



Bansilal Ramnath Agarwal Charitable Trust's

Vishwakarma Institute of Technology

(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

666, Upper Indiranagar, Bibwewadi, Pune 411 037

Department of Information Technology

Feedback System for Curriculum Development for AY - 2018-19

1. Stakeholder's Feedback collection,
2. Feedback Analysis,
3. Action Taken Report
4. Communicated to BoS
5. Hosted on Institutional Website



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Stakeholders Feedback Collection for AY 2018-19

1. Stakeholder feedback collected: Sample Teachers feedback
2. Stakeholder feedback collected: Sample Employers feedback
3. Stakeholder feedback collected: Sample Alumni feedback
4. Stakeholder feedback collected: Sample Students feedback
5. Stakeholder feedback collected: Sample Parents feedback



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Stakeholder's Feedback collected: Sample Teachers Feedback

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Vishwakarma Institute of Technology, Pune 37
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✓
Faculty/ Parents/ Employers/ Alumni/ Students Feedback on

Curriculum and Structure Design / Review

Department:

Information Technology

AY: 2018-19

Kindly rate on the scale of 1 to 10. Consider 10 excellent and 1 poor.

Q. No	Question	Rating On 1-10 scale	Remarks
1	Bridge the gap between industry requirements and academia.	9	
2	Potential for Employability.	9	
3	Curriculum covers the latest state of art topics.	9	
4	Reference material and books available.	9	
5	Blended learning and futuristic pedagogy.	9	
6	Evaluation methods for providing proper assessment.	9	
7	Hands-on component in the Curriculum is satisfactory.	8	
8	Covers of socially relevant issues.	8	
9	Curriculum gives inputs to students for business acumen and ethical practices.	8	
10	Knowledge gain through experiential learning	8	

Comments (If Any):

Name:

Pradhar

Organization:

Ranjana S. Jadhav

Sign:



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Stakeholder's Feedback collected: Sample Employers Feedback

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✓
Faculty/ Parents/ Employer/ Alumni/ Students Feedback on
Curriculum and Structure Design / Review

Department: IT

AY: 2018-19

Kindly rate on the scale of 1 to 10. Consider 10 excellent and 1 poor.

Q. No	Question	Rating On 1-10 scale	Remarks
1	Bridge the gap between industry requirements and academia.	9	
2	Potential for Employability.	10	
3	Curriculum covers the latest state of art topics.	9	
4	Reference material and books available.	10	
5	Blended learning and futuristic pedagogy.	8	
6	Evaluation methods for providing proper assessment.	9	
7	Hands-on component in the Curriculum is satisfactory.	8	
8	Covers of socially relevant issues.	9	
9	Curriculum gives inputs to students for business acumen and ethical practices.	9	
10	Knowledge gain through project-based learning / project centric learning.	9	

Comments (If Any): _____

Name: Amol Kulkarni
Organization: Oracle India
Sign: Amol
Date: 19/12/2018

(Note: Feedback is to be taken at the end of every Academic Year from all stake holders)



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Stakeholder's Feedback collected: Sample Alumni Feedback

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Faculty/Parents/Employer/Alumni/Students Feedback on
Curriculum and Structure Design / Review

Department: *Information Technology* AY: *2018-19*

Kindly rate on the scale of 1 to 10. Consider 10 excellent and 1 poor.

Q. No.	Question	Rating On 1-10 scale	Remarks
1	Bridge the gap between industry requirements and academia.	10	
2	Potential for employability.	10	
3	Curriculum covers the latest state of art topics.	10	
4	Reference material and books available.	10	
5	Blended learning and futuristic pedagogy.	10	
6	Evaluation methods for providing proper assessment.	10	
7	Hands-on component in the Curriculum is satisfactory.	10	
8	Covers of socially relevant issues.	10	
9	Curriculum gives inputs to students for business acumen and ethical practices.	10	
10	Knowledge gain through experiential learning	10	

Comments (If Any):

Name: *SACHIN KHUTAN*

Organization: *HEXWARE TECHNOLOGY*

Sign: *[Signature]*



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Stakeholder's Feedback collected: Sample Students Feedback

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Faculty/ Parents/ Employer/ Alumni/ Students Feedback on
Curriculum and Structure Design / Review

Department: IT

AY: 2018-19

Kindly rate on the scale of 1 to 10. Consider 10 excellent and 1 poor.

