next semester	Subject name Machine Learning & optimization
Link	https://drive.google.com/drive/folders/1ZAGuLDpPRA8Qxy5Pt-dV0sOQtvza14Az?usp=sharing			
Action/ Taken(threshold value 3.5)	Along with technical subjects, a student must want some more trending subjects in their upcoming semester.			

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
160311	Computer System Organization	3.79	3.83	3.76	3.86	3.86	3.88	3.79
160312	Design & Analysis of Algorithms	4.21	4.10	4.31	4.17	4.26	4.38	4.33

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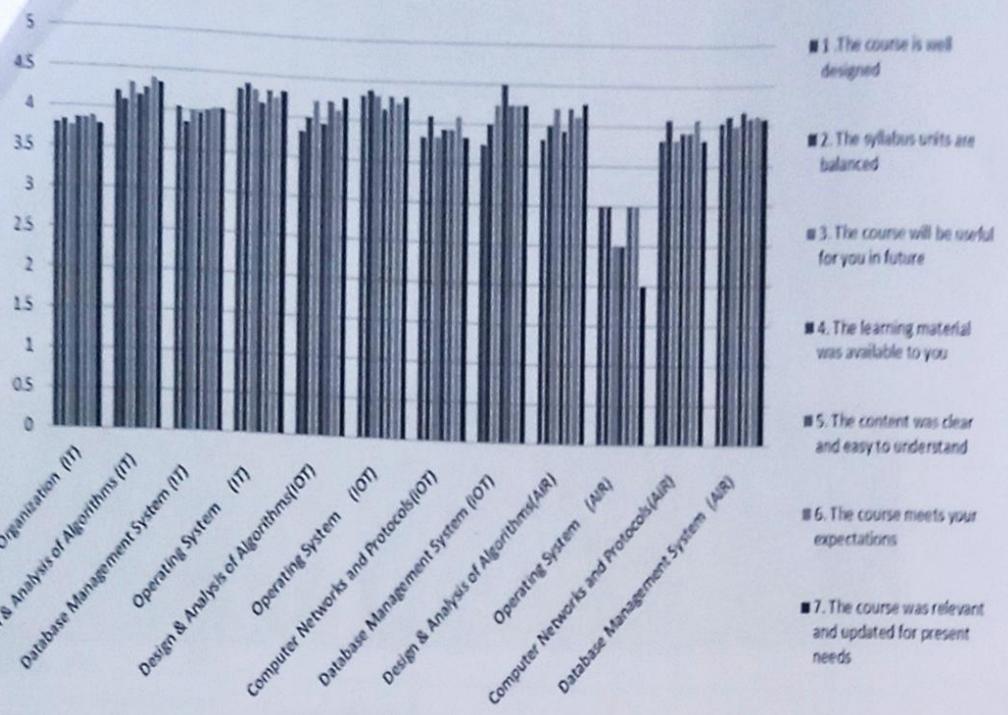
0313	Database Management System	4.05	3.85	4.00	3.98	4.02	4.05	4.05
160314	Operating System	4.31	4.38	4.31	4.15	4.31	4.23	4.31
230301	Design & Analysis of Algorithms	3.83	4.00	4.22	3.94	4.22	4.11	4.28
230302	Operating System	4.31	4.38	4.31	4.15	4.31	4.23	4.31
230303	Computer Networks and Protocols	3.83	4.08	3.83	3.92	3.92	4.08	3.83
230304	Database Management System	3.75	4.00	4.25	4.50	4.25	4.25	4.25
240301	Design & Analysis of Algorithms	3.83	4.00	4.22	3.94	4.22	4.11	4.28
240302	Operating System	3.00	3.00	2.50	2.50	3.00	3.00	2.00
240303	Computer Networks and Protocols	3.83	4.08	3.83	3.92	3.92	4.08	3.83
240304	Database Management System	4.05	4.13	4	4.18	4.1	4.13	4.08

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



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Print Case: "Nurturing"



Subject Code	Subject Name	Semester	Faculty Name	Strongly Agree in %	Agree in %	Neutral in %	Disagree in %	Strongly disagree in %
160311	Computer System Organization	3	Prof. Neha Bhardwaj	22.11	43.88	28.23	5.78	0.00
160312	Design & Analysis of Algorithms	3	Prof. Abhishek Dixit	41.16	44.22	13.27	1.36	0.00
160313	Database Management System	3	Prof. Punit Kumar Johari	29.30	44.79	22.52	3.39	0.00
160314	Operating System	3	Dr. Sanjiv Sharma	40.66	47.25	12.09	0.00	0.00
230301	Design & Analysis of Algorithms	3	Prof. Vishwas Shrivastava	38.10	32.54	29.37	0.00	0.00
230302	Operating System	3	Prof. Vikash Sejwar	40.66	47.25	12.09	0.00	0.00
230303	Computer Networks and Protocols	3	Prof. Abhilash Sonkar	29.76	38.1	27.38	4.76	0
230304	Database Management System	3	Dr. Saumil Maheshwari	39.19	32.23	27.47	1.1	0
240301	Design & Analysis of Algorithms	3	Prof. Vishwas Shrivastava	38.10	32.54	29.37	0.00	0.00

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2302	Operating System	3	Dr. Sanjiv Sharma	40.66	47.25	12.09	0.00	0.00
240303	Computer Networks and Protocols	3	Prof. Abhilash Sonkar	29.76	38.1	27.38	4.76	0
240304	Database Management System	3	Dr. Saumil Maheshwari	39.19	32.23	27.47	1.1	0
			Average	35.72	40.03	22.39	1.86	0

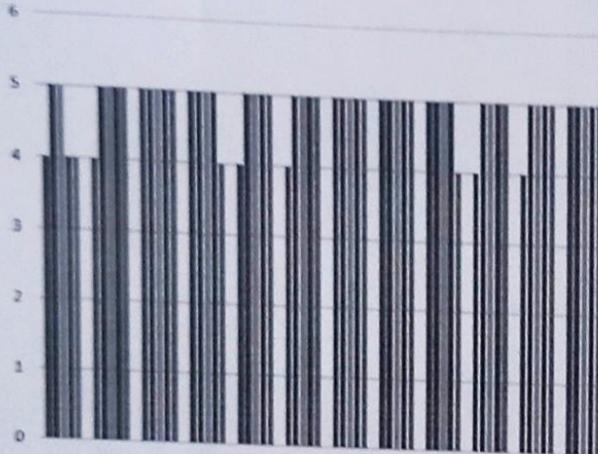
COURSE CURRICULUM FEEDBACK (by Faculty on MOODLE)

Action / taken (threshold value 3.5)

As per strength enough books are not available in library but it is already conveyed. As per the scenario, people refer onlin materials. Our Institute has provided e-learning materials.

