

#### Mahatma Education Society's

# Pillai College of Engineering

Dr. K.M Vasudevan Pillai's Campus, 10, Sector 16, New Panvel - 410206

The institute conducts the regular feedback from its stakeholders (Alumni, Employer, Teacher, Students). The Feedback is conducted to invite the suggestions and comments on the curriculum of the respective program. The collected feedback is analyzed and the corresponding action to be taken is decided. The comments received on the addition of topics or courses are forwarded to the respective members of the Board of Studies so as to consider the suggestions in the revision process of the syllabus. Various courses are also conducted in response to the feedback at the respective program level.

# Sample Action Taken Report of the Employer Feedback of Academic Year 2020-21

| SN | Name of<br>Person   | Designation         | Feedback  | Action Taken  |
|----|---------------------|---------------------|---|---|
| 1  | Dayanand<br>Wasate  | Business Head       |   | forwarded to the member<br>of BoS through proper<br>channel with a request to |
| 2  | Prathamesh<br>Bagwe | Design<br>Manager   | Seminars from Industry experts explaining what is expected out from a fresher, Industry and Domain guide to help them take a wise decision. | industry expert talk series   |
| 3  | Devyani<br>Jadhao   | HR                  | Command on Programming languages of student would improve if it is incorporated in syllabus from 1st year                                   | forwarded to the member   |
| 4  | Mr. M.R.<br>Mishra  | Software<br>Manager | There is a scope for more electives in the early semesters of curriculum.   |   |

| 5  | P. V.<br>Ramkumara<br>n      | Software<br>Manager                | 1  | development using Unity<br>was conducted for student             |
|----|------------------------------|------------------------------------|--|--|
| 6  | S.S. Gupta,                  | Software<br>Manager                | Subjects related to Recent trends<br>in Programming languages can be<br>included from the beginning of<br>course   | forwarded to the member  |
| 7  | Smrithy I.,                  | HR Manager                         | To bridge the gap between academics and industry standards domains such as Blockchain, Machine Learning, AI, Data Science, Ethical Hacking can be included in curriculum | Introduction to Deep<br>Learning                                 |
| 8  | Kirti<br>Shirsekar,<br>HR    | HR                                 | Need to work on written and verbal Communication   | Organised webinar on CV writing and How to prepare for interview |
| 9  | Sandeep<br>Choubey, t        | Executive<br>Campus<br>Recruitment | Students should be Industry ready and possess the required knowledge and skills.   | Various Add on Courses are incorporated (pt.8)                   |
| 10 | Mandar<br>shukla,<br>Factory | Manager                            | Students should be Capable of applying logic & designing solutions to real world problems in Industry.   | actively participate in  |
| 11 | Maruti<br>Pawar,             | CMD                                | Students should be Able to apply<br>the basic principles and practices<br>of engineering to pursue<br>professional developments  |  |

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PNLAI COLLEGE OF ENGINEERING

PN. K. M. Vasude van Piller's Campus, Sector-16,

New Panyel-110206, Navi Mumbai

Maharashtra, INDIA



### Sample Action Taken Report of the Alumni Feedback of Academic Year 2020-21

| SN | Name of<br>Alumni                | Designation   | Feedback Received                                  | Actions Taken   |
|----|----------------------------------|---|--|---|
| 12 | Vernon<br>Chinnadurai            | Rayden Design Studio, Analyst (Provider Analytics)      | Telematics should be included in curriculum        | The suggestions are forwarded to the member of BoS through proper channel with a request to consider at the time of syllabus revision   |
| 13 | Kunal kashyap                    | MD, NID, TRANSPOR TATION AND AUTOMOBI LE DESIGN         |  | The suggestions are forwarded to the member of BoS through proper channel with a request to consider at the time of syllabus revision   |
| 14 | Sushma Tiwari                    |   |  | In the revised syllabus internship is recommended for TE & BE students. Also the suggestions (give weightage to internship) are forwarded to the member of BoS through proper channel with a request to consider at the time of syllabus revision |
| 15 | Karan More                       | Engineering   | during the course for some practical applications. | internship is recommended<br>for TE & BE students.<br>Also the suggestions (give  |
| 16 | Shashank<br>Kshetrapal<br>Sharma | Tata Consultancy Services - Assistant Consultant (Plant | THA EDUC   | forwarded to the member<br>of BoS (Mechanical Engg)<br>through proper channel   |