Q. No	Question	Rating On 1-10 scale	Remarks
1	Bridge the gap between industry requirements and academia.	10	
2	Potential for Employability.	9	
3	Curriculum covers the latest state of art topics.	9	
4	Reference material and books available.	9	
5	Blended learning and futuristic pedagogy.	9	
6	Evaluation methods for providing proper assessment.	8	
7	Hands-on component in the Curriculum is satisfactory.	9	
8	Covers of socially relevant issues.	8	
9	Curriculum gives inputs to students for business acumen and ethical practices.	9	
10	Knowledge gain through project-based learning / project centric learning.	9	

Comments (If Any): _____

Name: Ramreddhi Patil

Organization:

Sign: [Signature]

Date: 16th Aug. 2018

(Note: Feedback is to be taken at the end of every Academic Year from all stake holders)



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Stakeholder's Feedback collected: Sample Parents Feedback

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✓
Faculty/ Parents/ Employer/ Alumni/ Students Feedback on
Curriculum and Structure Design / Review

Department:

IT

AY: 2018-19

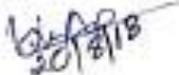
Kindly rate on the scale of 1 to 10. Consider 10 excellent and 1 poor.

Q. No	Question	Rating On 1-10 scale	Remarks
1	Bridge the gap between industry requirements and academia.	10	
2	Potential for Employability.	9	
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9	Curriculum gives inputs to students for business acumen and ethical practices.	9	
10	Knowledge gain through project-based learning / project centric learning.	10	

Comments (If Any): _____

Name: Aabasaheb Parmet Undhe

Organization: Barmer

Sign: 

Date:

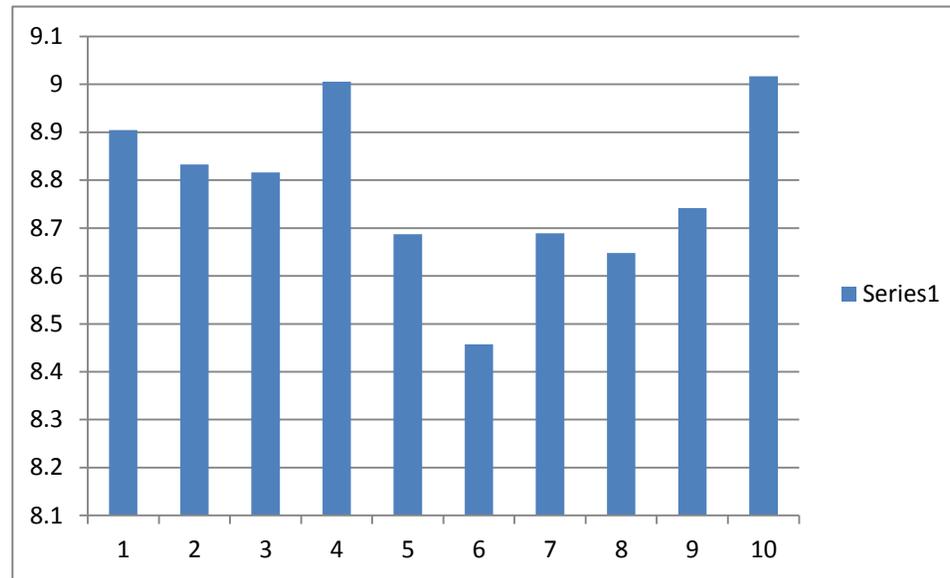
(Note: Feedback is to be taken at the end of every Academic Year from all stake holders)

