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# GOVERNMENT RESIDENTIAL WOMEN'S POLYTECHNIC,LATUR

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Home

## Part B

Back To Content Page

### 7 CONTINOUS IMPROVEMENT (75)

Total Marks 75.00

#### 7.1 Actions taken based on the resultsof evaluation of each of the POs and PSOs (25)

Total Marks 25.00

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Institute Marks

Identify the areas of weaknesses in the program based on the analysis of evaluation of POs & PSOs attainment levels. Measures identified and implemented to improve POs & PSOs attainment levels for the assessment years.

25.00

Actions to be written as per table in 3.3.2.

- A. Documentary evidence of POs and PSOs attainment levels (10)
- B. Gaps identified /shortfalls/improvement from continuous improvement perspective (5)
- C. Plan of action to bridge the gap and its Implementation (10)

### POs Attainment Levels and Actions for Improvement- (2019-20)

Edit

POs	Target Level	Attainment Level	Observations
<b>PO 1 : Basic and Discipline specific knowledge</b>			
PO 1	4	4	<p>TTarget level achieved. Computer engineering curriculum requires the foundation of theoretical and practical knowledge of science , mathematics, and communication, which the students study in</p> <p>Action 1: Additional tutorial sessions to be arranged for mathematical courses. Action 2: Assignments are given and get solved by students .This makes practice for students and teachers are able to know difficulties faced by students. Action 3: Co-Curriculum activities arranged like teaching methodologies used in teaching-learning process</p>
<b>PO 2 : Problem analysis</b>			
PO 2	4	3	<p>Target level not achieved . At entry level the performance in chemistry, applied mathematics and engineering graphics found to be poor. The student"s performance in Programming</p>

ACTION 1: Non Information Technology subjects performance improvement new strategy to be drafted ACTION 2: More practical sessions along with industry expert's session for the subjects of programming language is arranged. ACTION 3: More Practical sessions conducted for Scripting and Expert talk on Information Security to be arranged. ACTION 4: NPTEL /SWAYAM course materials provided to students		
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### PO 3 : Design/ development of solutions

PO 3	3	3	Target Level achieved . Design solutions for well-defined technical problem one needs appropriate planning and more practical oriented approach towards system processes to meet specific need.
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ACTION 1: Focuses is to be given on problems solving related to object oriented modeling and design. ACTION 2 : The life cycle of Software development activity for understanding among students is to be carried out by arranging Industrial tour. ACTION 3: Workshop to be conducted by Industry expert on advance technologies and software used in IT sectors.			
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### PO 4 : Engineering Tools, Experimentation and Testing

PO 4	3	3	Target Level achieved .For Computer engineering problem one needs to work with modern tools appropriate planning and more practical oriented approach to develop end product with
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ACTION 1: To give more exposure to modern software, Application GUI /IDE programs are conducted by the department ACTION 2: Looking into technology advancements Staff and Students are encouraged to take new technology based Projects. ACTION 3: Set Higher Target Level for next year. ACTION 4 :Conduct workshop to use latest software tools available in market like Eclipse for Java and Android programming			
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### PO 5 : Engineering practices for society, sustainability and environment

PO 5	3	3	Target Level achieved and tries to maintain or update the target level in next academic year 2019-20 for that following actions to be taken.
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ACTION 1: Arrange the activities like Tree plantation, Swacha Bharat Abiyan to create awareness. ACTION 2: Industrial visit conducted to make the students aware of all these issues related to engineering and society.			
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### PO 6 : Project Management

PO 6	3	3	Target Level achieved as management principles acquired by individuals for well defined engineering activities are obtained to the optimal level so the target is increased to showcase her
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ACTION 1: Behavioral science related activities to be organized. ACTION 2: Role play activity is to be carried out to show case management skills ACTION 3: Arranged Three days EDP workshop for final year students. ACTION 4: Industry Sponsored projects allotted to final year students.			
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### PO 7 : Life-long learning

PO 7	4	4	Target Level achieved. For computer engineering problem one needs updating the skills to survive in globally changing technological needs to meet requirement of future. The except final
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ACTION 1: Workshop to be arranged on project life cycle development. ACTION 2: Expert talk on Time and conflict Management is to be organized. ACTION 3: Students are motivated to organize and participate in sports, technical and cultural events. ACTION 4: Students are encouraged to use library for journals, reference books, search net, undergo certification coerces for up gradation of knowledge and			
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## PSOs Attainment Levels and Actions for Improvement- (2019-20)

Edit

PSOs	Target Level	Attainment Level	Observations
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**PSO 1 : Computer Software and Hardware Usage: Use state-of-the-art technologies for operation and application of computer software and hardware.**

PSO 1	3	3	Target Level achieved and tries to maintain or update the same target level in the next academic year following actions to be taken.
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ACTION 1: Video based learning on programming.

ACTION 2: Demonstrate the skills developed by students by working of the hardware and software aspects of computer systems.

ACTION 3: NPTEL /SWAYAM course materials provided to students

**PSO 2 : Computer Engineering Maintenance: Maintain computer engineering related software and hardware systems**

PSO 2	3	3	Target Level achieved and tries to maintain or update the same target level in the next academic year following actions to be taken.
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ACTION 1: Pedagogical activities to be organized for technical subjects like data structure, Java etc.

ACTION 2: Arranged industrial visits for students, to make aware of upcoming technologies and tools in the industry

ACTION 3: Work professionally in software industries and achieve higher education for career enhancement

## 7.2 Improvement in Success Index of Students without the backlog (10)

Total Marks 10.00

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Institute Marks

$SI = \frac{\text{Number of students who have passed from the program in the stipulated period of course duration}}{\text{Number of students admitted in the first year of that batch and admitted in 2nd year via lateral entry}}$

10.00

Assessment shall be based on improvement trends in success indices. Marks are awarded accordingly.

Edit

Items	Latest Passed out Batch (2016-17)	Latest Passed out Batch minus 1 (2015-16)	Latest Passed out Batch minus 2 (2014-15)
Success Index (from 4.2.1)	0.51	0.42	0.30

## 7.3 Improvement in Placement and Higher Studies (10)

Total Marks 10.00

Assessment is based on improvement in:

10.00

- Placement: number, quality placement, core industry, pay packages etc.
- Higher studies: admissions in premier institutions.

Edit

Items	Latest Passed out Batch (2016-17)	Latest Passed out Batch minus 1 (2015-16)	Latest Passed out Batch minus 2 (2014-15)
Placement Index (from 4.6)	0.69	0.80	0.70

7.4 Improvement in Academic Performance in Final year (10)

Total Marks 10.00

Assessment is based on improvement in:

10.00

Edit

Items	Latest Passed out Batch (2016-17)	Latest Passed out Batch minus 1 (2015-16)	Latest Passed out Batch minus 2 (2014-15)
Academic Performance Index (from 4.3)	6.69	6.49	6.61

7.5 Internal Academic Audits to Review Complete Academics & to Implement Corrective Actions on Continous Basis (10)

Total Marks 10.00

10.00

Edit

Items	2018-19 (CAYm1)	2017-18 (CAYm2)	2016-17 (CAYm3)
Internal Academic Audits	Internal academ	Internal academ	Internal academ

7.6 New Facility created in the Program (10)

Total Marks 10.00

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Institute Marks

Assessment is based on improvement in:

10.00

Edit

Items	2018-19 (CAYm1)	2017-18 (CAYm2)	2016-17 (CAYm3)
New Facility Created	1. Four Network	1. Two Network	1.Weaker studer

Previous

Next