|    |                          | Maintenance)                       |  | revision  |
|----|--------------------------|------------------------------------|--|---|
| 17 | Suraj Panicker           | Tampere<br>University              | Digital manufacturing should be included in curriculum   | The suggestions are forwarded to the member of BoS (Mechanical Engg) through proper channel with a request to consider at the time of syllabus revision |
| 18 | Debarshi<br>Bhattacharya |                                    |  | 1. One specialization in renewable studies is proposed in the curriculum. 2. Special talks are arranged on the awareness of renewable energy sources    |
| 19 | Prasad Gupte             |                                    | Design Thinking, Diversity & Inclusion   | Students are participating in various car design teams like Hyperion, SPARK. Workshop on design software like SolidWorks are conducted.                 |
| 20 | Paresh B<br>Golegaonkar  | _                                  | Management Skills should be included in curriculum   | The suggestions are forwarded to the member of BoS (Mechanical Engg) through proper channel with a request to consider at the time of syllabus revision |
| 21 | Ravi Prakash             | Modrig<br>Techsolutions<br>Pvt Ltd | Hands on technical trade<br>should be taught as part of<br>engineering course for at least<br>9 months | forwarded to the member   |
| 22 | Ankit Melath             |                                    | Practical application based on actual application in industry  New Panyel Navi Mumasi Mahas 206        | forwarded to the member of BoS (Mechanical Engg.) through proper channel with a request to consider at the time of syllabus revision                    |

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| 23 | Sachin V<br>Kuldhar    | Sr. Manager,<br>Reliance<br>Retail Ltd.          | Data science, Supply chain<br>management, six-sigma should<br>be included in curriculum                       |   |
|----|------------------------|--|---|---|
| 24 | Harish<br>Krishnan B   | Accenture; Business &                            | Robotics - Data analytics and artificial intelligence should be   | revision  The suggestions are   |
|    | Krisman B              | Integration Architect                            | included in curriculum  | of BoS (Mechanical Engg)<br>through proper channel<br>with a request to consider<br>at the time of syllabus<br>revision |
| 25 | Gayatri Nair           | Tableau<br>Developer                             | Few more industry level approaches are needed to be involved  | Industry Expert talk or<br>"Insights on Software<br>Testing industrial<br>approach"                                     |
| 26 | Vaishak Nair           | Avotrix  | Domains like IoT, Android<br>Programming can be added as<br>a part of the new curriculum                      |   |
| 27 | Namrata<br>Chetgiri    | Tata<br>Consultancy<br>Services                  | New Domains such as<br>ReactJS, AngularJS, .net or<br>other such frameworks can be<br>added in the curriculum |   |
| 28 | Anindita<br>Bhajan     | Tata<br>Consultancy<br>Services                  |   | web development using<br>Bootstrap4 and AlpineJS  |
| 29 | Shreyas dalvi          | Truist Bank<br>USA,Data<br>management<br>analyst | More industry oriented sessions/ tie up with startups/ encouraging students to do internships                 |   |
| 30 | Gurmukh<br>Singh Lotey | Manager at<br>Airtel                             | Try to conduct workshops as<br>per the requirement of the   | Various workshops are   |

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|    |                                   | Payments<br>Bank       | industry.  | skills and make students industry ready                               |
|----|-----------------------------------|------------------------|--|---|
| 31 | Saurabh<br>Madhavi                | WNS Global<br>Services | Involve industry experts for Workshops & lectures in our college.  |   |
| 32 | Nikhil<br>Chathoth<br>Padmanabhan |                        | Incubation for Alumni and<br>students, open idea pitching<br>competitions, hackathons and<br>pulling students interest on the<br>sustainable engineering and<br>green energy | participate in various competitions like Smart India Hackathons, Deep |





