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## **1.OBJECTIVES/ GUIDELINES/ AGREEMENT: INTERNSHIP SYNOPSIS (IS TO BE PREPARED IN CONSULTATION WITH FACULTY MENTOR)**

An internship is a unique learning experience that integrates studies with practical work. This agreement is written by the student in consultation with the faculty Mentor and Industrial supervisor. It shall serve to clarify the educational purpose of the internship and to ensure an understanding of the total learning experience among the principal parties involved.

### **Part I: Contact Information**

#### **Student**

Name: Mr. Devrat Yashraj Deepak Student ID# 2237031 Class Year: TE

Campus Address: Baramati - 413102, Maharashtra

City, State: Baramati , Maharashtra

Phone: +919011453042 Email: yashraj.devrat.aids.2020@vpkbiet.org

#### **Industrial Supervisor**

Name: Mr.Aman Kesarwani Title: Data Science

Company/Organization: Lets Grow More

Internship Address: Allahabad - 211001 , Uttar Pradesh

City, State, Pin: Allahabad , Uttar Pradesh - 211001

Phone: +917395094111 Email: letsgrowmore@gmail.com

#### **Faculty Mentor**

Name: Mr. Digambar Padulkar Phone: +919420172174

Campus Address: Baramati - 413102, Maharashtra

#### **Academic Credit Information**

Internship Title: Data Science Intern Department: AI and DS

Course #: Artificial Intelligence & Data Science Credits:



# Vidya Pratishthan's Kamalanayan Bajaj Institute of Engineering Technology, Baramati

Grading Option: \_\_\_\_\_ Credit/Non-credit

\_\_\_\_\_ Beginning Date: 01/03/2023

Ending Date: 01/04/2023

Hours per Week: Five Internship is: Unpaid



## **Part II: Internship Objectives/Learning Activities**

**Internship Objectives:** What do you intend to learn, acquire and clarify through this internship? Try to use concrete, measurable terms in listing your learning objectives under each of the following categories:

- Gaining practical experience
- Building a professional network
- Developing new skills
- Applying theoretical knowledge

**Learning Activities:** How will your internship activities enable you to acquire the knowledge/understanding, and skills you listed above?

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Internships can be a great opportunity for students or entry-level professionals to gain practical experience and develop new skills in their chosen field. Through my interactions with users, I have learned that internships can help individuals acquire knowledge and understanding of various aspects of the industry they are interested in, such as business operations, marketing strategies, project management, and technical skills.

**On the job:** Describe how your internship activities will enable you to meet your learning objectives. Include projects, research, report writing, conversations, etc., which you will do while working, relating them to what you intend to learn.

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1. **Projects:** Interns can work on projects that are related to their field of study or career interests. These projects can help them apply their knowledge and skills in a real-world setting and develop new skills as they tackle challenges and solve problems. For example, an intern in a



marketing firm may be tasked with developing a social media campaign for a client.

2. **Research:** Interns may be asked to conduct research on various topics related to their field or the organization they are working for. This can help them gain a deeper understanding of the industry and develop their research skills. For example, an intern in a healthcare organization may be asked to research new treatments for a specific disease.
3. **Report Writing:** Interns may be asked to write reports on their projects or research findings. This can help them develop their communication and writing skills and learn how to present their ideas and findings in a clear and concise manner.
4. **Conversations:** Interns can learn a lot from conversations with their colleagues and supervisors. These conversations can help them gain insights into the industry, learn about career paths and opportunities, and develop their professional networks.

**Teaching/Mentoring Activities:** How your technical knowledge can be applied at the site of the internship. How you can create value through mentoring/helping people learn new things.

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During an internship, interns can apply their technical knowledge in a variety of ways, depending on the nature of the internship and the organization they are working for. For example, an intern in a software development company may be able to use their programming skills to help develop a new application, while an intern in a research organization may use their statistical analysis skills to analyze data.

In addition to applying their technical knowledge to specific tasks, interns can also create value through mentoring and helping others learn new things. This can include:

1. **Sharing knowledge and skills:** Interns can share their technical knowledge and skills with their colleagues and other interns. For example, an intern with expertise in a particular programming language can share their knowledge and help others improve their skills in that language.



