Feedback System for Curriculum Development for AY - 2017-18

1. Stakeholder's Feedback collection,

2. Feedback Analysis,

3. Action Taken Report

4. Communicated to BoS

5. Hosted on Institutional Website

Stakeholders Feedback Collection for AY 2017-18

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

Stakeholder's Feedback collected: Sample Teachers Feedback

Bansilal Ramnath Agarwal Charitable Trust's
Vishwakarma Institute of Technology, Pune 37
(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

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

Department: Information Technology   AY: 2017-18

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.	7	
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.	10	

Comments (If Any): _____

Name: Ranjana S. Jadhav

Organization: VIT-pune

Sign: [signature]

Date:

Stakeholder's Feedback collected: Sample Employers Feedback

Bansilal Ramnath Agarwal Charitable Trust's
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Faculty/ Parents/ Employer/ Alumni/ Students Feedback on
Curriculum and Structure Design / Review

Department: Information Technology AY: 2017-18

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.	9	
6	Evaluation methods for providing proper assessment.	9	
7	Hands-on component in the Curriculum is satisfactory.	9	
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: Ashoke Malate

Organization: Syntel

Sign: Ashoke

Date: 01/9/2017

Stakeholder's Feedback collected: Sample Alumni Feedback

Bansilal Ramnath Agarwal Charitable Trust's
Vishwakarma Institute of Technology, Pune 37
(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

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

Department: Information Technology   AY: 2017-18

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.	8	
5	Blended learning and futuristic pedagogy.	9	
6	Evaluation methods for providing proper assessment.	9	
7	Hands-on component in the Curriculum is satisfactory.	9	
8	Covers of socially relevant issues.	9	
9	Curriculum gives inputs to students for business acumen and ethical practices.	8	
10	Knowledge gain through project-based learning / project centric learning.	9	

Comments (If Any): _____

Name: Sonone Dhruv S.

Organization:

Sign:

Stakeholder's Feedback collected: Sample Students Feedback

Bansilal Ramnath Agarwal Charitable Trust's
Vishwakarma Institute of Technology, Pune 37
(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

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

Department: Information Technology AY: 17 – 18

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.	8	
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.	9	
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.	8	

Comments (If Any): _____

Name: Kaneei Sushmita VI

Organization: VIT

Sign: K.Sushmita .

Stakeholder's Feedback collected: Sample Parents Feedback

Bansilal Ramnath Agarwal Charitable Trust's
Vishwakarma Institute of Technology, Pune 37
(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

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

Department: Information Technology   AY:

Kindly rate on the scale of 1 to 10. Consider 10 excellent and 1 poor.   2017-18

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.	8	
6	Evaluation methods for providing proper assessment.	8	
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 project-based learning / project centric learning.	9	

Comments (If Any): _____

Name: Damgude Raosaheb
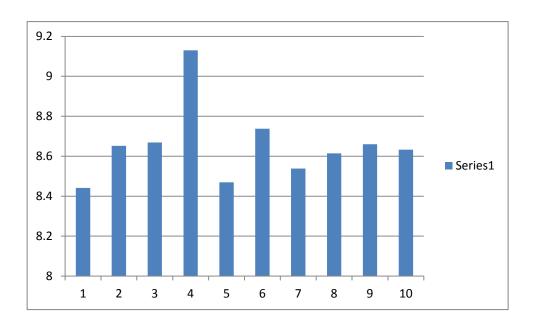
Organization:

Sign: Dugde

Vishwakarma Institute of Technology

*(An Autonomous Institute Affiliated to Savitribai Phule Pune University)*666, Upper Indiranagar, Bibwewadi, Pune 411 037