### Sample Action Taken Report of the Teacher Feedback of Academic Year 2020-21

| Sr<br>No | Feedback received   | About the course                        | Action taken  |
|----------|---|---|---|
| 33       |   | Engineering Mathematics – III (Sem III) | The suggestions are forwarded to<br>the member of BoS through proper<br>channel with a request to consider<br>at the time of syllabus revision                      |
| 34       | More contact hours needed for Module of Cam and Followers                               |   | Proposed for extra lectures on cam<br>and followers   |
| 35       | Characterization of materials may be included in brief                                  |   | The suggestions are forwarded to<br>the member of BoS through proper<br>channel with a request to consider<br>at the time of syllabus revision                      |
| 36       | Compressor topic should add in this subject   | Thermodynamic<br>s (Sem III)            | The suggestions are forwarded to<br>the member of BoS through proper<br>channel with a request to consider<br>at the time of syllabus revision                      |
| 37       | Include practical for this subject so student can understand theory clearly             | Fluid Mechanics<br>(Sem IV)             | The suggestions are forwarded to<br>the member of BoS through proper<br>channel with a request to consider<br>at the time of syllabus revision                      |
| 38       | Position analysis of different mechanisms should be added                               | Kinematics of<br>Machinery (Sem<br>IV)  | Plan to cover extra lab experiment on position analysis   |
| 39       | Machine maintenance based practicals be included  |   | The suggestions are forwarded to<br>the member of BoS through proper<br>channel with a request to consider<br>at the time of syllabus revision                      |
| 40       | Power Electronics by M D Singh and K B Khanchandani can be added in the reference books |   | The suggestions are forwarded to<br>the member of BoS through proper<br>channel with a request to consider<br>at the time of syllabus revision                      |
| 41       |   | Engineering Mathematics - III (Sem III) | The suggestions are forwarded to<br>the member of BoS (Mechanical<br>Engg) through proper channel with<br>a request to consider at the time of<br>syllabus revision |
| 42       | The contents should be lucid. The topic   | Thermodynamic                           | The topic Not Murpos  |

|    | of combustion thermodynamics to be included. The topic is important for the students to learn the internal combustion engines.   |                                       | thermodynamics is proposed in the<br>revised syllabus and the same is<br>communicated to the BoS with a<br>request to consider at the time of<br>revision of the curriculum. |
|----|--|---------------------------------------|--|
| 43 | Eccentric Loading on Structures should<br>be included in the course.<br>Real Life Structure Based Live<br>Problems can be added in SOM<br>Syllabus for in depth knowledge. | Materials (Sem                        | The suggestions are forwarded to<br>the member of BoS (Mechanical<br>Engg) through proper channel with<br>a request to consider at the time of<br>syllabus revision          |
| 44 | Practical should be included     Some part of Advanced thermodynamics can be included  | Thermodynamic<br>s (Sem III)          | The suggestions are forwarded to<br>the member of BoS (Mechanical<br>Engg) through proper channel with<br>a request to consider at the time of<br>syllabus revision          |
| 45 | Practical should be included.  | Pumps Compressors & Fans (Sem VII)    | The suggestions are forwarded to<br>the member of BoS (Mechanical<br>Engg) through proper channel with<br>a request to consider at the time of<br>syllabus revision          |
| 46 | More advanced additive manufacturing techniques can be included. Bio Printing, Metal Printing.   | CAD/CAM<br>(Sem IV)                   | Propose to take an industrial visit/expert session on Metal printing and Bioprinting.  |
| 47 | Application orientation is essential in the syllabus. Two-dimensional analysis, Nonlinear analysis.  | Analysis (Sem                         | Adding additional content is not possible therefore plan to cover extra lab experiments on 2-dimensional analysis and nonlinear analysis                                     |
| 48 | Power Electronics By K B Kanchandani can be included   | Industrial<br>Electronics<br>(Sem IV) | The suggestions are forwarded to<br>the member of BoS (Mechanical<br>Engg) through proper channel with<br>a request to consider at the time of<br>syllabus revision          |
| 49 | Industry Life Case Studies should be added   | CAMD (Sem<br>III)                     | The suggestions are forwarded to<br>the member of BoS (Mechanical<br>Engg) through proper channel with<br>a request to consider at the time of<br>syllabus revision          |
| 50 | Modelling of Mechanisms should be more software based rather than Sheet Drawing.   |                                       | through proper channel with  |
|    |  |                                       | Navi Mumbai 410 206. ** Maharashtra 1NDIA  |