Parameter(Average Grading)	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 capable o inculcatin life-long learning abilities i students. (Any suggestion please giv below)
160311 Computer System Organization Prof. Neha Bharadwaj	4	5	5	4	4
160312 Design & Analysis of Algorithms Prof. Abhishek Dixit	4	5	5	5	5
160313 Database Management System Prof. Punit Kumar Johari	5	5	5	5	5
160314 Operating System Dr. Sanjiv Sharma	5	5	5	5	4
230301 Design & Analysis of Algorithms Prof. Vishwas Shrivastava	4	5	5	5	5
230302 Operating System Prof. Vikash Sejwar	4	5	5	5	5
230303 Computer Networks and Protocols Prof. Abhilash Sonkar	5	5	5	5	5

Course Name / Faculty	5	5	5	5	5
240301 Design & Analysis of Algorithms Prof. Vishwas Shrivastava	5	5	5	5	4
240302 Operating System Dr. Sanjiv Sharma	4	5	5	5	5
240303 Computer Networks and Protocols Prof. Abhilash Sonkar	4	5	5	5	5
240304 Database Management System Dr. Saumil Maheshwari	5	5	5	5	5



■ 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?

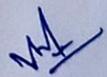
■ 3. The course curriculum/syllabi are helpful in meeting the higher studies/placement requirements according to present global trends. (Please give suggestions if any)

■ 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)

Curriculum Evaluation Point	Response in %				
	Strongly disagree	Disagree	Neutral	Agree	Strongly Agree
The availability of books & E-learning material in the institute is good	0	0	0	50	50
The Courses and content are up to date.	0	0	0	100	100

<p>2</p> <p>The course curriculum/syllabi are helpful in meeting the higher studies/placement requirements according to present global trends.</p>	0	0	0	0	100
<p>The course / contents in your domain/area are well designed and frequently updated, hence need no changes at present.</p>	0	0	0	8	92
<p>The curriculum is capable of inculcating life-long learning abilities in students.</p>	0	0	0	25	75
<p>Average</p>	0.00	0	0	16.6	83.4



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Session wise analysis and impact report: October 2021 to March 2022

- Based on the feedback data received from total 405 students and 06 faculty members (First semester- IT, IT (AIR), IT (IoT), IT (AIML), IT (AIDS) for the academic session October 2021 to March 2022, following points have been analysed.
- It has been observed that, in first semester 39.01% of students are strongly agreed, 33.24% of students are agreed, 20.80% of students are neutral, 4.94% of students are disagreed and only 2.01% of students are strongly disagreed with the syllabus/ content that they have studied in the first semester.
- Students have suggested to add soil management, Ecology, security in IoT, web development, Bootstrap, app development, Data science, CPP, Machine learning, Ethical Hacking and Python under new course, Minor specialization and departmental electives. (These subjects are already the part of curriculum in higher semesters).
- Some students has suggested to add Energy and its types, About soil management, Ecology in EEES, linear algebra in mathematics (These topics are already the part of syllabus).
- It has been observed that, in first semester 75.71% of faculty members are strongly agreed, 12.86% of faculty members are agreed, and 7.14% of faculty members are neutral with the syllabus/ content that they have taught in the first semester.

COURSE CURRICULUM FEEDBACK (by Students on MOODLE): Sample Size: 30 (Avg.)

Oct. to March 2022 (1 st sem)	Student Feedback (Comments)		Response to student comments / Analysis	Remarks
(100015) Energy Environment, Ecology & Society (AIML)	Mention the course / contents which in your opinion is outdated & needs to be removed.	Energy and its types.	These topics are required to meet the course objective of the subject	Suggested and discussed in BoS meeting
	Is any new course required to meet current needs?	About soil management, Ecology	As per request of students, subject related to web development and app development can be offered in DLC.	
	Honours	website making	Minor specialization subjects are offered by other departments.	
	Minor specialization	web development		
	Departmental electives	app development		
(230101) Introduction to Internet of Things (IOT)	Is any new course required to meet current needs?	security in IoT,	These topics are already a part of higher semester subjects.	
	Honours	Web development, CPP language	As per request of students, subject related to web development and app development can be offered in DLC.	
	Minor specialization	Web development,		
	Departmental electives	IT, Bootstrap		
	Open electives	Skill development, Real programs	CPP is in second semester in all programmes	
(270101) Introduction to AI and DS (AIDS)	Mention the course / contents which in your opinion is outdated & needs to be removed.	AI methodology, I guess this course needs to be more structured.	These topics are already a part of higher semester subjects. Only introductory part it is running in 1 st sem.	Run through NPTEL

