



Sinhgad Institutes

**Sinhgad Technical Education Society's  
SINHGAD INSTITUTE OF TECHNOLOGY**

*Accredited by NAAC with Grade "A"*

*(Affiliated to Savitribai Phule Pune University, Approved by AICTE and NAAC Accredited)*

Gat No. 309, Off Pune-Mumbai Express Way, Kusgaon (Bk.), Lonavala-410401.

Website: sit.sinhgad.edu

**Department of Information Technology**



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**Sinhgad Technical Education Society's  
SINHGAD INSTITUTE OF TECHNOLOGY, LONAVALA  
Department of Information Technology**

**INTERNSHIP LOGBOOK**

**Third Year (IT)**

**Academic Year**

**2023-24**

**Internship Faculty Incharge**  
**Dr. Pravin Latane**

**HOD (IT)**  
**Dr. R. V. Babar**

## **Vision and Mission of Institute**

### **VISION**

**उत्तमपुरुषान् उत्तमाभियंतृन् निर्मातुं कटीबध्दा: वयम्।**

We are committed to produce not only good engineers but good human beings, also.

### **MISSION**

Holistic development of students and teachers is what we believe in and work for. We strive to achieve this by imbibing a unique value system, transparent work culture, excellent academic and physical environment conducive to learning, creativity & technology transfer. Our mandate is to generate, preserve and share knowledge for developing a vibrant Society.

## **Vision Mission of department**

### **VISION**

The department of IT visualizes teaching learning methodologies to create groomed, technically competent, skilled intellectual IT professionals to achieve the challenges of dynamic needs of local as well global industry and professional community.

### **MISSION**

The department offers students and faculty with an open environment that fosters professional and personal growth. Acquiring knowledge of Information Technology and learning its application through innovative practices and possess high morale, ethics, lifelong learning skills, concern for the society and environment.

**Department of Information Technology**

**Short Term Goals**

- The department offers students and faculty with an open environment that fosters professional and personal growth.
- To strengthen the institute-industry relationship for mutual benefits.
- To initiate technical development programs and certification examinations for skills development of students.
- To establish project-based learning model for real life learning to improve academic performance of students and maintain high placement record

**Long Term Goals**

- To provide dynamic curriculum to meet the requirements of industries.
- To strengthen patent-based research and product development efforts for supporting indigenous market.
- To foster research in the field of Information Technology for the benefits of society.
- To create better entrepreneurs in the IT Sector.

**Program Educational Objectives: PEOs**

- To provide strong fundamental concepts in mathematics, science, engineering and Technology to address technological challenges.
- To provide knowledge and skills in the field of Computer Science and Information Technology for analyzing, designing and implementing complex engineering problems of any domain with innovative approaches.
- Possess an attitude and aptitude for research, entrepreneurship and higher studies in the field of Computer Science and Information Technology.
- Shall Have commitment to ethical practices, societal contributions through communities and lifelong learning.
- Possess better communication, presentation, time management and teamwork skills leading to responsible & competent professionals and will be able to address challenges in the field of IT at global level.



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**Program Specific Outcomes: PSOs**

1. An ability to apply diverse Information Technology concepts to solve complex business and computational problems through the analysis, design, development and management of information processing systems and applications in interdisciplinary domains.
2. Acquire technical, professional and social skills through the use of latest technology to be competent enough for professional responsibilities

**Program Outcomes: POs**

Students will be able to:

- i) **Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- ii) **Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
- iii) **Design/Development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- iv) **Conduct Investigations of Complex Problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions for complex problems:
  - that cannot be solved by straightforward application of knowledge, theories and techniques applicable to the engineering discipline as against problems given at the end of chapters in a typical text book that can be solved using simple engineering theories and techniques;
  - that may not have a unique solution. For example, a design problem can be solved in many ways and lead to multiple possible solutions;
  - that require consideration of appropriate constraints / requirements not explicitly given in the problem statement such as cost, power requirement, durability, product life, etc.;
  - which need to be defined (modelled) within appropriate mathematical framework; and
  - that often require use of modern computational concepts and tools, for example, in the design of an antenna or a DSP filter.

**Department of Information Technology**

- v) **Modern Tool Usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
- vi) **The Engineer and Society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- vii) **Environment and Sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- viii) **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- ix) **Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- x) **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- xi) **Project Management and Finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- xii) **Life-long Learning:** Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.



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**Internship Details**

<b>Name of Student:</b>	Prathamesh Manohar Dandage		
<b>Roll Number:</b>	11	<b>Student Contact:</b>	7875363959
<b>Online/Offline:</b>	ONLINE	<b>Duration:</b>	1 MONTH
<b>Start Date:</b>	20/12/23	<b>End Date:</b>	20/01/24
<b>Stipend received (If any):</b>	NO	<b>Is Paid:</b>	NO
<b>Area/Domain:</b>	PYTHON PROGARMMING WITH DATA STRUCTURE & ALGORITHMS		
<b>Name of Company:</b>	YBI FOUNDATION		
<b>Company address:</b>	C-176B Lane, Street No. 36, Mahavir Enclave Part 2, Mahavir Enclave Part 3, Mahavir Enclave, New Delhi, Delhi, 110059		
<b>(With website link)</b>	<a href="https://www.ybifoundation.org/#/home">https://www.ybifoundation.org/#/home</a>		
<b>Company Email:</b>	www.ybifoundation.org	<b>Company Contact:</b>	9667987711

\* Attach internship Completion certificate at the end.

