Feedback System for Curriculum Development for AY - 2020-21

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 2020-21

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: 2020-21

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.	9	
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	

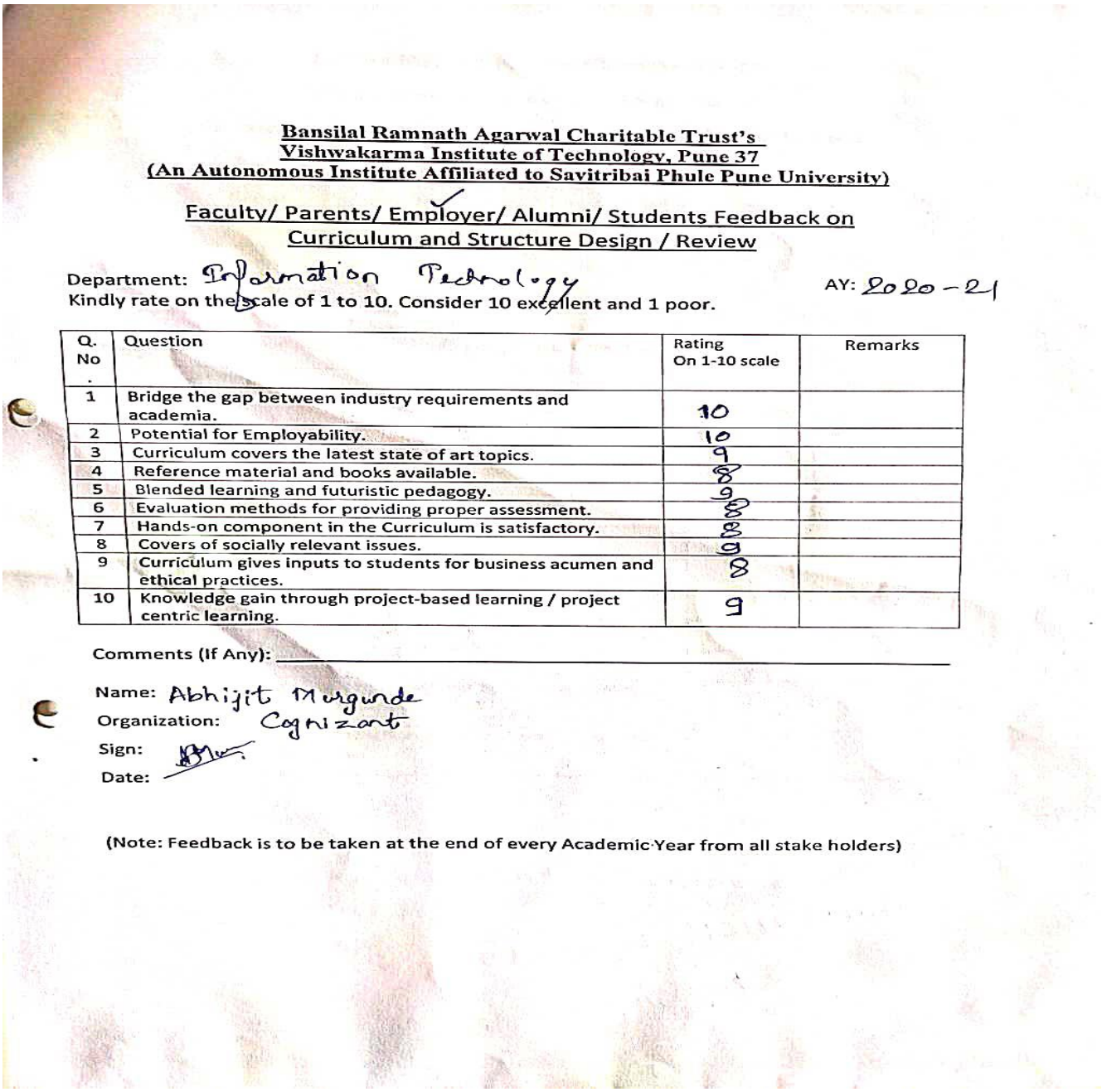
Comments (If Any):

Name: Ranjana S. Jadhav

Organization:

Sign: Jadhav

Stakeholder's Feedback collected: Sample Employers 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: 2020-21

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.	9	
4	Reference material and books available.	8	
5	Blended learning and futuristic pedagogy.	9	
6	Evaluation methods for providing proper assessment.	8	
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.	8	
10	Knowledge gain through project-based learning / project centric learning.	9	

Comments (If Any): _____

Name: Abhijit Murgunde
Organization: Cognizant
Sign:
Date:

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

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: IT AY: 2020-21

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.	9	
4	Reference material and books available.	10	
5	Blended learning and futuristic pedagogy.	10	
6	Evaluation methods for providing proper assessment.	9	
7	Hands-on component in the Curriculum is satisfactory.	10	
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: Snehal Rajendra Kamble