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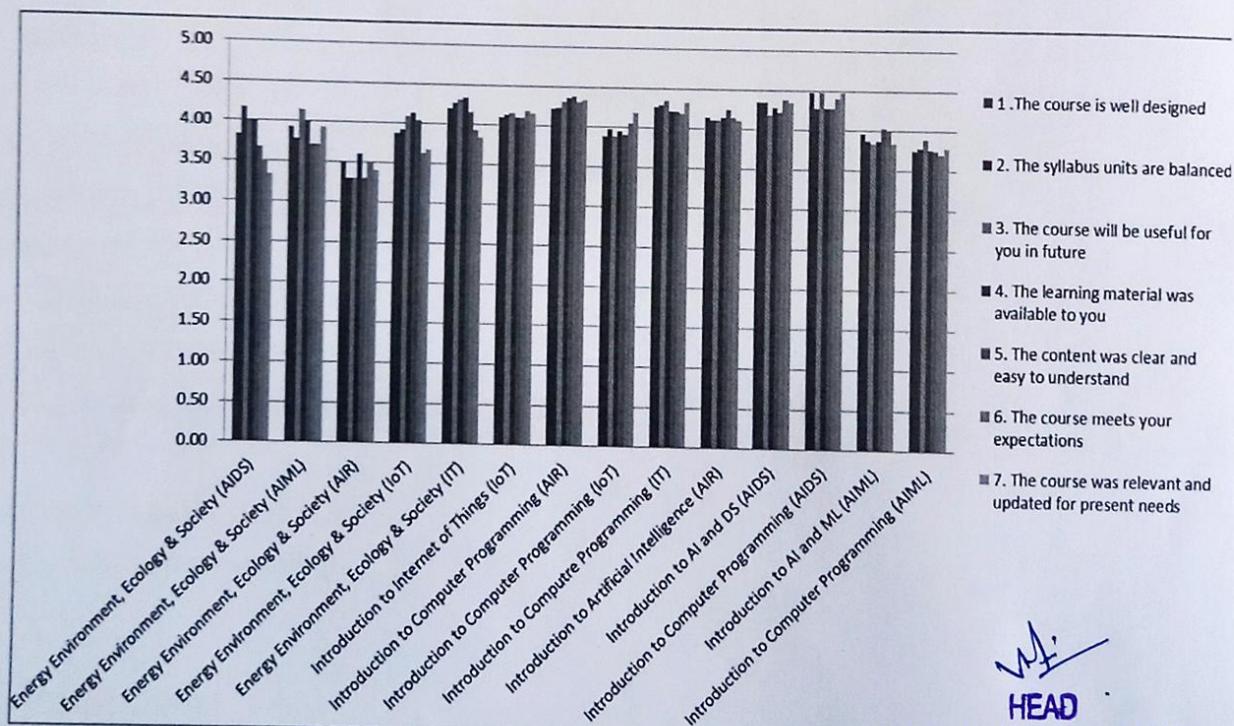
	Is any new course required to meet current needs?	Data science	This subject is already a part of higher semester.
(270102, 280102, 230102) Introduction to Computer Programming (AIDS, AIML, IoT)	Mention the course / contents which in your opinion is outdated & needs to be removed.	linear algebra	linear algebra is essential as mathematical foundation for AI based programmes
	Name course / contents which needs to be updated.	more practical problems	
	Is any new course required to meet current needs?	C++ must be included, I think we should start from Python language, About Ethical Hacking, Python, Training AI	The subjects (CPP, Python, Networking, and Ethical hacking) are already a part of curriculum and offered in higher semesters under Open category.
	Honours	Python Programming	
	Minor specialization	Mathematics, Economics	
	Departmental electives	Machine learning, Ethical Hacking, Economics	For practice, more programmes will be added.
	Open electives	Networking, Economics	
Link	https://drive.google.com/drive/folders/1tX3Ughu6bABhGfCpbTTk3fzlvlgHmPzV?usp=sharing		
Action/ Taken (threshold value 3.5)	<p>Along with technical subjects, a student must aware of the environment & society so EEES is the part of curriculum.</p> <p>After discussion with the subject faculty members, syllabus has updated</p> <p>After discussion with HOD and faculty members subject such as web and app development, Bootstrap will include in curriculum.</p>		

Parameter(Average Grading)		Subject Name and code						
		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 relevant and updated for pr needs
100015	Energy Environment, Ecology & Society (AIDS) (6)	3.83	4.17	4.00	4.00	3.67	3.50	3.33
100015	Energy Environment, Ecology & Society (AIML) (14)	3.93	3.79	4.14	4.00	3.71	3.71	3.93
100015	Energy Environment, Ecology & Society (AIR) (10)	3.50	3.30	3.30	3.60	3.30	3.50	3.40
100015	Energy Environment, Ecology & Society (IoT) (24)	3.88	3.92	4.08	4.13	4.04	3.63	3.67
100015	Energy Environment, Ecology & Society (IT) (45)	4.20	4.27	4.31	4.33	4.16	3.93	3.84
230101	Introduction to Internet of Things (IoT) (32)	4.09	4.13	4.16	4.09	4.09	4.19	4.16

quick sorted
 (11)

	Introduction to Computer Programming (AIR) (51)	4.22	4.24	4.31	4.35	4.37	4.31	4.33
230102	Introduction to Computer Programming (IoT) (42)	3.88	3.98	3.88	3.95	3.90	4.05	4.19
230102	Introduction to Computer Programming (IT) (49)	4.27	4.29	4.35	4.20	4.20	4.18	4.33
240101	Introduction to Artificial Intelligence (AIR) (29)	4.14	4.10	4.10	4.14	4.24	4.14	4.10
270101	Introduction to AI and DS (AIDS) (32)	4.34	4.34	4.19	4.28	4.22	4.38	4.34
270102	Introduction to Computer Programming (AIDS) (25)	4.48	4.28	4.48	4.28	4.28	4.40	4.48
280101	Introduction to AI and ML (AIML) (31)	3.97	3.87	3.84	3.87	4.03	4.00	3.84
280102	Introduction to Computer Programming (AIML) (47)	3.74	3.79	3.89	3.77	3.74	3.70	3.79

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



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W/015110/M

Subject Code	Subject Name	Semester	Faculty Name	Strongly Agree in %	Agree in %	Neutral in %	Disagree in %	Stro disa in %
100015	Energy Environment, Ecology & Society (AIDS)	1	Prof. Namrata Agrawal	28.57	35.71	26.19	4.76	4.76
100015	Energy Environment, Ecology & Society (AIML)	1	Dr. Vikram Rajpoot	26.53	40.82	28.57	3.06	1.02
100015	Energy Environment, Ecology & Society (AIR)	1	Dr. Vikram Rajpoot	18.57	21.43	42.86	17.14	0.00
100015	Energy Environment, Ecology & Society (IoT)	1	Prof. Namrata Agrawal	30.95	36.31	26.19	5.36	1.19
100015	Energy Environment, Ecology & Society (IT)	1	Dr. Vikram Rajpoot	44.44	31.43	20.00	2.86	1.27
230101	Introduction to Internet of Things (IoT)	1	Dr. Dhananjay Bisen	43.30	29.46	24.55	2.23	0.45
230102	Introduction to Computer Programming (AIR)	1	Dr. Vikram Rajpoot	53.22	28.85	13.45	4.20	0.28
230102	Introduction to Computer Programming (IoT)	1	Dr. Vikram Rajpoot	31.63	37.41	27.89	3.06	0.00
230102	Introduction to Computer Programming (IT)	1	Dr. Dhananjay Bisen	45.77	37.90	13.99	1.17	1.17
240101	Introduction to Artificial Intelligence (AIR)	1	Dr. Tej Singh	46.31	35.47	8.87	4.43	4.93
270101	Introduction to AI and DS (AIDS)	1	Dr. Pawan Dubey	51.34	29.91	16.07	2.68	0.00
270102	Introduction to Computer Programming (AIDS)	1	Dr. Dhananjay Bisen	56.57	26.86	14.86	1.71	0.00
280101	Introduction to AI and ML (AIML)	1	Dr. Tej Singh	40.09	35.48	9.22	6.45	8.76
280102	Introduction to Computer Programming (AIML)	1	Dr. Vikram Rajpoot	28.88	38.30	18.54	10.03	4.26
			Average	39.01	33.24	20.80	4.94	2.01

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COURSE CURRICULUM FEEDBACK (by Faculty on MOODLE)

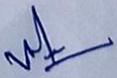
Action / taken (threshold value 3.5)

New programmes (AIML, AIR) have been started from Dec 2020, so as per strength enough books are not available in library but it is already conveyed. As per the scenario, people refer online materials. Our Institute has provided e-learning materials.

