Feedback System for Curriculum Development

For AY 2020-21

I. Stakeholder's Feedback collection

II. Feedback Analysis

III. Action Taken Report

IV. Communication to BoS

V. Hosted on the institutional website

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I) <u>Stakeholder's Feedback collection for A. Y. 2020-21</u>

1. Stakeholder's Feedback collected: Sample Teachers Feedback

2. Stakeholder's Feedback collected: Sample Employers Feedback

3. Stakeholder's Feedback collected: Sample Students Feedback

4. Stakeholder's Feedback collected: Sample Parents Feedback

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Department of Artificial Intelligence and Data Science

Title: Stake Holders Feedback on Curriculum

Bansilal Ramnath Agarwal Charitable Trust's
Vishwakarma Institute of Technology, Pune 37
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Faculty/ Parents/ Employer/ Alumni/ Students Feedback on
Curriculum and Structure Design / Review

Department: Artificial Intelligence & Data Science   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.	8	
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.	7	
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: MRS A.R. sawant
Organization: VIT, Pune
Sign: ARS

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

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Department of Artificial Intelligence and Data Science

Title: Stake Holders Feedback on Curriculum

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

Department: Artificial Intelligence & Data Science   AY: 2020 - 21

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Comments (If Any):

Name: GIRISH KANITKAR
Organization: VERITAS
Sign:

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

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

Department: Artificial Intelligence & Data Science

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AY: 2020-21

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Comments (If Any):

Name: Suraj Dattatray Rothe.

Organization: VIT, Pune.

Sign: Rothe.

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

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Title: Stake Holders Feedback on Curriculum

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

Department: Artificial Intelligence & Data Science   AY: 2020 - 21

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Comments (If Any):   —

Name: AJMAL   AHMED   SHAIKH

Organization: PVT PRACTIONER

Sign:

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

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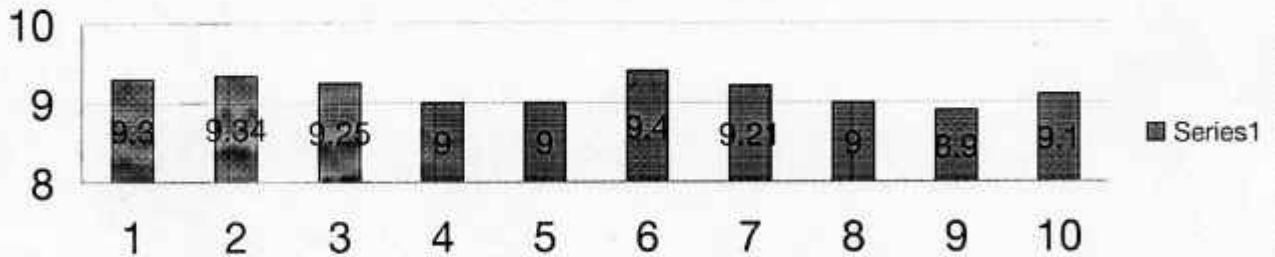*(An Autonomous Institute Affiliated to Savitribai Phule Pune University)*
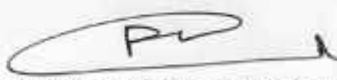666, Upper Indiranagar, Bibwewadi, Pune 411 037

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II) Stakeholder's Feedback Analysis for A. Y. 2020-21

AY			Q.No	1	2	3	4	5	6	7	8	9	10
2020-21	Students	30		9.41	9.51	8.98	8.90	8.89	9.26	8.70	9.10	8.89	8.89
	Teachers	10		9.22	9..20	9.00	8.92	9.21	9.50	9.00	9.23	9.20	9.00
	Employers	10	Average Score	9.36	9.00	9.12	9.04	8.88	9.34	8.70	8.76	9.10	9.20
	Parents	10		9.12	8.98	9.22	9.07	8.88	9.24	9.20	8.89	9.00	9.23
	Total	60		9.3	9.34	9.25	9	9	9.4	9.21	9	8.9	9.1

Question-Wise Average Score AY 2020-21

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Descriptive Feedback Analysis :

1. **Parents:** Based on analysis of feedback given by parents it is observed that:
   a. Appreciated the activities planned and conducted by college for the development of students in business, job, social and leadership areas etc

2. **Students:** Based on analysis of feedback given by students it is observed that:
   a. Overall assessment practices followed is satisfactory
   b. Courses included are adequate for learning
   c. Focus more on programming concepts

3. **Teachers:** Based on analysis of feedback given by faculties it is observed that:
   a. Courses that forms both analytical and creative thinking were appreciated
   b. More focus need to be given for programming paradigm

4. **Industry:** Based on analysis of feedback given by employers it is observed that:
   a. To build up learning of basic concepts related to core subjects
   b. upgrade the curriculum based on industry demand
   c. Overall practices followed is satisfactory

Over-all Analysis: Based on complete strategy of feedback given by all stakeholders it is observed that activities planned and conducted by college for the development of students is appreciated. More focus on programming paradigm. The assessment practices followed and courses included are adequate for learning. To upgrade the curriculum based industry demand.

Prof. (Dr.) Premanand.P.Ghadekar
Head of Department

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III) Action Taken Report for A.Y. 2021-22 based on Stakeholder's Feedback Analysis

The average scores for the all questions are found to be above 8.8 on the scale of 10. based on the feedback of the stake holders few changes were made.

1. 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

2. 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

3. To enhance technical knowledge and meet industry requirements Courses like predictictive analytics, reinforcement learning and Data Management, protection and governance were added in the fourth year.

Prof. (Dr.) Premanand.P.Ghadekar
Head of Department

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Communication to the BoS-Artificial Intelligence and Data Science

The Agenda of BOS meeting Dated 7ᵗʰ August 2021

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

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Department of Artificial Intelligence and Data Science

Minutes of the Three meeting of Board of Studies, Department of Artificial Intelligence and Data Science , Vishwakarma Institute of Technology, Pune- 411 037

held on Saturday, 07-08-2021 at 10am.

Meeting No. : BOS/AI&DS/03/2021   Date: 07-08-2021

Venue: 3rd meeting was held online mode on Google meet platform

with following details: BOS Online Meet-AI&DS dept

When	Saturday, August 7 · 10.00am – 12:00pm
Joining info	Google Meet joining info

Video call link: https://meet.google.com/adp-zidk-qusOr 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. Bhatti Sukhpreet Singh Student Representative
13. Chaudhari Ruchita Manoj Student Representative

Prof. D. R. Deshpande (Assistant Head, Academic-AI&DS) 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 Chairand following resolutions were passed.

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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 Artificial Intelligence and Data Science presented the following points:

1. Department Vision, mission
2. Design of structure and syllabus AI&DS
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

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** appreciated flipped classroom approach. Faculties and Students are recommended to attend very good online courses. Question set, solutions can be referred from other universities.

2. 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.

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3. **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.

4. **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. To learn through learning viaprojects.
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.

5. **Swanand Kulkarni** - Appreciated Honors, Audit 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.

Resolution   : It is resolved to propose to Academic Board to approve Structure
Proposed by: Prof. Dr. P. P. Ghadekar
Seconded b: 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

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Snaps of Online meeting:

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IV) <u>Hosted on the institutional website</u>

Website Link for Stakeholder's Feedback Report for AY 2020-21:

https://www.vit.edu/AIDSC/images/Stakeholders%20feedback/1.4.1_Feedback_Action_Report_AY2020_21.pdf

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Dean QA

Dean-Quality Assurance
Vishwakarma Institute of Technology,
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Director

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