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Stakeholder's feedback collection for A. Y. 2018-19 and Feedback Analysis

			Q. No.	1	2	3	4	5	6	7	8	9	10	
2018-19	Students	36	Average score	8.805556	8.361111	8.694444	8.583333	8.861111	8.444444	8.361111	8.444444	8.805556	8.638889	
	Teachers	11		9.545455	9.545455	9.090909	9.545455	8.909091	8.363636	8.818182	9.545455	8.636364	9.090909	9.090909
	Employers	11		9	8.909091	9.090909	8.909091	8.545455	8.090909	8.545455	8.545455	9.090909	8.909091	8.909091
	Alumni	7		7.545455	8.909091	8.454545	8.363636	8.181818	8.636364	8.909091	8.454545	8.363636	8.818182	8.818182
	Parent	16		9.625	8.4375	8.75	9.625	8.9375	8.75	8.8125	8.25	8.8125	9.625	9.625
	Total	81		8.904293	8.832449	8.816162	9.005303	8.686995	8.457071	8.689268	8.64798	8.741793	9.016414	9.016414





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Descriptive Feedback Analysis:

1. **Parents:** Based on analysis of feedback given by parents it is observed that:
 - a. Difficulty level in the content of the course need to be focused
 - b. Demanded to focus on personality development related courses
 - c. Suggested to motivate students for self-study

2. **Students:** Based on analysis of feedback given by students it is observed that:
 - a. Need to emphasis more on practical
 - b. Demand to focus on basic concepts of the course.

3. **Teachers:** Based on analysis of feedback given by faculties it is observed that:
 - a. Should include courses relevant social , ethics
 - b. Project emphasis is less
 - c. Self-study is less

4. **Industry:** Based on analysis of feedback in IAB meeting it is observed that:
 - a. Students communication is poor
 - b. Need to upgrade the curriculum based on industry demand
 - c. Try to involve industry person in course conduction

5. **Alumni:** Based on analysis of feedback given by Alumni it is observed that:
 - a. No Sufficient time for major project
 - b. As such no courses included which will provide business acumen

Over all Analysis: Over all it is observed that it is necessary to frame the curriculum in such a way that it will more focus on a complete growth of students in terms of communication, basic technical knowledge and also build every students in terms of business acumen.



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Action taken report for AY 2019-20

The average scores for the all questions are found to be above 8.8 on the scale of 10.

- Advancement in programming subjects such as Advanced Data Structure, object oriented programming etc is updated in second year Btech and in third year Btech onwards emphasis on core electives and special electives courses. Courses on emerging areas are offered for MCA students such as IOT, Cloud computing, etc
- Engineering Design and Innovation course for IT and Design and Development courses for MCA was the new course offered under Project Centric Learning. Students at every semester will work on projects based on various domains such as Agriculture, Health care, Renewable Energy, Green Earth, Smart City, Weaker Sections (e.g. handicapped), Swatch Bharat, Water, Security, Waste Management relevant to social service where IT can help in improving the work.
- To improve the communication skills more focus is given on Project based learning course where every course has its course project assessment component, PPT/GD assessment component, through which students enhance their soft skills
- Industry sponsor course are offered based on feedback received from Employers, “Financial Technology” and “Convergence Technology” offered by John Deer and Avaya respectively.



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Communication to the BoS-Information Technology

The Agenda of BOS meeting Dated

25th July 2019

1. To read and confirm the minutes of previous BOS
2. Review of Stakeholder's feedback analysis for A.Y. 2018-19 and Approval for proposed action taken for A.Y. 2019-20
3. Presentation and Approval of UG structure and Syllabus for A.Y. 2019-20
4. New assessment scheme for AY 2019-20
5. Any other point with the permission of Chair



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Minutes of the Twentieth meeting of Board of Studies Information Technology, Vishwakarma Institute of Technology, Pune- 411 037 held on Thursday, 25-07-2019 at 10.00am.