|    |  |                             | a request to consider at the time of syllabus revision  |
|----|--|-----------------------------|---|
| 51 | Machine maintenance based practicals be included   |                             | The suggestions are forwarded to<br>the member of BoS (Mechanical<br>Engg) through proper channel with<br>a request to consider at the time of<br>syllabus revision     |
| 52 | Metal Printing should be included in Syllabus  |                             | Proposed to take an industrial visit/expert session on Metal printing and Bioprinting.  |
| 53 | Following topics may be included in the revised course content:  1. Introduction to secondary flows  2. Aerodynamics  3. Introduction to Bio Fluid Mechanics.        | Fluid Mechanics<br>(Sem IV) | The suggested topics are proposed in the revised syllabus and the same is communicated to the BoS with a request to consider at the time of revision of the curriculum. |
| 54 | Practical syllabus would have been introduced which is quite easy to take online as it contains more of programming and softwares the theory will be more effective. | Measurement                 | The suggestions are forwarded to<br>the member of BoS (Mechanical<br>Engg) through proper channel with<br>a request to consider at the time of<br>syllabus revision     |
| 55 | Many important topics exclude in revised syllabus which we're there in old   |                             | The suggestions are forwarded to<br>the member of BoS (Mechanical<br>Engg) through proper channel with<br>a request to consider at the time of<br>syllabus revision     |
| 56 | IOT can be added as interdisciplinary elective courses   | Curriculum f/b              | Included in Rev 2019 Syllabus   |
| 57 | The curriculum does not have sufficient analytical reasoning, communication and soft skills components.  | Curriculum f/b              | Industry Expert talk on Transition from Campus to Corporate   |
| 58 | Curriculum does not have provision to carry out interdisciplinary project-based learning Methodology   |                             | Webinar on Project Deep Blue by<br>Mastek and Majesco's   |
| 59 | Curriculum does not have sufficient analytical reasoning, communication and soft skills components.  | Curriculum f/b              | Industry Expert talk on Transition from Campus to Corporate   |
| 60 | Curriculum does not have provision to carry out interdisciplinary project-based learning Methodology   | Curriculum f/b              | Webinar on Project Deep Blue by<br>Mastek and Majesco's   |
|    |  | Computer                    | The surgestions forwarded to  |

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|    | understand the concept even better and will bridge the gap between current   | ,  | consider at the time of syllabus   |
|----|--|--|--|
| 62 | industrial standards to some extent.  The Course covers all the aspects in brief. There should have been a little bit more focus on Application Layer protocols. Also the number of hours allocated are less to complete the syllabus. | Communication<br>Network ,<br>Semester VI            | revision.  The suggestions are forwarded to the member of BoS through proper channel with a request to consider at the time of syllabus revision.  |
| 63 | Flow measurement transducer and pressure level measurement transducer should be included.  |  | The suggestions are forwarded to<br>the member of BoS through<br>proper channel with a request to<br>consider at the time of syllabus<br>revision. |
| 64 | Need more number of hours for differential amplifiers and MOSFET current sources.  | Devices and  | The suggestions are forwarded to<br>the member of BoS through<br>proper channel with a request to<br>consider at the time of syllabus<br>revision. |
| 65 | Information theory can be added  | Principles of Communication Engineering, Semester IV | The suggestions are forwarded to<br>the member of BoS through<br>proper channel with a request to<br>consider at the time of syllabus<br>revision. |
| 66 | Computational Electromagnetics can be included in the syllabus.  | Electromagnetic<br>Engineering,<br>Semester V        | The suggestions are forwarded to<br>the member of BoS through<br>proper channel with a request to<br>consider at the time of syllabus<br>revision. |
| 67 | The hours allotted to some of the modules like time response analysis need to be increased.  | 4.274271 41376                                       | The suggestions are forwarded to<br>the member of BoS through<br>proper channel with a request to<br>consider at the time of syllabus<br>revision. |
| 68 | Viva and practical exams should be conducted like the old syllabus.  | Digital System<br>Design,<br>Semester III            | The suggestions are forwarded to the member of BoS through proper channel with a request to consider at the time of syllabus revision.             |
| 69 | State Space Analysis should be included in the syllabus as it will also  | Electronic<br>Instrumentation                        | The suggestions are forwarded to the member of Bos through   |