Organization: TIAA

Sign: Snehal

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: 2020-21

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.	10	
4	Reference material and books available.	9	
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.	9	
9	Curriculum gives inputs to students for business acumen and ethical practices.	10	
10	Knowledge gain through project-based learning / project centric learning.	9	

Comments (If Any): _____

Name: Chetan Jain

Organization: VIT Student

Sign: Jain

Date:

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

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: IT AY: 2020-21

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.	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.	10	

Comments (If Any): V. good

Name: Gangadhar Ghadge

Organization:

Sign: Gangadhar

Date:

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

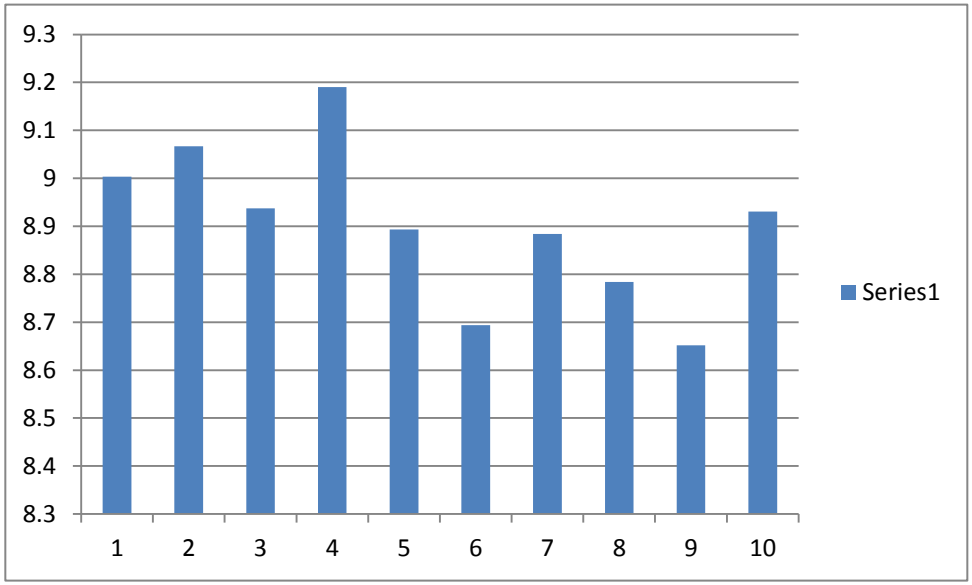
Bansilal Ramnath Agarwal Charitable Trust's

Vishwakarma Institute of Technology

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

Stakeholder's feedback collection for A. Y. 2020-21 and Feedback Analysis

			Q. No.	1	2	3	4	5	6	7	8	9	10
2020-21	Students	20	Average score	8.7	8.55	8.85	9.15	9.05	8.6	8.9	8.55	8.55	8.65
	Teachers	11		9.181818	8.909091	8.909091	9.545455	8.818182	8.545455	8.818182	8.727273	8.545455	9
	Employers	18		9.055556	9.555556	8.888889	8.555556	8.777778	8.444444	8.722222	8.722222	8.222222	8.722222
	Alumni	25		8.88	9.32	9.04	9.2	9.12	9.28	9.08	9.32	9.24	9.48
	Parent	10		9.2	9	9	9.5	8.7	8.6	8.9	8.6	8.7	8.8
	Total	84		9.003475	9.066929	8.937596	9.190202	8.893192	8.69398	8.884081	8.783899	8.651535	8.930444



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

Descriptive Feedback Analysis:

1. **Parents:** Based on analysis of feedback given by parents it is observed that:
    a. Students are lagging in the practical performance.
    b. Demanded to focus on personality development related courses
    c. Requirement in Up-gradation of technical knowledge based on current industry scenario

2. **Students:** Based on analysis of feedback given by students it is observed that:
    a. Interactive sessions during lectures are very less.
    b. Courses like Advanced data structure , Object oriented modeling and system programming need more practice
    c. Courses based on current technology need to be included

3. **Teachers:** Based on analysis of feedback given by faculties it is observed that:
    a. Should include courses relevant social , ethics
    b. More focus need to give on practical knowledge
    c. Project quality need to be improved

4. **Industry:** Based on analysis of feedback in IAB meeting it is observed that:
    a. Lack in the awareness of latest technology
    b. Communication skill is again poor
    c. Basic concepts are very poor
    d. Logical thinking is required

5. **Alumni:** Based on analysis of feedback given by alumni it is observed that:
    a. Those courses need to include which has an Employability skills
    b. Need to minimize the gap between industry and Academic
    c. Time for completion of major project is less

Over all Analysis: Based on complete strategy of feedback given by all stakeholders it is observed that need to include some new courses based on current technology and also focus more on major projects in terms of technical up gradation i.e curriculum needs to be up to date with industrial standards.