Meeting No. : BOS/IT/20/2019

Date: 25-07-2019

Venue: Conference Hall, Department of Information Technology, Vishwakarma Institute of Technology, Pune.

The following members were present:

1. Prof. (Dr.) Premanand P. Ghadekar (BOS Chairman)
2. Prof. (Dr.) P. S. Dhabe (Member Secretary)
3. Prof. (Dr.) Vahida Attar
4. Mr. Swanand Kulkarni
5. Mr. Abhijeet Gattani
6. Prof. (Dr.) N. S. Chandolikor
7. Prof. S. P. Dongre
8. Prof. P. A. Bailke
9. Prof. D. R. Deshpande
10. Student Representative- Megha Sharma
11. Student Representative- Pranav Deo

The following members conveyed their inability to attend the meeting and leave of absence was granted to them.

1. Prof (Dr.) Ganesh Ramakrishnan
2. Prof (Dr.) P.N. Mahalle

Prof. D. R. Deshpande (Assistant Head, Academic-IT) extended a warm welcome to all the members of the Board of studies.

The Board of studies considered the items on the agenda and the items permitted by the Chair and following resolutions were passed.

Item- 1: To read and confirm the minutes of the last meeting i.e. of 13-04-2019 by Prof. (Dr.) P. S. Dhabe and shared the action taken reports.



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Resolution : The minutes of the last meeting were read and confirmed.

Proposed by: Prof. Dr. P. P. Ghadekar

Seconded by: Prof Dr. P. S. Dhabe

Resolution unanimously passed.

Item – 2: Presentation by Prof. (Dr.) Premanand Ghadekar about Change in curriculum.

(Dr.) Premanand Ghadekar, Head Information Technology, presented change in curriculum in terms of newly industry offered course, Assessment pattern, and content updation in few courses as per need. Also he stated the vision, mission and PEOs to the BOS members.

1. The presentation begins with stating the new industry course offered for AY 2019-20 by Credit Suisse as **Financial Technology** for final year students.
2. He presented the importance of increasing the list of project ideas (around 12 project list) which are included for every course.
3. Prof. (Dr.) Premanand Ghadekar presented and discussed about implementation of new assessment scheme for theory and lab subjects. He explained current academic structure of IT and MCA in which minor change in assessment is done in terms of **PPT/GD** for each course. He also explained how changes are incorporated with regards to discussion of last meeting
4. **Unity 3D software** concept is inculcated in some courses such as Mobile Computing, Computer Graphics and Human Computer Interaction. He informed about this new software in detail which is purchased under **center of excellence in AR by Vishwakarma University.**
5. The change in nomenclature EDD to EDI (Engineering Design and Innovation) was presented. The projects under EDI and course projects were presented by Prof. (Dr.) Premanand Ghadekar in terms of Research, Publications.
6. Prof. (Dr.) Premanand Ghadekar presented modification in the Content of syllabus for the courses like Discrete Structure and Graph Theory, Software Engineering, etc.in terms of new trends.
7. Prof. (Dr.) Premanand Ghadekar presented the entire stakeholder feedback and proposed actions based on the feedback.

Dr. Vahida Attar suggested making flexibility for deciding the **PPT/GD** based on challenges and experience during that semester instead making it freeze. Mr. Swanand suggested making provision in final year for availability of missed elective course during previous year. Mr. Swanand also suggested adding '**Convex Optimization**' point somewhere in the relevant course.

Resolution : It is resolved to propose to Academic Board to approve Structure.

Proposed by: Prof. Dr. P. P. Ghadekar

Seconded by: Prof Dr. Vahida Attar

Resolution unanimously passed.