**Student Name: Prathamesh Dandage**

**Industry Supervisor Name: Dr. Alok Yadav**

**Verification url:** <https://workdrive.zohopublic.in/file/svqn3ab549e2c7dc2483095e5192891bf212c>

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**Week 1 Diary**

**Week Starting**

**Date: 20/12/2023**

<b>Day</b>	<b>Date</b>	<b>Work done</b>
Wednesday 01	20/12/23	INTRODUCTION TO PYTHON AND ANALYTICS
Thursday 02	21/12/23	1) INTRODUCTION TO GOOGLE COLABNOTEBOOK.IPYNB 2) PYTHON LIBRARIES
Friday 03	22/12/23	1) READ DATA AS DATA FRAME 2) EXPLORE DATA FRAME
Saturday 04	23/12/23	UPGRADE KAGGLE FOR FREE

**Comments by Supervisor or Manager (If any) :**

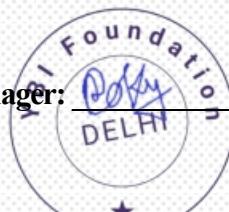
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**Signature by Student:** \_\_\_\_\_

**Signature by Supervisor or Manager:** \_\_\_\_\_



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**Week 2 Diary**

**Week Starting**

**Date:26/12/2023**

<b>Day</b>	<b>Date</b>	<b>Work done</b>
01	26/12/23	TRAIN TEST SPLIT
02	27/12/23	LINEAR REGRESSION MODELS 1) SIMPLE LINEAR REGRESSION 2) MULTIPLE LINEAR REGRESSION
03	28/12/23	LOGISTIC REGRESSION MODELS 1) BINARY CLASSIFICATION 2) MUTI CLASS CLASSIFICATION
04	29/12/23	PRACTICE PROJECTS DONE 1) CHANCE OF ADMISSION PREDICTION

**Comments by Supervisor or Manager (If any) :**

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**Signature by Student:** \_\_\_\_\_

**Signature by Supervisor or Manager:** \_\_\_\_\_



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**Week 3 Diary**

**Week Starting**  
**Date:01/01/2024**

<b>Day</b>	<b>Date</b>	<b>Work done</b>
01	01/01/24	ICE CREAM SALES REVENUE PREDICTION
02	02/01/24	CANCER PREDICTION
03	03/01/24	FISH WEIGHT PREDICTION

**Comments by Supervisor or Manager (If any) :**

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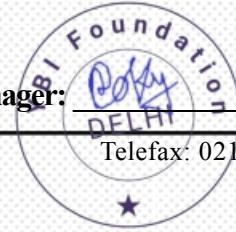
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**Signature by Student:** \_\_\_\_\_

**Signature by Supervisor or Manager:** \_\_\_\_\_



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**Week 4 Diary**

**Week Starting date: 08/01/24**

<b>Day</b>	<b>Date</b>	<b>Work done</b>
01	08/01/24	PURCHASE PREDICTION AND MICRONUMEROSEITY
02	09/01/24	CREDIT CARD DEFAULT PREDICTION
03	10/01/24	FINAL PROJECT WOMEN CLOTH PREDICTION
04	20/01/24	FINAL QUIZ MCQ EXAM

**Comments by Supervisor or Manager (If any) :**

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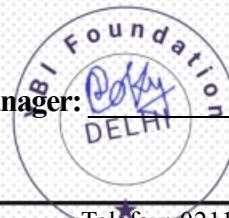
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**Signature by Student:** \_\_\_\_\_

**Signature by Supervisor or Manager:** \_\_\_\_\_





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**Internship Certificate**

14364000014944098

**Certificate of Completion**

*presented to*

**Prathmesh Dandage**

has successfully completed one month Python Programming with Data Structures and Algorithms certificate program cum internship on Thursday, Jan 18 2024 at Ybi Foundation



Credential ID: FT0IBFWWJNIF9

Ybi Foundation



verify at <https://www.ybifoundation.org/certificate-validation>

[www.ybifoundation.org](http://www.ybifoundation.org) (+91) 9667987711 support@ybifoundation.org



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**Feedback of Student**  
**[To be taken after completion of Internship]**

**Name of Student :** Prathamesh Manohar Dandage

<b>Attendance</b>	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Acceptable	<input type="checkbox"/> Needs Attention
<b>Punctuality</b>	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Acceptable	<input type="checkbox"/> Needs Attention
<b>Suitability of Office Attire</b>	<input type="checkbox"/> Good	<input checked="" type="checkbox"/> Acceptable	<input type="checkbox"/> Needs Attention
<b>Ability to Communicate</b>	<input type="checkbox"/> Good	<input type="checkbox"/> Acceptable	<input checked="" type="checkbox"/> Needs Attention
<b>Behavior</b>	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Acceptable	<input type="checkbox"/> Needs Attention
<b>Industry Skills</b>	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Acceptable	<input type="checkbox"/> Needs Attention
<b>Working without supervision</b>	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Acceptable	<input type="checkbox"/> Needs Attention
<b>Working as part of a Team</b>	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Acceptable	<input type="checkbox"/> Needs Attention
<b>Working Safely</b>	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Acceptable	<input type="checkbox"/> Needs Attention
<b>Flexibility</b>	<input type="checkbox"/> Good	<input checked="" type="checkbox"/> Acceptable	<input type="checkbox"/> Needs Attention
<b>Interest shown</b>	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Acceptable	<input type="checkbox"/> Needs Attention
<b>Organizing own work</b>	<input type="checkbox"/> Good	<input checked="" type="checkbox"/> Acceptable	<input type="checkbox"/> Needs Attention
<b>Attitude to work</b>	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Acceptable	<input type="checkbox"/> Needs Attention
<b>Relationship with Supervisor</b>	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Acceptable	<input type="checkbox"/> Needs Attention

**Additional comments:**

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**Manager's or Supervisor's Signature**



**Date:**