Action taken report for AY 2021-22

The average scores for the all questions are found to be above 8.9 on the scale of 10

- Data management and Data mining is offered at SY level
- IOT , Object oreiented programming at SY level is offered
- Machine learning and Deep learing course at TY level is offered
- Data management, Protection and Governance at Final year
- Specific course such as Advanced Data structures assessment is updated practicle oriented.

BansilalRamnathAgarwal Charitable Trust's
VISHWAKARMA INSTITUTE OF TECHNOLOGY – PUNE
(An autonomous Institute Affiliated to SavitribaiPhule Pune University)
666, Upper Indiranagar, Bibwewadi, Pune – 411 037.

Communication to the BoS-Information Technology

The Agenda of BOS meeting Dated 7th August 2021

1. Department Vision, mission
2. Design of structure and syllabus IT
3. Stakeholder feedback analysis for AY 2020-21 and proposed action report
4. Information about Proposed Honor courses
5. EDI, Projects significance
6. CO-PO attainment and logic of calculation
7. Internship & placement schemes

BansilalRamnathAgarwal Charitable Trust's
VISHWAKARMA INSTITUTE OF TECHNOLOGY – PUNE
(An autonomous Institute Affiliated to SavitribaiPhule Pune University)
666, Upper Indiranagar, Bibwewadi, Pune – 411 037.

Minutes of the Twenty Third meeting of Board of Studies, Department of Information Technology , Vishwakarma Institute of Technology, Pune- 411 037 held on Saturday, 07-08-2021 at 10am.

Meeting No. : BOS/IT/23/2021 Date: 07-08-2021

Venue: 23rd meeting was held online mode on Google meet platform with following details:

BOS Online Meet-IT dept

When Saturday, August 7 · 10.00am – 12:00pm

Joining info Google Meet joining info
Video call link: https://meet.google.com/adp-zidk-qus
Or dial: (US) +1 605-653-3265 PIN: 541 164 484#

The following members had joined the meeting:

1. Prof. (Dr.) Premanand P. Ghadekar (BOS Chairman)
2. Prof. (Dr.) P. S. Dhabe (Member Secretary)
3. Prof. (Dr.) P.S.V Natraj, Professor, Systems & Control Engineering, IIT, Bombay
4. Prof. (Dr.) Vahida Attar, HOD, Computer Department, COEP, Pune
5. Prof (Dr.) Varsha Patil, Vice-Principal, Matoshri COE, Nasik.
6. Mr. Swanand Kulkarni, Staff Engineer, ENEA Openwave, Pune
7. Mr. Abhijeet Gattani, Team Manager, Siemens, Pune
8. Prof. (Dr.) N. S. Chandolikar
9. Prof. S. P. Dongre
10. Prof. D. R. Deshpande
11. Prof. A. R. Sawant
12. Miss Chanchal Mal Student Representative
13. Mr. Prasanna Akolkar Student Representative

Prof. D. R. Deshpande (Assistant Head, Academic-IT) extended a warm welcome to 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 20-02-2021 by Prof. (Dr.) P. S. Dhabe and share the action taken report.

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: Prof. (Dr.) P. P. Ghadekar, Head, Department of Information Technology department, presented the following points:

8. Department Vision, mission
9. Design of structure and syllabus IT
10. Stakeholder feedback analysis for AY 2020-21 and proposed action report
11. Information about Proposed Honor courses
12. EDI, Projects significance
13. CO-PO attainment and logic of calculation
14. Internship & placement schemes

While presenting all above points Prof. (Dr.) P. P. Ghadekar shared the entire thought process for deciding credit limits, inclusion of cutting edge technology courses, importance of electives, projects , more emphasis on the Programming courses in the curriculum**(ANNEXURE I).** Next he presented the list of courses to be offered under Honor scheme and also structure for Honor courses. Before conclusion of presentation sir presented the analysis report based on stakeholder feedback and proposed the action report for AY 2021-22.