Introduction to Artificial Intelligence & Machine Learning and Introduction to Artificial Intelligence are the fundamental subject of AIML and AIR respectively, basic and core subjects knowledge are covered here. Gradually the level and new concepts of programming has incorporated in higher semesters and accordingly syllabus, course content will be updated.

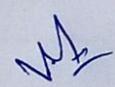
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Parameter (Average Grading)	1. The availability of books & E-learning material in the institute is good. (Please give your opinion)	2. The Courses and content are up to date. Please suggest if you feel any new course(s) need to be introduced to meet 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. (An suggestions, please give below)
Subject Name and faculty name					
280101 Introduction to Artificial Intelligence & Machine Learning, AI & ML, Dr. Tej Singh	2	3	3	3	4
100015 Energy Environment, Ecology & Society, AI & DS, Prof. Namrata Agrawal	5	5	5	5	5
100015 Energy Environment, Ecology & Society, AIR, Prof. Namrata Agrawal	5	5	5	5	5
270102 Introduction to Computer Programming, AI & DS, Dr. Dhananjay Bisen	5	5	5	5	4
230101 Introduction to Internet of Things, IoT, Dr. Dhananjay Bisen	4	5	5	5	4


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10102 Introduction to Computer Programming, AIR, Dr. Vikram Rajpoot	4	5	5	5	5
100015 Energy Environment, Ecology & Society, IoT, Prof. Namrata Agrawal	5	5	5	5	5
100015 Energy Environment, Ecology & Society, AI & ML, Prof. Namrata Agrawal	5	5	5	5	5
230102 Introduction to Computer Programming, IT, Dr. Dhananjay Bisen	5	5	5	5	4
240101 Introduction to Artificial Intelligence, AIR, Dr. Tej Singh	2	2	3	3	4
230102 Introduction to Computer Programming, IoT, Dr. Vikram Rajpoot	4	5	5	5	5
100015 Energy Environment, Ecology & Society, IT, Dr. Vikram Rajpoot	5	5	5	5	5
270101 Introduction to Artificial Intelligence & Data Science, AI & DS, Dr. Pawan Dudey	5	5	5	5	5
280102 Introduction to Computer Programming, AI & ML, Dr. Vikram Rajpoot	4	5	5	5	5



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Curriculum Evaluation Point	Response in %				
	Strongly disagree	Disagree	Neutral	Agree	Strongly Agree
The availability of books & E-learning material in the institute is good	0	14.29	0	28.57	57.14
The Courses and content are up to date.	0	7.14	7.14	0	85.71
The course curriculum/syllabi are helpful in meeting the higher studies/placement requirements according to present global trends.	0	0	14.29	0	85.71
The course / contents in your domain/area are well designed and frequently updated, hence need no changes at present.	0	0	14.29	0	85.71
The curriculum is capable of inculcating life-long learning abilities in students.	0	0	0	35.71	64.29
	0.00	4.29	7.14	12.86	75.71

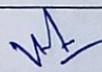

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Session wise analysis and impact report: January to April 2022

- Based on the feedback data received from total 305 students and 12 faculty members (fourth semester- IT, IT (AIR), IT (IoT), IT (MAC), IT (EE-IoT) for the academic session January to April 2022, following points have been analysed.
- It has been observed that, in fourth semester 41.09% of students are strongly agreed, 33.16% of students are agreed, 20.12% of students are neutral, 4.76% of students are disagreed and only 0.87% of students are strongly disagreed with the syllabus/ content that they have studied in semester.
- Students have suggested to add new courses such as IoT communication and connections, Database design, SQL, NoSql, Web Development, Design for internet of things, Practical of cloud computing under to meet current needs and Honours.
- Some students have suggested to add some topics such as agile model, Access Controls, Remote Access VPN, Zero Trust Network Access (ZTNA), Data Loss Prevention (DLP), Intrusion Prevention Systems (IPS), Hyperscale Network Security, Cloud Network Security under update course/contents. (Students cover these topics are higher semesters).
- It has been observed that, in fourth semester 42.22% of faculty members are strongly agreed, 37.78% of faculty members are agreed, and 15.55% of faculty members are neutral with the syllabus/ content that they have taught in the fourth semester.

COURSE CURRICULUM FEEDBACK (by Students on MOODLE): Sample Size: 23 (Avg.)

January to April 2022 (IV sem)	Student Feedback (Comments)		Response to student comments / Analysis	Remarks
(230402) Cloud Computing (IoT)	Name course / contents which needs to be updated.	Practical of cloud computing	That matter will put into departmental meeting (consisting of HOD and faculty members) and committee will check the importance of subject and decide. We will do the needful.	Suggestio
(230404) IoT Architectures and Protocols (IoT)	Is any new course required to meet current needs?	IoT communication and connections	This topic is the part of Introduction to IoT, has discussed in brief and in detail will be discussed higher semesters.	
(230403) Software Engineering (IoT)	Name course / contents which needs to be updated.	agile model in 1st unit	This matter was put into BoS meeting and the same will be updated in the subject.	
(230405) Network & Web Security (IoT)	Name course / contents which needs to be updated	Access Controls, Remote Access VPN, Zero Trust Network Access (ZTNA), Data Loss Prevention (DLP), Intrusion Prevention Systems (IPS), Hyperscale Network Security, Cloud Network Security	This matter was put into BoS meeting and the essential topics will be updated in the subject	Suggestio