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|    | help them to prepare for competitive<br>examinations. Also Industrial visit<br>should be made compulsory so that<br>students understand the practical<br>concepts in detail  | Systems,<br>Semester III               | proper channel with a request to consider at the time of syllabus revision.  |
|----|--|--|--|
| 70 | Topics like design of Low voltage regulators using IC 723 (LVLC and LVHC) and foldback current limiting should be included in the Voltage Regulators Module. Audio Power Amplifier IC (LM380) can also be included in Module No. 6 (Special Purpose Integrated Circuits) | Integrated<br>Circuits,<br>Semester IV | The suggestions are forwarded to<br>the member of BoS through<br>proper channel with a request to<br>consider at the time of syllabus<br>revision. |
| 71 | Sampling of continuous time signals topic can be added   | Signals & Systems, Semester            | The suggestions are forwarded to<br>the member of BoS through<br>proper channel with a request to<br>consider at the time of syllabus<br>revision. |





# Sample Action Taken Report of the Student Feedback of Academic Year 2020-21

| SN | Name of the Subject &<br>Semester       | Feedback   | Action taken  |
|----|---|--|---|
| 72 | Engineering Mathematics I               | Students find it difficult to apply the concepts of Numerical methods for solving the Engineering problems with the help of SCILAB software. | planned by Mathematics teachers. Discussion to be   |
| 73 | Engineering Physics I                   | Problems in comparing the properties of engineering materials for their current and futuristic frontier applications.                        | planned such as explaining  |
| 74 | Basic Workshop Practice 1               | Difficulty in developing the necessary skill required to handle/use different plumbing tools.  | interaction shall be reduced  |
| 75 | Basic Workshop Practice 1               | Trouble in Demonstrating the turning operation with the help of a simple job.  |   |
| 76 | Applied Mathematics III                 | To add more details and information about formula background   | Formulae need to be a pdf file. students are given formulae in one file module wise   |
| 77 | Strength of Materials                   | Should have taught by the pace of student  | Proposed mini project related to this subject   |
| 78 | Applied Mathematics IV                  | Need More description of formula   | Planning to spend some extra lecture on derivation of formula also will provide study material related derivation                     |
| 79 | Internal Combustion Engines Sem V       | Provide more practical based curriculum could be useful  | The suggestions are forwarded to the member of BoS through proper channel with a request to consider at the time of syllabus revision |
| 80 | Business Communication and Ethics Sem V | More weightage of marks of soft skills, so students can actually learn   |   |

|    | I                                      |  |  |
|----|--|--|--|
| 81 | Internal Combustion<br>Engines Sem V   | Some early insight on EVs would be useful as well as basic coding required in our field.   |  |
| 82 | Finite Element Analysis<br>Sem VI      | Need more problem solving of industrial problems.  | The suggestions are forwarded to the member of BoS through proper channel with a request to consider at the time of syllabus revision                                    |
| 82 | Chassis and Body<br>Engineering Sem VI | There should be more practical   | The suggestions (Include more practical exercises) are forwarded to the member of BoS through proper channel with a request to consider at the time of syllabus revision |
| 84 | Finite Element Analysis<br>Sem VI      | More practical should be arranged  | The suggestions are forwarded to the member of BoS through proper channel with a request to consider at the time of syllabus revision                                    |
| 85 | Feedback on Curriculum                 | The computer graphics domain could add more things like 3d modelling which is important nowadays it is extensively used in order to explain or show working of some intricate systems. | to cover 3D modelling  |
| 86 | Feedback on Curriculum                 | Confidence build up course, effective communication, analytical skills   | Industry Expert talk on<br>Transition from Campus to<br>Corporate  |
| 87 | Feedback on Curriculum                 | Android development labs, Web frameworks - React, Angular,   | 00   |