Entire presentation, the academic pattern, proposed actions of department were appreciated by all external BOS members with few suggestions as follows:

1. **Prof Dr. PSV Natraj** suggested doing internship in good industries and encouraging students to do industry internship in national and international level. He appreciated flipped classroom approach. Faculties and Students are recommended to attend very good online courses. Question set, solutions can be referred from other universities. Even faculty should recommend such links. Re-enforcement learning recommended as separate subject. Predictive analytics and predictive maintenance are very important can be taught after learning ML-DL. Collaboration with mechanical industries will be useful to have experience on real projects.
2. **Mr. Abhijeet Gattani**- Appreciated all changes incorporated, vision, mission, focus area, research schemes, preparedness for Industry 4.0. Digitization importance is discussed and appreciated VIT schemes of digitization in teaching. He suggested deciding theory and practical part percentage in virtual execution. He appreciated refined syllabus but suggested to expand structure and syllabus gradually with strong base.
3. **Prof Dr. Varsha Patil** - Appreciated academic scheme like publications, industry ready practice. She discussed credits scheme, distribution of theory, lab, elective subjects and contact hours. She give various useful suggestions like a. To learn through learning via projects. b. Teacher should manually do CO-attainment for understanding purpose. Initial target for CO-attainment should be set and update accordingly. c. Provide Course-map on the first day to students. d. Add-on courses like certificate courses are required for NBA and NAAC purpose. College can decide the add-on is and regular courses.
   Some of the schemes are already available like project-based and project- centric learning, EDI, course projects, proper credit distribution. Lastly madam suggested to

get the feedback from industry and design new courses.

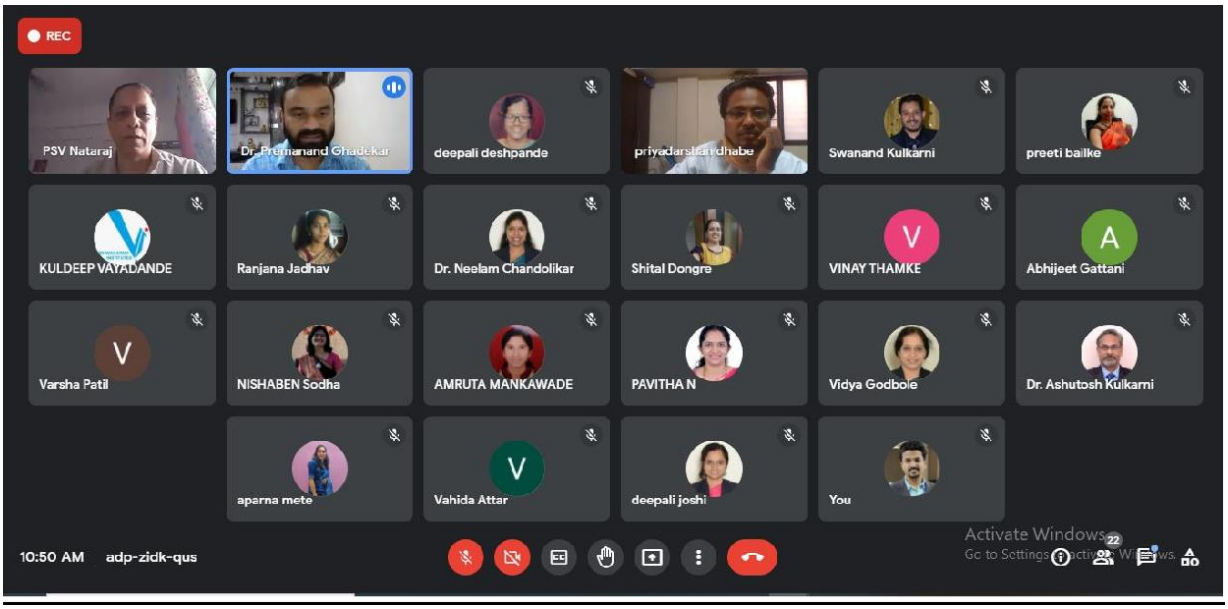
4. **Swanand Kulkarni** - Appreciated CO-attainment, Honors, Audit courses, courses. In-line with Prof Dr. PSV Natraj suggestions, he also appreciated good facilities available in VIT to implement predictive maintenance.
He recommended that Student-choice audit courses should be available. In foreign universities there is limit of minimum credits. There should have facility to go beyond that. He also suggested that predictive maintenance/analytics can be added as Honor subject