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Item – 3 : General discussion new updation to be inculcated in the curriculum

1. Dr Vahida Attar suggested ensuring AICTE norms for Tutorial component and MOOC based courses.
2. She also suggested motivating student for enrolling online course so that self-learning will adapted during internship period.
3. Mr. Abhijeet Gattani emphasized on balancing the load on student in terms of assignments, practical exam and incorporating industry challenges.
4. In aligned with Mr. Abhijeet suggestion, Mr. Swanand suggested to keep balance between :
 - a. Assignment Vs Practical exam
 - b. Fundamental Vs Cutting Edge Technology

Student representatives Pranav Deo and Megha Sharma were satisfied as there all queries of previous BOS meeting were resolved.

Resolution : It is resolved to propose to Academic Board to approve Structure.

Proposed by: Prof. D R Deshpande

Seconded by: Mr. Swanand Kulkarni, Mr. Abhijeet Gattani

Resolution unanimously passed.

The meeting concluded with a vote of thanks by Prof. S. P. Dongre which included summary of the suggestions given by all external BOS members.

[Prof. (Dr.) P P Ghadekar]
BOS Chairman

Enclosed:

Annexure I: Stake holder feedback analysis for AY 2018-19 and proposed action for AY 2019-20

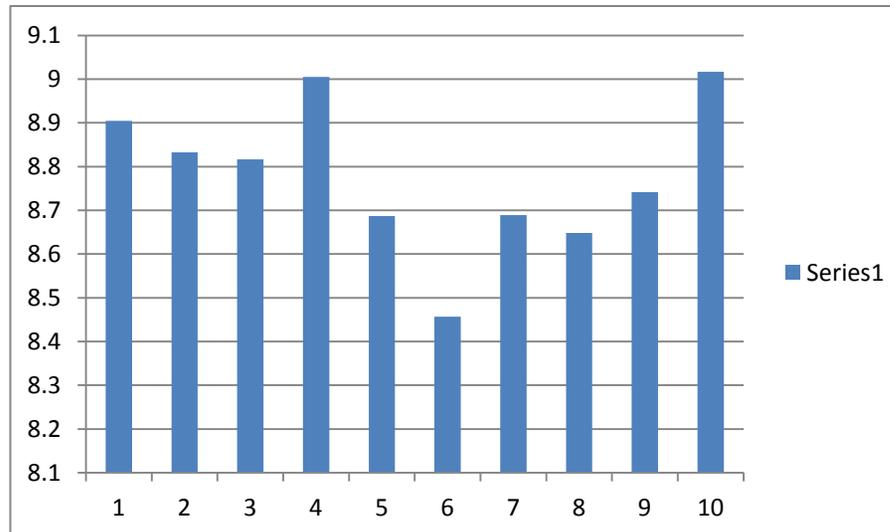
Annexure II: UG structure for AY 2019-20 with new assessment scheme for AY 2019-20



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Annexure I: Stake holder feedback analysis for AY 2018-19

			Q. No.	1	2	3	4	5	6	7	8	9	10
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	Alumni	7		7.545455	8.909091	8.454545	8.363636	8.181818	8.636364	8.909091	8.454545	8.363636	8.818182
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Annexure I: Proposed action for AY 2019-20

- Advancement in Core and programming courses for skill development and more focus on various buckets of electives
- Curriculum must focus on project based and project centric learning
- Curriculum should emphasis more on soft skills
- Few interventions should be in the teaching and learning from industry side to bridge the gap between industry and academy.



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Following Action taken for AY-2019-20 presented in the BOS conducted dated 20th May 2020

- Advancement in programming subjects such as Advanced Data Structure, object oriented programming etc is done in second year and in third year onwards emphasis is on core electives and special Electives
- Engineering Design and Innovation course for IT and Design and Development courses for MCA was the new course offered under Project Centric Learning. Students at every semester will work on projects based on various domains such as Agriculture, Health care, Renewable Energy, Green Earth, Smart City, Weaker Sections (e.g. handicapped), Swatch Bharat, Water, Security, Waste Management relevant to social service where IT can help in improving the work.
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