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(220401) Database Management System (EE-IoT)	Mention the course / contents which in your opinion is out dated & needs to be removed.	-As of now mysql isn't much used in industry , oracle is used so instead of mysql , oracle should've been the in the syllabus -More labs are required	Students are free to use any technology (backend end/ database) while designing projects. Faculty members as mentors help them to learn. As per curriculum, mentioned labs are sufficient for that subject but if students need they can use labs to perform experiments related to DBMS in free slots. Faculty members as mentors help them to learn.
	Name course / contents which needs to be updated	Database design Sql should be taught more	The subject is already a part of syllabus.
	Is any new course required to meet current needs?	NoSql Web Development	Mini skill project associated with practical subjects enhance think & design capability. Student can use NoSql as backend technology in web development
	Honours	Design for internet of things	The subject is already a part of syllabus and offered in higher semesters through NPTEL.
Link	https://drive.google.com/drive/folders/1s7wlKfGzVFE_Z2mQoIn1PKJ2yavUPw5D?usp=sharing		
Action/ Taken (threshold value 3.5)	MYSQL is open source software required to implement concept of DBMS. Most of the IT companies are working on that technology so it is important for students as well as many applications of higher learning require this technology as prerequisite.		

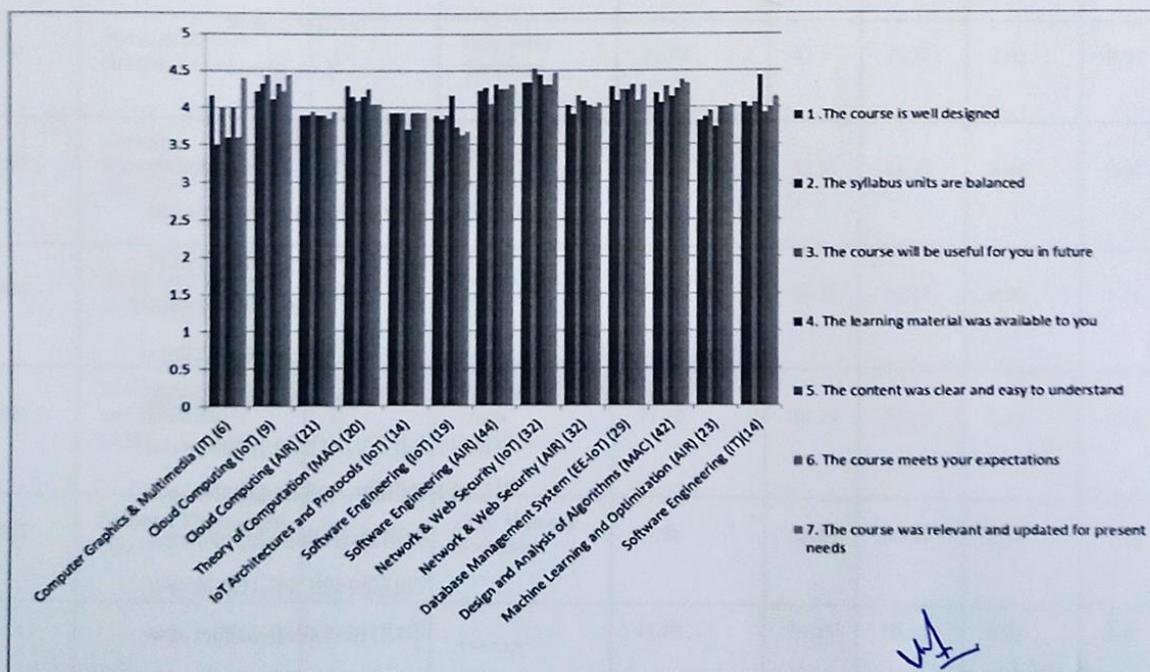
Subject Name and code		Parameter (Average Grading)						
		1. The course is well designed	2. The syllabus units are balanced	3. The course will be useful for you in future	4. The learning material was available to you	5. The content was clear and easy to understand	6. The course meets your expectations	7. The course relevant and update present needs
160411	Computer Graphics & Multimedia (IT) (6)	4.16	3.5	4	3.6	4	3.6	4.4
230402	Cloud Computing (IoT) (9)	4.22	4.33	4.44	4.11	4.33	4.22	4.44
240402	Cloud Computing (AIR) (21)	3.90	3.90	3.95	3.90	3.90	3.85	3.95
250403	Theory of Computation (MAC) (20)	4.30	4.15	4.10	4.15	4.25	4.05	4.05
230404	IoT Architectures and Protocols (IoT) (14)	3.93	3.93	3.93	3.71	3.93	3.93	3.93

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03	Software Engineering (IoT) (19)	3.89	3.84	3.89	4.16	3.74	3.63	3.68
240403	Software Engineering (AIR) (44)	4.23	4.27	4.05	4.32	4.25	4.25	4.32
230405	Network & Web Security (IoT) (32)	4.34	4.34	4.53	4.44	4.31	4.31	4.47
240405	Network & Web Security (AIR) (32)	4.03	3.91	4.16	4.09	4.03	4.00	4.06
220401	Database Management System (EE-IoT) (29)	4.28	4.10	4.24	4.24	4.31	4.10	4.31
250404	Design and Analysis of Algorithms (MAC) (42)	4.19	4.07	4.29	4.14	4.26	4.38	4.33
240404	Machine Learning and Optimization (AIR) (23)	3.83	3.87	3.96	3.74	4.00	4.00	4.04
160412	Software Engineering (IT)(14)	4.07	4.00	4.07	4.43	3.93	4.00	4.14

Course Satisfaction Index (CSI) (on a scale of 5) (5: Excellent, 4: Very Good, 3: Good, 2: Satisfactory, 1: Poor)