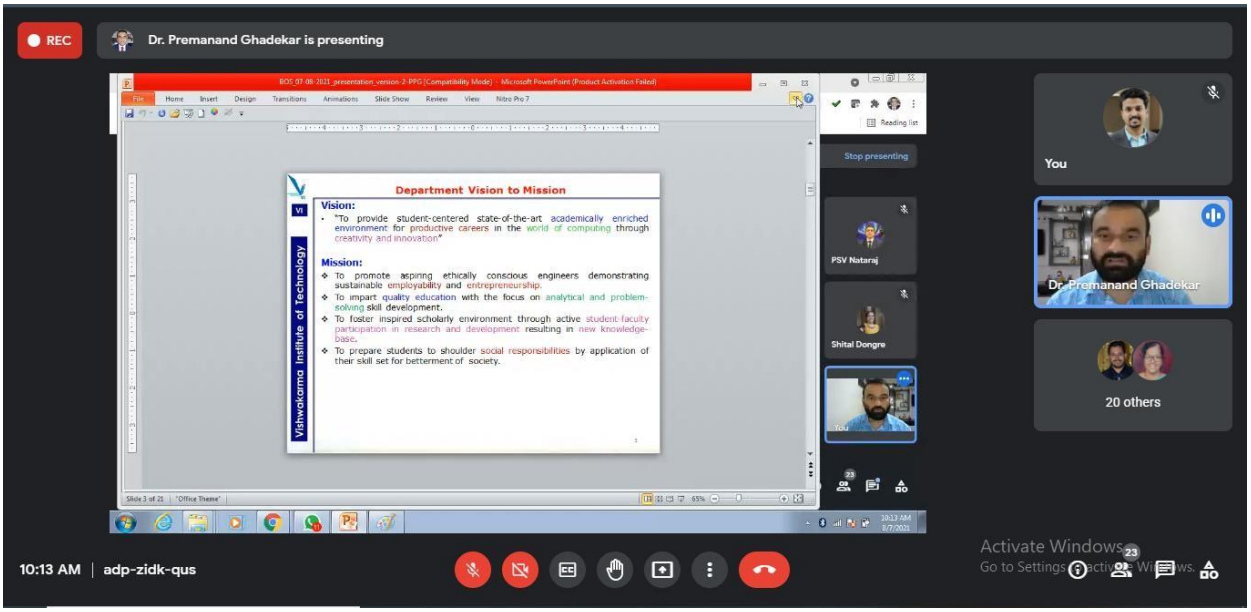
Resolution : It is resolved to propose to Academic Board to approve Structure
Proposed by: Prof. Dr. P. P. Ghadekar
Seconded by: Prof. Dr. P.S.V. Natraj and Prof Dr. Varsha Patil
Resolution unanimously passed

The meeting concluded with a vote of thanks by Prof. A. R. Sawant which included summary of the suggestions given by all external BOS members.

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

Snaps of Online meeting:




REC
Dr. Premanand Ghadekar is presenting
Department Vision to Mission
Vision:
"To provide student-centered state-of-the-art academically enriched environment for productive careers in the world of computing through creativity and innovation"
Mission:
To promote aspiring ethically conscious engineers demonstrating sustainable employability and entrepreneurship.
To impart quality education with the focus on analytical and problem-solving skill development.
To foster inspired scholarly environment through active student-faculty participation in research and development resulting in new knowledge-base.
To prepare students to shoulder social responsibilities by application of their skill set for betterment of society.
Vishwakarma Institute of Technology
Stop presenting
PSV Nataraj
Shital Dongre
You
Dr. Premanand Ghadekar
20 others
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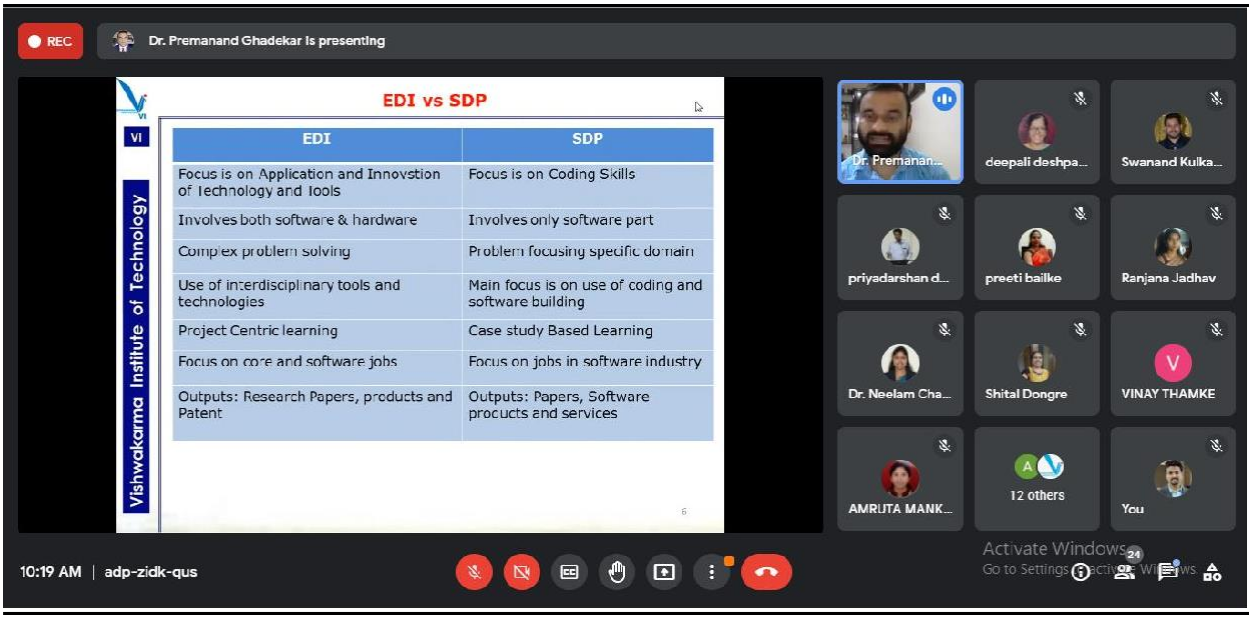
REC
Dr. Premanand Ghadekar is presenting
EDI vs SDP
EDI
SDP
Focus is on Application and Innovation of Technology and Tools
Focus is on Coding Skills
Involves both software & hardware
Involves only software part
Complex problem solving
Problem focusing specific domain
Use of interdisciplinary tools and technologies
Main focus is on use of coding and software building
Project Centric learning
Case study Based Learning