Department of Information Technology

Stakeholder's feedback collection for A. Y. 2017-18 and Feedback Analysis

	Students	36	**Average score**	8.638889	8.5	8.583333	9.138889	8.833333	8.666667	8.361111	8.583333	8.833333	8.583333
	Teachers	11		8.818182	8.636364	8.818182	9.454545	8.181818	8.727273	8.272727	8.636364	8.818182	8.636364
2017-18	Employers	11		8.454545	8.545455	8.818182	9.272727	8.818182	8.909091	8.727273	8.727273	8.454545	8.454545
	Alumni	11		7.545455	8.909091	8.454545	8.363636	8.181818	8.636364	8.909091	8.454545	8.363636	8.818182
	Parent	12		8.75	8.67	8.67	9.42	8.33	8.75	8.42	8.67	8.83	8.67
	Total	81		8.441414	8.652182	8.668848	9.12996	8.46903	8.737879	8.53804	8.614303	8.659939	8.632485

Descriptive Feedback Analysis:

1. **Parents:** Based on analysis of feedback given by parents it is observed that:
   a. Curriculum should more focus to improve the programming skill sets
   b. Apart from technical knowledge students should be trained for soft skills improvements which is more important for placements
   c. Curriculum should include choice based elective systems.

2. **Students:** Based on analysis of feedback given by students it is observed that:
   a. Demand to offer the multiple electives to enhance the technical skill sets.

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:

   More weightage should be given to project based and project centric learning.

5. **Alumni:** Based on analysis of feedback given by Alumni it is observed that:
   Apart from technical few non-technical courses should be offer such as project management or any other relevant course for the final year students which will make them readiness towards industry.

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 through projects and electives.

Action taken report for AY 2018-19

The average scores for the all questions are found to be above 8.7 on the scale of 10.

- Engineering Design and Development course based on innovative project is offered in every semester which is based on Project centric learning
- Every course lab assessment divided in to two parts one lab continuous assessment based on practical's and course project for the same course.
- At Third year students two types of electives are offered
    1. Special elective courses
    2. Core elective courses
- Along with Data Structures , Advanced data structures is offered
- For final year courses like project management, Engineering and Managerial Economics, Organizational behavior is offered under open elective courses.

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666, Upper Indiranagar, Bibwewadi, Pune 411 037

Department of Information Technology

Communication to the BoS-Information Technology

The Agenda of BOS meeting Dated

19th March 2018

1. To read and confirm the minutes of previous BOS

2. Review of Stakeholder's feedback analysis for A.Y. 2017-18 and Approval for proposed action taken for A.Y. 2018-19

3. Presentation and Approval of UG structure and Syllabus for A.Y. 2018-19

4. Any other point with the permission of Chair

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666, Upper Indiranagar, Bibwewadi, Pune 411 037

Department of Information Technology

Minutes of the Seventeenth meeting of Board of Studies Information Technology and MCA, Vishwakarma Institute of Technology, Pune- 411 037 held on Monday, 19-03-2018 at 3:30 p.m.

Meeting No. : BOS/IT & MCA/17/2018   Date:19-03-2018

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

The Meeting of the Board of studies of Department of Information Technology & MCA, Vishwakarma Institute of Technology, Pune-411 037 was held on Monday,19-03-2018 at 3:30 p.m..in Conference Hall, Department of Computer Engineering of the Institute.

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   BOS external member
4.   Mr. Swanand Kulkarni   BOS external member
5.   Prof. Prof. P A Bailke   BOS internal member
6.   Prof.(Dr.) N. S. Chandolikar BOS internal member
7.   Prof. D. P. Pawar   BOS internal member
8.   Prof. D R Deshpande   BOS internal member
9.   Megha Sharma   Student representative
10. Pranav Deo   Student representative

The following external members conveyed the inability to attend the meeting :

1.   Prof (Dr.) Ganesh Ramakrishnan
2.   Mr. Abhijeet Gattani.
3.   Prof (Dr.) P.N. Mahalle

Prof. D R Deshpande madam (Assistant Head, Academic-IT & MCA) 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.