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Subject Code	Subject Name	Semester	Faculty Name	Strongly Agree in %	Agree in %	Neutral in %	Disagree in %	Strongly disagree %
160411	Computer Graphics & Multimedia (IT)	IV	Prof. Vikas Sejwar	38.10	26.19	23.81	11.90	0.00
230402	Cloud Computing (IoT)	IV	Prof. Vikas Sejwar	53.97	28.57	11.11	6.35	0.00
240402	Cloud Computing (AIR)	IV	Prof. Vikas Sejwar	28.57	36.73	31.97	2.72	0.00
250403	Theory of Computation (MAC)	IV	Prof. Abhilash Sonker	40.71	35.71	21.43	2.14	0.00
230404	IoT Architectures and Protocols (IoT)	IV	Prof. Abhilash Sonker	31.63	38.78	19.39	8.16	2.04
230403	Software Engineering (IoT)	IV	Prof. Rajeev Kumar Singh	36.84	25.56	27.07	5.26	5.26
240403	Software Engineering (AIR)	IV	Prof. Rajeev Kumar Singh	52.60	24.35	18.51	3.57	0.97
230405	Network & Web Security (IoT)	IV	Prof. Neha Bhardwaj	56.70	28.57	12.05	2.68	0.00
240405	Network & Web Security (AIR)	IV	Prof. Neha Bhardwaj	31.70	43.30	22.32	2.68	0.00
220401	Database Management System (EE-IoT)	IV	Dr. Saumil Maheshwari	46.31	32.51	18.72	2.46	0.00
250404	Design and Analysis of Algorithms (MAC)	IV	Prof. Abhishek Dixit	41.16	44.22	13.27	0.00	1.36
240404	Machine Learning and Optimization (AIR)	IV	Dr. Bhagat Singh Raghuvansi	27.95	44.10	20.50	6.83	0.62
160412	Software Engineering (IT)	IV	Prof. Vishwas Srivastava	47.96	22.45	21.43	7.14	1.02
			Average	41.09	33.16	20.12	4.76	0.87

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COURSE CURRICULUM FEEDBACK (by Faculty on MOODLE)

Action / taken (threshold value 3.5)

New programmes (IoT, AIR, MAC, EE-IoT) have been started recently, so as per strength enough books are not available in library but it is already conveyed. As per the scenario, people refer online materials. Our Institute has provided e-learning materials.

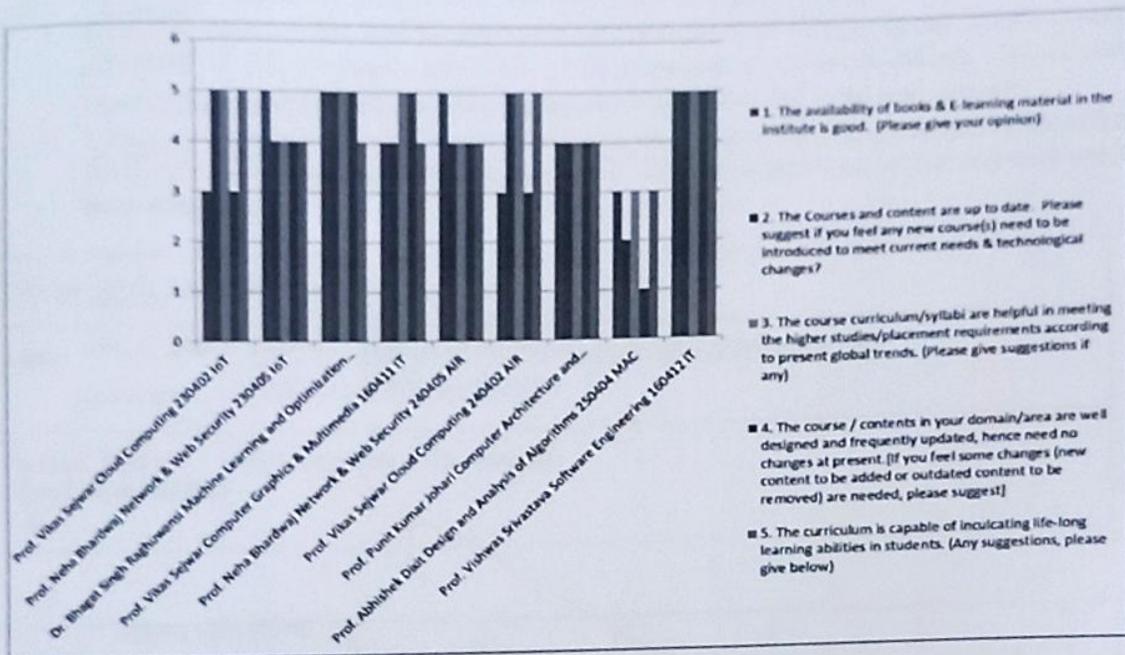
Syllabus is updated as per the requirement of current scenario.

Link: <https://drive.google.com/drive/folders/1INzmESjL-j6mFjGJVrRQnPiH4MCxqc5P?usp=sharing>

Parameter (Average Grading)	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 capable of inculcating long learning abilities in students. (/ suggestions please give below)
Subject name and faculty name					
Prof. Vikas Sejwar Cloud Computing 230402 IoT	3	5	5	3	5
Prof. Neha Bhardwaj Network & Web Security 230405 IoT	5	4	4	4	4
Dr. Bhagat Singh Raghuwansi Machine Learning and Optimization 240404 AIR	5	5	5	5	4
Prof. Vikas Sejwar Computer Graphics & Multimedia 160411 IT	4	4	5	5	4
Prof. Neha Bhardwaj Network & Web Security 240405 AIR	5	4	4	4	4
Prof. Vikas Sejwar Cloud Computing 240402 AIR	3	5	5	3	5
Prof. Punit Kumar Johari Computer Architecture and Microprocessor 230401 IoT	4	4	4	4	4


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Abhishek Dixit Design Analysis of Algorithms MAC	3	2	3	3	3
Vishwas Srivastava Software Engineering 160412 IT	5	5	5	5	5



Curriculum Evaluation Point	Response in %				
	Strongly disagree	Disagree	Neutral	Agree	Strongly Agree
The availability of books & E-learning material in the institute is good	0	0	33.33	22.22	44.44
The Courses and content are up to date.	0	11.11	0	44.44	44.44
The course curriculum/syllabi are helpful in meeting the higher studies/placement requirements according to present global trends.	0	0	11.11	33.33	55.56
The course / contents in your domain/area are well designed and frequently updated, hence need no changes at present.	0	11.11	22.22	33.33	33.33
The curriculum is capable of inculcating life-long learning abilities in students.	0	0	11.11	55.56	33.33
	0.00	4.44	15.55	37.78	42.22

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Session wise analysis and impact report: January -April 2022