Focus on core and software jobs
Focus on jobs in software industry
Outputs: Research Papers, products and Patent
Outputs: Papers, Software products and services
Vishwakarma Institute of Technology
Dr. Premanan...
deepali deshpa...
Swanand Kulka...
priyadarshan d...
preeti bailke
Ranjana Jadhav
Dr. Neelam Cha...
Shital Dongre
VINAY THAMKE
AMRUTA MANK...
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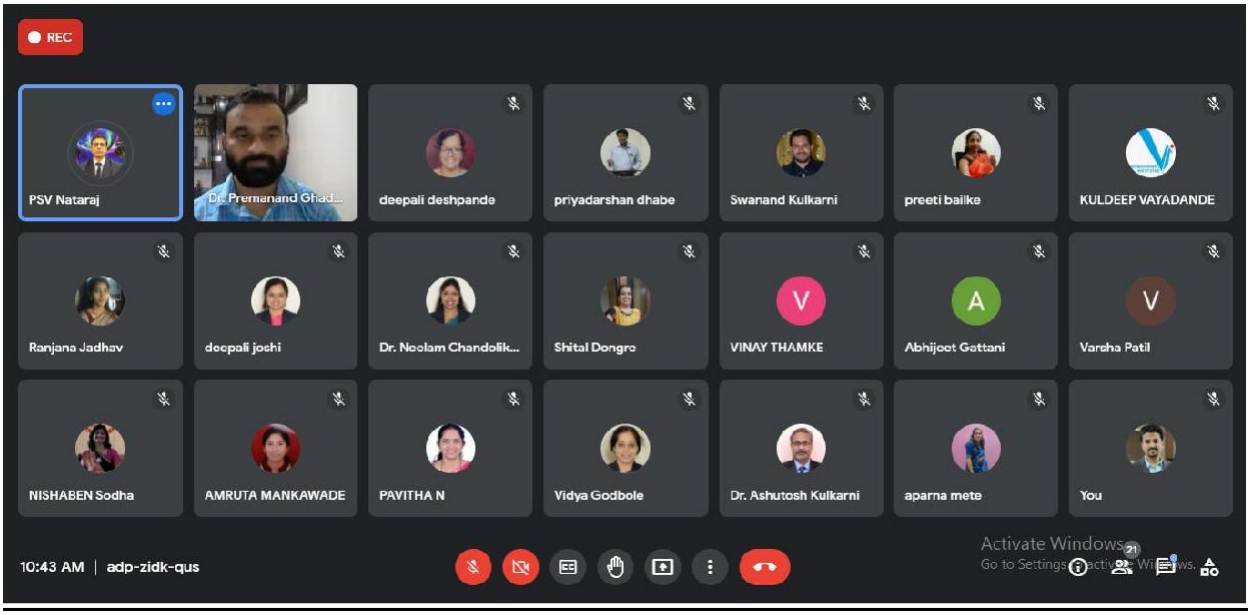
REC
PSV Nataraj
Dr. Premanand Ghad...
deepali deshpande
priyadarshan dhabe
Swanand Kulkarni
preeti bailke
KULDEEP VAYADANDE
Ranjana Jadhav
deepali joshi
Dr. Neelam Chandolik...
Shital Dongre
VINAY THAMKE
Abhijeet Gattani
Varsha Patil
NISHABEN Sodha
AMRUTA MANKAWADE
PAVITHA N
Vidya Godbole
Dr. Ashutosh Kulkarni
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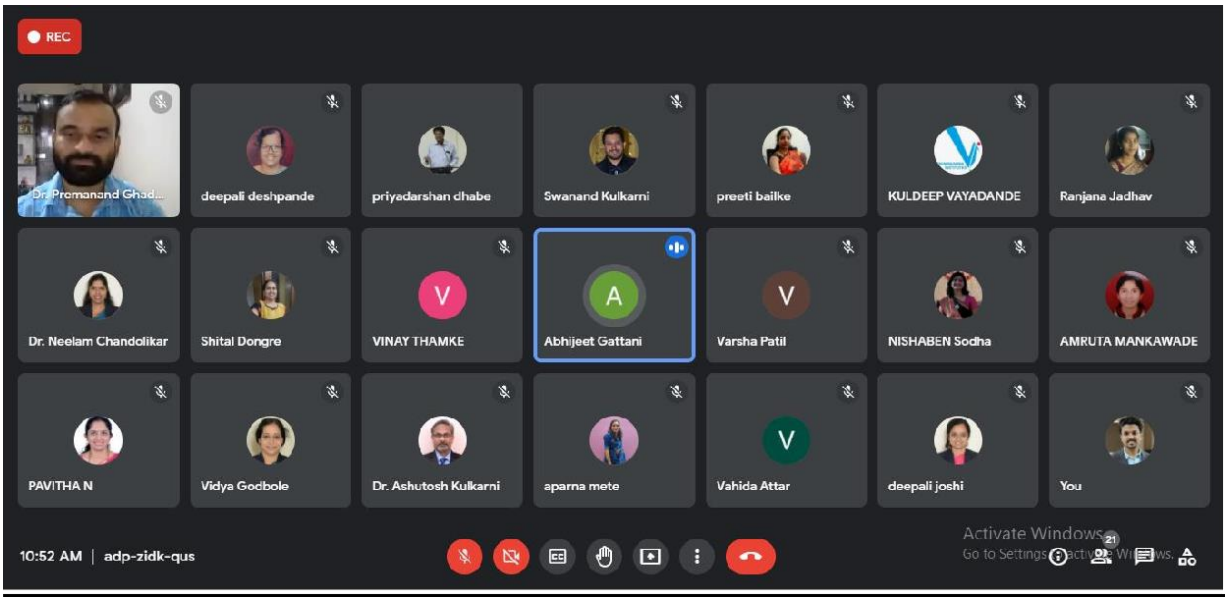
REC
Dr. Premanand Ghad...
deepali deshpande
priyadarshan dhabe
Swanand Kulkarni
preeti bailke
KULDEEP VAYADANDE
Ranjana Jadhav
Dr. Neelam Chandolikar
Shital Dongre
VINAY THAMKE
Abhijeet Gattani
Varsha Patil
NISHABEN Sodha
AMRUTA MANKAWADE
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Vidya Godbole
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10:52 AM | adp-zidk-qus
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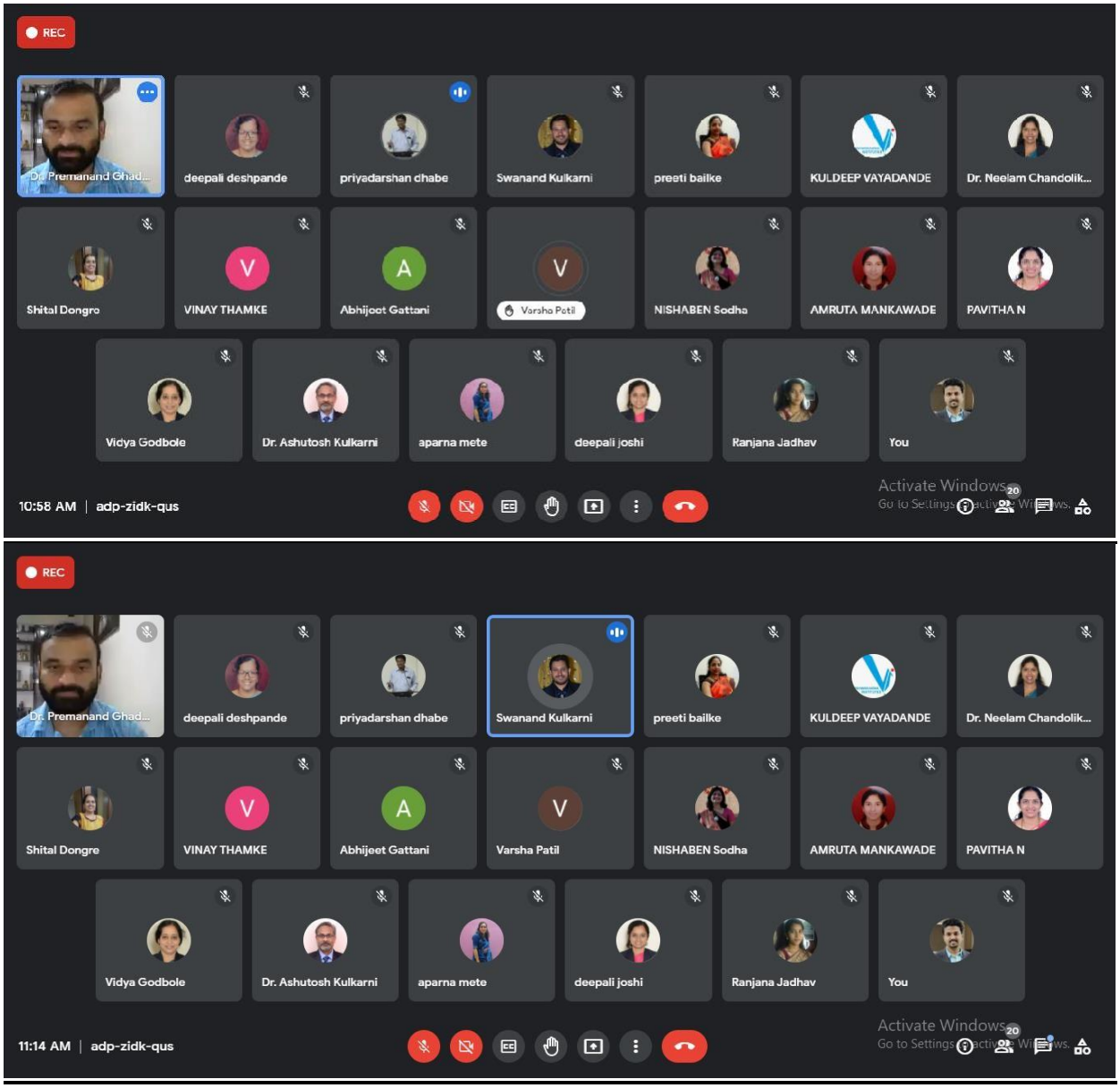