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2. Providing support and guidance: Interns can provide support and guidance to their colleagues and other interns who may be struggling with technical concepts or tasks. This can help create a more collaborative and supportive environment, where everyone feels comfortable asking questions and seeking help when needed.
3. Offering new perspectives: Interns can bring fresh perspectives and ideas to the organization they are working for, based on their technical knowledge and experience. This can help drive innovation and create new opportunities for growth and development.

**Off the job:** List reading, writing, contact with faculty supervisor, peer group discussion, field trips, observations, etc., you will make and carry out which will help you meet your learning objectives.

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Yes ! Definitely .

**Evaluation:** Your Internship supervisor will provide a written evaluation of your internship. Describe in detail what other evidence you will provide to your faculty Mentor to document what you have learned (e.g. journal, analytic paper, project, descriptive paper, oral presentation, etc.) Include deadline dates.

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1 Journal: I can keep a journal throughout my internship, documenting my daily activities, thoughts, and reflections. This can help me to identify areas where I have grown and learned new skills.

2 Project: I can undertake a project during my internship that demonstrates the skills and knowledge I have acquired.

3. Oral presentation: I can give an oral presentation to my faculty mentor, discussing my internship experience, what I have learned, and how I plan to apply my new skills .



### **Part III: The Internship**

**Job Description:** Describe in as much detail as possible your role and responsibilities while on your internship. List duties, projects to be completed, deadlines, etc. How can you contribute to the organization/site of internship.

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- Role and responsibilities :
  - To research, modify, and apply data science and data analytics prototypes.
  - To create and construct methods and plans for Data Science.
  - To create Data Science applications in accordance with client or customer needs.
  - To investigate, test, and put into practice appropriate ML tools and algorithms.
  - To evaluate the application cases and problem-solving potential of ML algorithms and rank them according to success likelihood.
  - Completing task before deadline.
- Task Names and Methodology used to solve them :

### **Task 1 : Iris Flower dataset classification Machine Learning Project**

- ML algorithms can accurately classify iris flower species based on their characteristics. The selected algorithm's accuracy depends on various factors such as the quality of the data, feature selection, model selection, and hyperparameter tuning.
- The accuracy of the model can be improved by selecting the appropriate machine learning algorithm for example Decision Tree , Naive Bayes , KNN, SVM etc.
- As the dataset is very small it does require scaling or doing any transformation . Also this dataset has less redundancy .



- This activity comes under supervised learning as we know the target values and try to predict our models accuracy using various Machine Learning algorithms.
- The iris flower data set is a widely used data set in machine learning, and the analysis of this data set can serve as a basis for understanding and analyzing other classification problems.
- The four features of the iris flower data set - sepal length, sepal width, petal length and petal width - are the most significant factors in distinguishing between the three species. These features can help in accurately classifying the iris flowers, and similar features may be used in other classification problems.

## • **Task 2 : Stock Market Analysis Using LSTM Network**

- In doing analysis of stock market I came to various attributes of dataset. Stock Price dataset has various attributes just like total trade quantity , turnover and much more.
- I did scaling of the dataset as it is very large and tried to get good results and prediction for stock market .
- A model like this would be very valuable for a real state agent who could make use of the information provided in a daily basis.
- In this project, stock market data predicted explanatory variables that cover many aspects of real attributes . The goal of this project is to create a LSTM model that is able to accurately estimate the price of the given the features.

**Supervision:** Describe in as much detail as possible the supervision to be provided/needed at the work site. List what kind of instruction, assistance, consultation you will receive from whom, etc.

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Mr. Aman Kesarwani he is my mentor throughout internship and as its online internship sol recieve instruction before starting internship like submit your tasks before deadline and write quality code for your tasks.

**Evaluation:** How will your work performance be evaluated? By whom? When?

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Mr. Aman Kesarwani evaluated my performance during internship and they did this after submitting tasks on google drive link provided by the organization.



**Part IV: Agreement**

This contract may be terminated or amended by student, faculty coordinator or work supervisor at any time upon written notice, which is received and agreed to by the other two parties.