|    |                        | Machine Learning Practicals, some hardware related practicals, etc.  | BoS through proper channel with a request to consider at the time of syllabus revision   |
|----|------------------------|--|--|
| 88 | Feedback on Curriculum | The existing curriculum covers most of the domains but it should focus more on the practical knowledge.  | Competition.   |
| 89 | Feedback on Curriculum | There are most of the domains required in the curriculum but some of the domains need to be introduced in the early years of the curriculum.                           | forwarded to the member of<br>BoS through proper channel   |
| 90 | Feedback on Curriculum | Few more Concepts related to industry requirements   | Industry Expert talk on "Insights of evolving Database Technologies", Alumni Expert talk on "Architecture design of Jio from Planning to Implementation  |
| 91 | Feedback on Curriculum | Yeah most of the software based things are covered in the new syllabus but 1 or 2 hardware related sessions should take place in practical sessions or extra lectures. | upcoming semesters. As due<br>to pandemic conducting<br>hardware sessions is difficult   |
| 92 | Feedback on Curriculum | Character development  | Industry Expert talk on "Insights on Evolving Database Technologies"   |
| 92 | Feedback on Curriculum | Courses related to Javascript<br>and Advanced programming<br>should be introduced with focus<br>on frameworks.   | development using Bootstrap4   |
| 94 | Feedback on Curriculum |  | A 10 SOC OLIVERY OF THE PARTY O |

|     |                        | world, practical examples should be shown or explained in the lectures and more hands-on experience on softwares that we learn in theory.   |   |
|-----|------------------------|---|---|
| 95  | Feedback on Curriculum | Events where we get to know<br>how actually companies work<br>internallyThe projects the<br>work on the technologies they<br>use  | provided  |
| 96  | Feedback on Curriculum | theory paper must be arranged<br>for programming course as it<br>would tell about the knowledge<br>gain in the subject.,computer<br>hardware must be included.,<br>professional English speaking<br>must be added | forwarded to the member of<br>BoS through proper channel<br>with a request to consider at<br>the time of syllabus revision            |
| 97  | Data Science           | Domains such as Blockchain,<br>Artificial Intelligence and Data<br>Science should be given more<br>focus.   | Conducted   |
| 98  | Feedback on Curriculum | Ethical Hacking should be covered   | Expert Talk on Career in<br>Cyber Security Conducted  |
| 99  | Feedback on Curriculum | Following domains should be added as a part of the new curriculum: Game development, IoT, Blockchain, Data Science, Ethical Hacking, Devops, AR,  | forwarded to the member of  |
| 100 | Feedback on Curriculum | Skill based : android studio & advanced Java, Kotlin  | Webinar on KOTLIN and FIREBASE essentials: Build a multilayer Quiz App  |
| 101 | Feedback on Curriculum | Web development subject should be added in Curriculum   | The suggestions are forwarded to the member of BoS through proper channel with a request to consider at the time of syllabus revision |
| 102 | Feedback on Curriculum | Dynamic and competitive coding  | Webinar on Project Deep Blue<br>by Mastek and Majesco's   |
| 103 | Feedback on Curriculum | Existing curriculum covers every domain required, but if  | Alexander Control   |

|     |                                | will be great if JavaScript<br>Libraries like React JS Or Vue<br>JS added to the syllabus  | BoS through proper channel<br>with a request to consider at<br>the time of syllabus revision                    |
|-----|--------------------------------|--|---|
| 104 | Feedback on Curriculum         | More industrial visits   | Will be conducted in upcoming semesters   |
| 105 | Feedback on Curriculum         | More group projects. More industry based work. Practical learning. Internships.  |   |
| 106 | Feedback on Curriculum         | Data Science, ML, DL, Web<br>Development, block chain, Data<br>structures and algorithm  | *   |
| 107 | Feedback on Curriculum         | New technologies for the latest software of database management systems should be introduced in the syllabus.                                |   |
| 108 | Feedback on Curriculum         |  | Study Circle on front-end web<br>development using Bootstrap4<br>and AlpineJS Framework                         |
| 109 | Electromagnetic<br>Engineering | Not Able to apply the knowledge of electromagnetics for participating and succeeding in various competitive exams and for lifelong learning. | GATE Exam Preparations for the students of ETRX and   |
| 110 | Engineering Mathematics III    |  | GATE Exam Preparations for the students of ETRX and EXTE were conducted from 18th March 2021 to 12th April 2021 |



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