Enclosed:
Annexure I: UG Structure
Annexure II: Stakeholder feedback analysis and report
Annexure III: New courses list

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

Annexure II: Stakeholder Feedback Analysis

			Q. No.	1	2	3	4	5	6	7	8	9	10
2020-21	Students	20	Average score	8.7	8.55	8.85	9.15	9.05	8.6	8.9	8.55	8.55	8.65
	Teachers	11		9.181818	8.909091	8.909091	9.545455	8.818182	8.545455	8.818182	8.727273	8.545455	9
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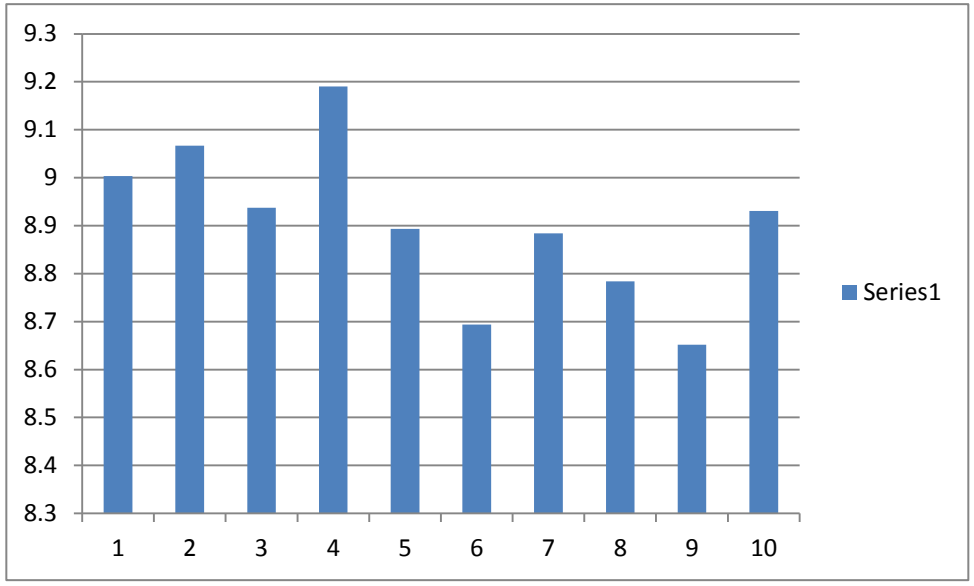
	Alumni	25		8.88	9.32	9.04	9.2	9.12	9.28	9.08	9.32	9.24	9.48
	Parent	10		9.2	9	9	9.5	8.7	8.6	8.9	8.6	8.7	8.8
	Total	84		9.003475	9.066929	8.937596	9.190202	8.893192	8.69398	8.884081	8.783899	8.651535	8.930444



Annexure II: Proposed Action Report for AY 2021-22

- To expand structure and syllabus gradually with strong elective courses at Third and final year
- To give more focus on project based and project centric learning.
- Add-on courses for final year students

Following Action taken for AY 2021-22 presented in the BOS conducted dated 9th April 2022

- Data management and Data mining is offered at SY level
- IOT , Object oreiented programming at SY level is offered
- Machine learning and Deep learing course at TY level is offered
- Data management, Protection and Governance at Final year