Student Mr. Devrat Yashraj Deepak

Date 01/03/2023

Faculty Mentor Mr. Digambar Padulkar

Date 01/04/2023

Industry Supervisor Mr. Amar Kesarwani

Date 07/02/2023





### 3. Students Daily Attendance

Name & Address of Organization :

Vidya Pratishthan's Kamalnayan

Bajaj Institute of Engineering

and Technology.

Baramati - 413102

Name of Student	Mr. Devrat Yashraj Deepak
Roll. No	2237031(T190352011)
Name of Course	TE - Artificial Intelligence & Data Science
Date of Commencement of Training.:	01/03/23
Date of Completion of Training:	01/04/23

Initials of the student :

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Month & Year																												
Jan-2023																												

Note :

1. Attendance Sheet should remain affixed in Daily Training Diary. **Do not remove or tear it off.**
2. Students should sign/initial in the attendance column. Do not mark 'P'
3. Holidays should be marked in **Red Ink** in the attendance column. Absent should be marked as '**A**' in **Red Ink**.

Signature of Company internship

supervisor / Dept. Mentor with

company stamp/ seal

(Name \_\_\_\_\_) Contact No.



#### 4.SUPERVISOR EVALUATION OF INTERN

Student Name: \_\_\_\_\_ Mr. \_\_\_\_\_ Devrat \_\_\_\_\_ Yashraj \_\_\_\_\_  
Deepak \_\_\_\_\_ Date: \_\_\_\_\_

Work Supervisor: Mr.

Aman Kesarwani Title: Data Science

Intern \_\_\_\_\_

Company/Organization: Lets Grow More . Allahabad

Internship Address: J a s r a , Uttar Pradesh, India - 211001

Dates of Internship: From 01/03/2023 To 01/04/2023

Please evaluate your intern by indicating the frequency with which you observed the following behaviors:

Parameters	Needs Improvement	Satisfactory	Good	Excellent
Behaviors				
Performs in a dependable manner				
Cooperates with co-workers and supervisors				
Shows interest in work				
Learns quickly				
Shows initiative				
Produces high quality work				
Accepts responsibility				
Accepts criticism				
Demonstrates organizational skills				
Uses technical knowledge and expertise				
Shows good judgment				
Demonstrates creativity/originality				
Analyzes problems effectively				
Is self-reliant				
Communicates well				



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Writes effectively				
Has a professional attitude				
Gives a professional appearance				
Is punctual				
Uses time effectively				



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Overall performance of student intern (circle one):

(Needs improvement/ Satisfactory/ \_\_\_\_\_ Good/ \_\_\_\_\_ Excellent)

Additional comments, if any:

Signature of Industry supervisor \_\_\_\_\_ HR Manager

### 5. STUDENT FEEDBACK OF INTERNSHIP (TO BE FILLED BY STUDENTS AFTER INTERNSHIP COMPLETION)

Student Name: Mr. Devrat Yashraj  
Deepak

Date: 07/02/2023

Title: Data Science Intern

Industrial Supervisor: Mr. Aman  
Kesarwani

Internship is: Paid Unpaid unpaid

Supervisor

Email: letsgrowmoreinfo@gmail.com

Company/Organization: Data Science Intern's

Internship Address: J a s r a , Uttar Pradesh , India - 211001

Faculty Coordinator: Mr. Digambar

Department: AI & DS To

Padulkar Dates of Internship: From:

01/04/2023

01/03/2023

\*\*\*Please fill out the above in full detail\*\*\*

Give a brief description of your internship work (title and tasks for which you were responsible): Was your internship experience related to your major area of study?



\_\_\_\_\_Yes, to a large degree\_\_\_\_\_Yes, to a slight degree\_\_\_\_\_No, not  
related at all. Indicate the degree to which you agree or disagree with the following  
statements.