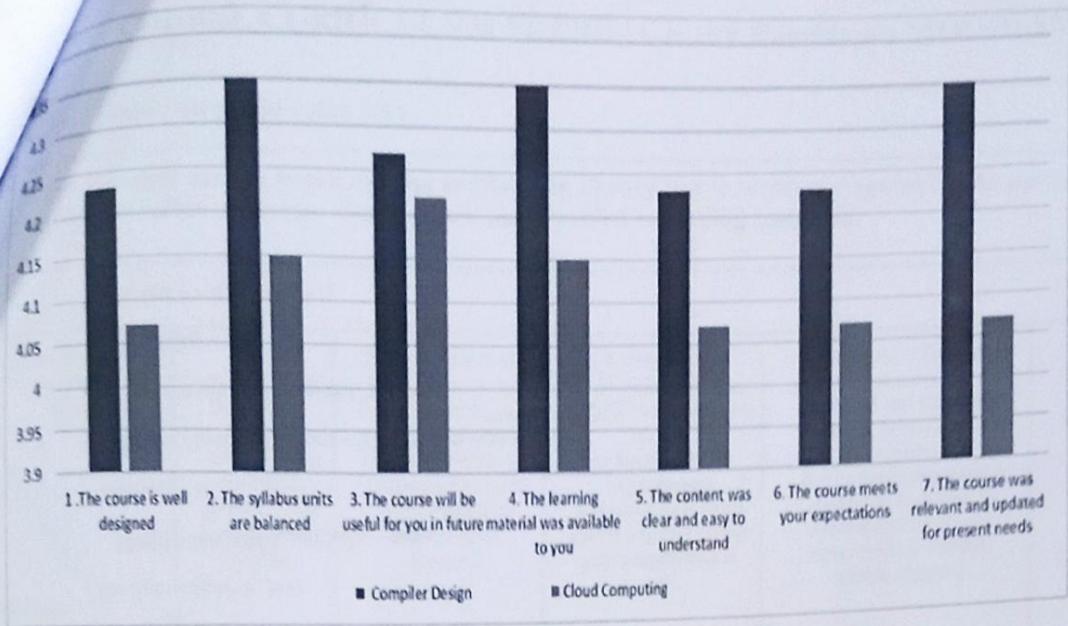
COURSE CURRICULUM FEEDBACK (by Students on MOODLE): Sample Size: 30 (Avg.)

- Based on the feedback data received from total 56 students and 11 faculty members (sixth sem.- IT) for the academic session Jan. to April 2022, following points have been analysed.
- It has been observed that, in sixth semester 51.18% of students are strongly agreed, 24.33% of students are agreed, 18.54% of students are neutral, 3.54% of students are disagreed and only 2.2% of students are strongly disagreed with the syllabus/ content that they have studied in the sixth semester.
- It has been observed that, in first semester 60% of faculty members are strongly agreed, 32.4% of faculty members are agreed and 7.6% of faculty are neutral with the syllabus/ content that they have taught in the sixth semester.

Jan to April 2022 (VI sem)	
Link	https://drive.google.com/drive/folders/1ZAGuLDpPRA8Qxy5Pt-dV0sOQtvza14Az?usp=sharing
Action/ Taken (threshold value 3.5)	No comments have received.

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 is relevant and updated present needs
Subject Name and code								
160601	Compiler Design	4.23	4.35	4.27	4.35	4.23	4.23	4.35
160614	Cloud Computing	4.07	4.15	4.22	4.15	4.07	4.07	4.07

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



Subject Code	Subject Name	Semester	Faculty Name	Strongly Agree in %	Agree in %	Neutral in %	Disagree in %	Strongly disagree in %
160601	Compiler Design	6	Prof. Abhishek Dixit	59.89	18.68	15.93	1.10	4.40
160614	Cloud Computing	6	Prof. Neha Bharadwaj	45.50	26.98	21.16	6.35	0.00
			Average	51.18	24.33	18.54	3.75	2.2

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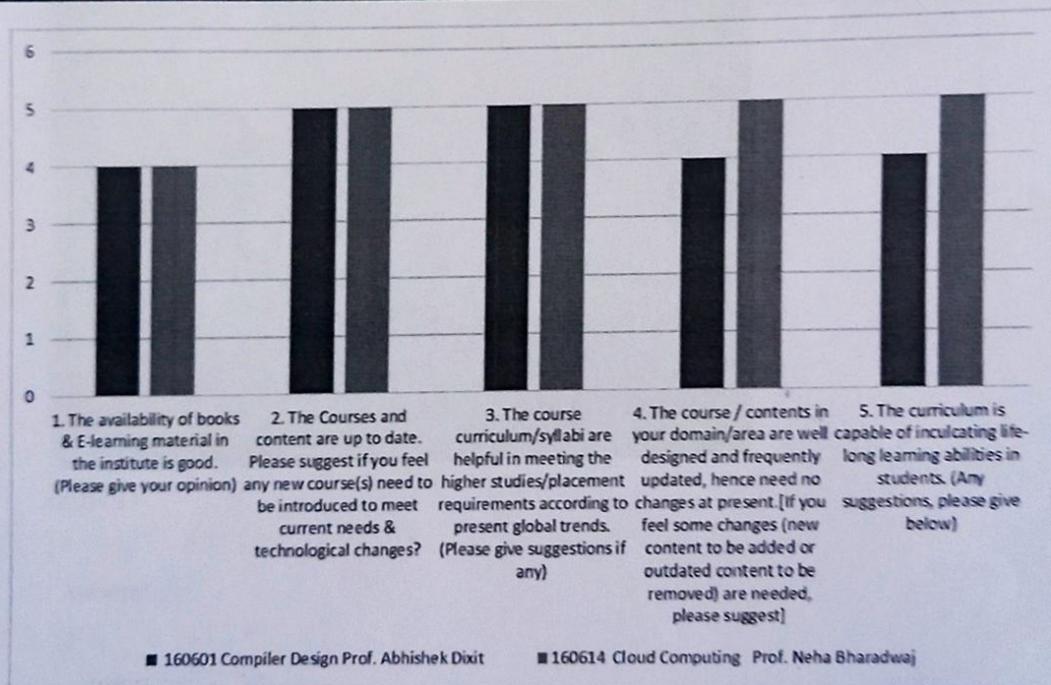
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 Gwalior-474005(M.P.)

COURSE CURRICULUM FEEDBACK (by Faculty on MOODLE)

Action / taken (threshold value 3.5)

As per strength enough books are not available in library but it is already conveyed. As per the scenario people refer online materials. Our Institute has provided e-learning materials.