Vishwakarma Institute of Technology

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Department of Information Technology

Item- 1   **:To read and confirm the minutes of the last meeting i.e. 1st April 2017.**

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 on new syllabus structure with list of new courses for B. Tech**

   Information Technology & MCA , by Head of Department .

Prof. (Dr.) Premanand Ghadekar, Head Information Technology & MCA, presented the methodology of structure and syllabus preparation. Dr. Ghadekar presented B18, C18 and D18 pattern syllabus structure applicable for Second Year, Third Year and Final year B.Tech respectively from AY 2018-2019 onwards. He thoroughly discussed the philosophy behind this proposed new structure and new courses. The proposed philosophy states that to introduced the **core subjects** such as **Advanced Data Structure**, **Analog and Digital Electronics**, **Automata theory**, **Database Management System**, **Computer Networks**, **Operating System** at **Second year** which will enable one to take higher level electives and special electives . These guidelines were based on inputs given by Dean Academics Prof Dr. Rahul Waikar. As per new structure a new concept of **Engineering Design** course which is lab with theory is included **[ED1(FY) to ED7(Final year)]** whose main purpose is to enhance from implementing very basic skills through projects to application oriented implementation of projects based on research area or current industry requirement of students. This course will be completely project based. By this students will be having **more hands- on** and **project skills** of their own. The Board Members appreciated the concept.

On the same line **TY structure** was discussed by Dr. Premanand Ghadekar , which was emphasizing on **Core elective and Special Elective** (List attached : **Annexure I** enclosed)

Core elective are job oriented courses increasing students employability where as special elective allow students to take interdisciplinary courses and focused on employability skills for dream jobs.

Non IT students gets opportunity to study IT courses due to new structure (Data structures, OS, etc).

Dr. Premanand Ghadekar requested Dr. Vahida Attar, and Mr. Swanand to suggest any new electives to introduce in new structure and also opinion was asked to give on new structure.

1. Dr. Vahida Attar suggested to include proper sequence of **Mathematics** subjects. Probability and Statistics based Maths must be get covered for engineering students. Even Swanand gave his opinion about importance of Maths course. Mr. Swanand said to include **Natural Language Process** as a core elective in TY.
2. Both suggested about correcting the flow of track of the courses offered as electives (CE/SE) for TY, i.**e e.g Cloud Computing , Mobile computing should not be offered in same semester and in same bucket**, similarly **Deep Learning and Data Science**. If Cloud computing is offered in Semester I then Mobile computing should be offered in Semester II
3. According Dr. Vahida madam before offering **Compiler Design** , **System Programming** need to be offered, i.e Semester I: **System Programming** and Semester II: **Compiler Design.**
4. The main and important point that raised by Dr. Vahida madam was instead making **Advanced Data structure as core in SY** make **Design and Analysis of Algorithm core for SY. Offer Advanced Data Structure as elective in TY**
5. **Both Dr. Vahida madam and Mr. Swanand were impressed by course type Engineering Design (ED) and also appreciated the concept of ED .**

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.

Item – 3   **: Presentation by Prof. (Dr.)P P Ghadekar about following points.**

1. Internship records of students
2. Result Analysis and proposed corrective action
3. Stakeholder feedback analysis for AY 2017-18
4. Subject Teaching load of Department
5. Course project list
6. New courses and Elective Lists
7. Adjunct Faculty appointment
8. Opportunity to students going for exchange programs
9. Global Internship Program

Prof. (Dr.) P.P. Ghadekar at first explained over all status of student internship and presented highlights of student exchange and global internship was presented by Prof. (Dr.) P.P. Ghadekar. Followed by this he also presented what kind of projects can be included based on courses offered. Distribution of teaching load, Adjunct faculty appointment and importance of Flip class room was also one the key point of discussion. Stakeholder feedback analysis for AY2017-18 was presented and discussed.

Opinion was asked by Dr. Premanand Ghadekar / Mrs D R Deshpande madam to Board members based on the analysis of feedback on curriculum.

