



Yashoda Shikshan Prasarak Mandal's  
**Yashoda Technical Campus**

Approved by AICTE Delhi/ Govt. of Maharashtra  
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**DEPARTMENT OF COMPUTER ENGINEERING**

**Class: TY**

**Sem: Even**

**Academic Year: 2024-25**

**Subject: Programming With Python(22616)**

**Program Outcome:**

**PO1:** Basic and Discipline specific knowledge: Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.

**PO2:** Problem analysis: Identify and analyse well-defined engineering problems using codified standard methods.

**PO3:** Design/ development of solutions : Design solutions for well-defined technical problems and assist with the design of systems components

**PO4:** Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests and

**PO5:** Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices

**PO6:** Project Management: Use engineering management principles individually, as a team member or a leader to manage projects and

**PO7:** Life-long learning: Ability to analyse individual needs and engage in updating in the context of technological changes.

**Program Specific Outcomes:**

**PSO1:** Computer Software and Hardware Usage: Use state-of-the-art technologies for operation and application of computer

**PSO2:** Computer Engineering Maintenance: Maintain computer engineering related software and hardware systems.

**Course Outcome:**

<b>CO22616_a</b>	Display message on screen using python script on IDE.
<b>CO22616_b</b>	Develop python program to demonstrate use of operators.
<b>CO22616_c</b>	Perform operations on data structures in python.
<b>CO22616_d</b>	Develop functions on given problem.
<b>CO22616_e</b>	Design classes on given problem.
<b>CO22616_f</b>	Handle Exceptions.

**CO-PO Mapping:**

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
<b>CO22616 a</b>	3	1	1	2	1	1	1	2	2
<b>CO22616 b</b>	3	2	2	2	1	2	1	3	2
<b>CO22616 c</b>	3	3	2	2	1	2	2	3	3
<b>CO22616 d</b>	3	3	2	2	1	2	2	3	3
<b>CO22616 e</b>	3	3	3	2	1	2	2	3	2
<b>CO22616 f</b>	2	3	3	2	1	2	1	3	2
<b>Average of PO</b>	<b>2.83</b>	<b>2.50</b>	<b>2.17</b>	<b>2.00</b>	<b>1.00</b>	<b>1.83</b>	<b>1.50</b>	<b>2.83</b>	<b>2.33</b>
<b>Average of PO Mapping in %</b>	<b>94.44</b>	<b>83.33</b>	<b>72.22</b>	<b>66.67</b>	<b>33.33</b>	<b>61.11</b>	<b>50.00</b>	<b>94.44</b>	<b>77.78</b>

*Mals*  
Course Coordinator

*P. Jeyan*  
Academic Coordinator

*Diange*  
HOD

**Vision of Program**

To empower the students' abilities of academic, technical and professional competence in the field of Computer Engineering and to nurture them in the developing areas to help the society

**Mission of Program**

M1- To create opportunity for rural students with capable clever engineers and technocrats through continual excellence in engineering education

M2- To create self-disciplined, skilled, physically and mentally fit and robust, ethically and morally powerful engineers and technocrats with the higher degree of integrity who are responsible and capable to meet the challenges of advance technology of present and future scenario for the welfare of mankind and nature

M3- Promote an educational environment that integrates an excellent academic discipline and research culture to stimulate the overall technical and social growth of young engineering graduates

M4- Enhance carrier opportunities for students through Industry-Institute-Interaction and value-added courses training and skill development

M5- Inculcate entrepreneurship mindset in students to enable them job creators