Parameters (Average Grading)	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)
Subject Name and Faculty name					
160601 Compiler Design Prof. Abhishek Dixit	4	5	5	4	4
160614 Cloud Computing Prof. Neha Bharadwaj	4	5	5	5	5



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Curriculum Evaluation Point	Response in %				
	Strongly disagree	Disagree	Neutral	Agree	Strongly Agree
The availability of books & E-learning material in the institute is good	0	0	10	40	50
The Courses and content are up to date.	0	0	0	44	56
The course curriculum/syllabi are helpful in meeting the higher studies/placement requirements according to present global trends.	0	0	16	30	54
The course / contents in your domain/area are well designed and frequently updated, hence need no changes at present.	0	0	0	10	90
The curriculum is capable of inculcating life-long learning abilities in students.	0	0	12	38	50
	0.00	0	7.6	32.4	60



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Department of Information Technology
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Department of Information Technology**Alumni Feedback****Analysis and Impact report: (Batch 2017-2021)**

Based on the feedback data received from total 46 Alumni of above mentioned batch following points have been analysed:

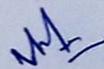
- It has been analyzed that 32.61% of students are strongly agreed, 50% of students are agreed, 15.2% of students are neutral, and 2.17% of students are disagreed with Course content which is interesting and as per Industry needs.
- It is found that 28.26 % of students are strongly agreed, 50% of students are agreed, 13.04% of students are neutral, and 8.69% of students are disagreed to apply, analyze, design and create products 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 be helpful for placements	According to the recent scenario, and request of so many students to teach at least 2-3 subjects from other discipline so that they can be more versatile.	Proposed for discuss


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	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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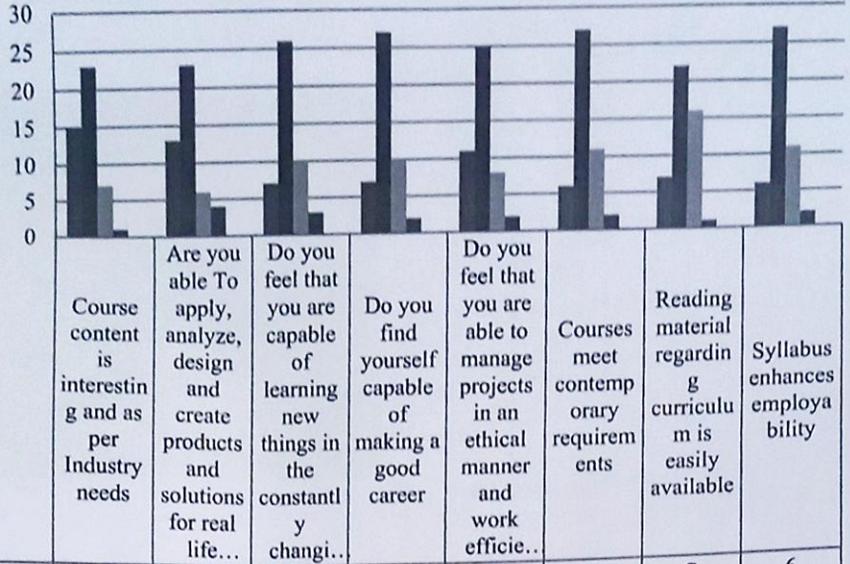
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PARAMETERS	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly disagree (1)
Course content is interesting and as per Industry needs	15	23	7	1	0
Are you able To apply, analyze, design and create products and solutions for real life Engineering problems	13	23	6	4	0
Do you feel that you are capable of learning new things in the constantly changing technological world?	7	26	10	3	0
Do you find yourself capable of making a good career	7	27	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	25	8	2	0
Courses meet contemporary requirements	6	27	11	2	0
Reading material regarding curriculum is easily available	7	22	16	1	0
Syllabus enhances employability	6	27	11	2	0
Link of the Alumni feedback	https://docs.google.com/spreadsheets/d/1hj_25OhnOoq8xWH9qY6tfzGqNZ0btTWTVMbH4by4/edit?usp=sharing				


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No. of Alumni



■ Strongly Agree (5)	15	13	7	7	11	6	7	6
■ Agree (4)	23	23	26	27	25	27	22	27
■ Neutral (3)	7	6	10	10	8	11	16	11
■ Disagree (2)	1	4	3	2	2	2	1	2
■ Strongly disagree (1)	0	0	0	0	0	0	0	0

[Handwritten Signature]

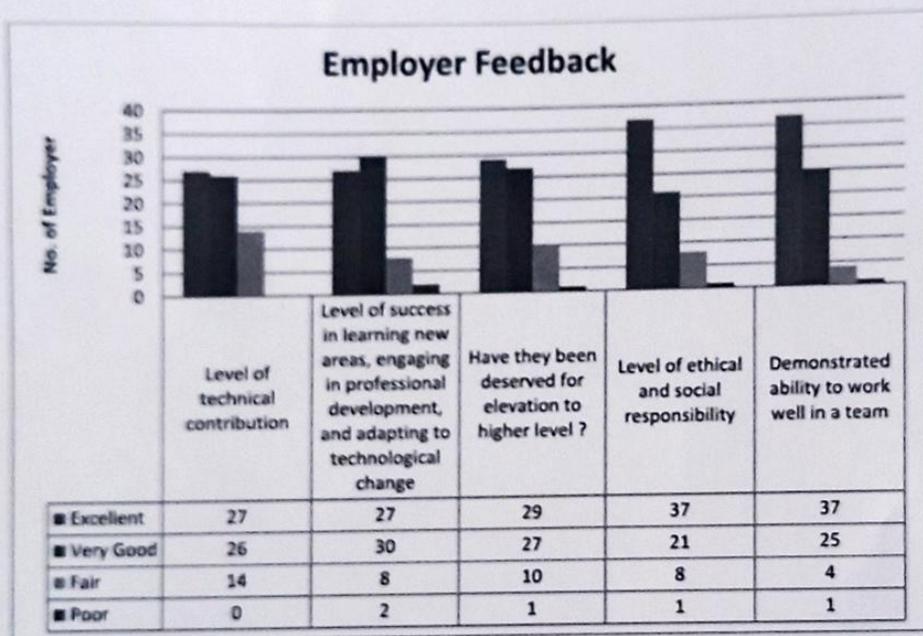
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EMPLOYER SATISFACTION SURVEY (2018-2021): Sample Size : 67

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)



Link of Employer Feedback

<https://docs.google.com/spreadsheets/d/10Jj8MtXBQSDv8H2bmHfxVIOvQM3qTL3q/edit?usp=sharing&ouid=109055627337813693303&rtpof=true&sd=true>


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