Both Dr. Vahida madam and Mr. Swanand appreciated the count of internship students and various opportunity provided to students. Both **valued** curriculum feedback received and suggested to enhance the depth of data structures.. Also **Dr. Vahida madam** liked the concept of Flip class room.

Resolution **:** It is resolved to propose to Academic Board to approve Structure
Proposed by: Mrs D R Deshpande
Seconded by: Prof Dr. Vahida Attar
Resolution unanimously passed.

Item – 4 **: Presentations about** Question paper Audit process, importance of CPI based divisions and student registration process was given by Prof.(Dr.)P.P.Ghadekar.

Prof. (Dr.) P.P. Ghadekar discussed the complete process carried out during each semester for executing audits of question paper set by concern faculty. CPI based division's concepts and its requirement was explained. Also Prof Umesh Kodgule explained the process carried out for student registration for every semester. Followed by this Prof Deepali Joshi stated in brief the semester project allocation process and also explained how the titles of projects are finalized.

Both Dr. Vahida madam and Mr. Swanand appreciated the new concept of question paper audit , CPI based divisions and allocation of semester project process.

Mr. Swanand gave suggestion on **student registration process**. He said that instead offering electives to students based on CPI, conduct a small exam on electives before registration, evaluate it and then offer electives based on student performance

Resolution **:** It is resolved to propose to Academic Board to approve Structure
Proposed by: Mrs D J Joshi
Seconded by: Mr. Swanand Kulkarni
Resolution unanimously passed.

Item – 5   **: Following points in the presentation were included by Prof. (Dr.) P.P.**

   Ghadekar

1. New courses
2. VLL courses
3. Industry sponsored labs
4. Industry Courses
5. Publication
6. Awards
7. Consultancy
8. Research grants

Prof. (Dr.) P.P. Ghadekar, put in plain words the complete various department activities and achievements. All above mentioned activities and achievements were appreciated by Dr. Vahida madam. No suggestions.

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.

The meeting concluded with a vote of thanks and stated summary of the suggestions given by both external BOS members by Prof D. R. Deshpande.

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

Enclosed:

Annexure I: UG Strucutre
Annexure II: New courses list
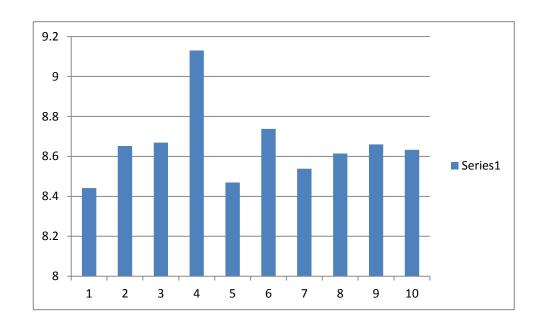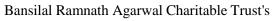Annexure III: Stakeholder feedback analysis AY 2017-18

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Annexure III:

	Students	36	**Average score**	8.638889	8.5	8.583333	9.138889	8.833333	8.666667	8.361111	8.583333	8.833333	8.583333
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Following Action taken for AY-2018-19 presented in the BOS conducted dated 28th July 2018

- Engineering Design and Development course based on innovative project is offered in every semester which is based on Project centric learning
- Every course lab assessment divided in to two parts one lab continuous assessment based on practical's and course project for the same course.
- At Third year students two types of electives are offered
    1. Special elective courses
    2. Core elective courses
- Along with Data Structures , Advanced data structures is offered
- For final year courses like project management, Engineering and Managerial Economics, Organizational behavior is offered under open elective courses.

Hosted on Institutional Website:

Website link for Stakeholder feedback for AY 2017-18:

https://www.vit.edu/IT/images/Syllabus/1.4.1-IT_2017-18_Analysis%20and%20Action%20Taken%20Reports%20for%20%20copy%201.pdf

HOD   Dean QA   Director