This experience has:	Strongly Agree	Agree	No Opinion	Disagree	Strongly Disagree
Given me the opportunity to explore a career field					
Allowed me to apply classroom theory to practice					
Helped me develop my decision-making and problem-solving skills					
Expanded my knowledge about the work world prior to permanent employment					
Helped me develop my written and oral communication skills					
Provided a chance to use leadership skills (influence others, develop ideas with others, stimulate decision-making and action)					
Expanded my sensitivity to the ethical implications of the work involved					



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Made it possible for me to be more confident in new situations					
Given me a chance to improve my interpersonal skills					
Helped me learn to handle responsibility and use my time wisely					
Helped me discover new aspects of myself that I didn't know existed before					
Helped me develop new interests and abilities					
Helped me clarify my career goals					
Provided me with contacts which may lead to future employment					
Allowed me to acquire information and/ or use equipment not available at my Institute					



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In the Institute internship program, faculty members are expected to be mentors for students. Do you feel that your faculty coordinator served such a function? Why or why not?

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- In an internship program, faculty members are expected to serve as mentors for students by providing guidance, support, and feedback throughout the internship experience. This can include helping students set goals, identifying learning opportunities, providing constructive criticism, and offering career advice.
- Whether or not a faculty coordinator fulfills this role can depend on several factors, such as their level of involvement, availability, and expertise in the field. If the faculty coordinator is actively engaged with the students, regularly checking in with them, providing feedback, and helping them navigate any challenges that arise, then they are likely serving as a mentor. On the other hand, if the faculty coordinator is less involved or unavailable, then students may not feel that they are receiving the support and guidance they need.

How well were you able to accomplish the initial goals, tasks and new skills that were set down in your learning contract? In what ways were you able to take a new direction or expand beyond your contract? Why were some goals not accomplished adequately?

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During my Data Science Internship, I would have been provided with a learning contract that outlined the initial goals, tasks, and new skills that I was expected to accomplish during my internship. In my opinion, my ability to

accomplish these goals would depend on various factors, including the clarity of the learning contract, the support provided by my supervisor, and my own dedication and efforts.

If I was able to fulfill the goals and tasks set out in the learning contract, it would have been



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a significant accomplishment for me. Additionally, if I could acquire new skills beyond the learning contract, it would have been an added benefit to my internship experience. This could include taking on additional responsibilities or exploring new areas of Data Science that were not initially included in the contract.

However, some goals may not have been accomplished adequately due to various reasons. It could be due to a lack of clarity in the learning contract or insufficient guidance and support from my supervisor. Additionally, unforeseen challenges or unexpected circumstances could have also affected my ability to accomplish certain goals or tasks.

In such cases, it would have been essential to communicate with my supervisor and seek clarification or guidance on how to move forward. It's also important to reflect on the reasons why certain goals were not achieved and learn from those experiences to improve my skills and approach in future internships.

In what areas did you most develop and improve?

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Data Science

What has been the most significant accomplishment or satisfying moment

of your internship? What did you dislike about the internship?

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The most significant accomplishment of my Data Science internship would have been successfully completing the assigned tasks and receiving a completion certificate. As a Data Science Intern, I would have been responsible for analyzing and interpreting large sets of data and presenting insights to the organization. If I were able to fulfill these duties to the best of my abilities and satisfy the requirements of the organization, it would have been a gratifying experience.

However, since my internship was entirely online, without any interaction sessions with the organization, I may have missed out on the opportunity to learn from experienced Data





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Science engineer with a professionals in the field. I may have also found it challenging to get feedback and guidance on my work, which could have hindered my growth as a data scientist. This lack of interaction and guidance may have been a downside of the internship, but I would have still made the most of the experience by working diligently on the tasks assigned to me and enhancing my Data Science skills.

Considering your overall experience, how would you rate this

internship? (Circle one). (Satisfactory/ Good/ Excellent)

Give suggestions as to how your internship experience could have been improved. (Could you have handled added responsibility? Would you have liked more discussions with your professor concerning your internship? Was closer supervision needed? Was more of an orientation required?)

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In my opinion, my Data Science Internship experience could have been improved in several ways. Firstly, I would have appreciated more orientation and training before starting my tasks. This could have included more information on the organization's goals, culture, and expectations for my role as a Data Science Intern. Additional training on tools and techniques specific to the organization's Data Science operations could have also been helpful.

Furthermore, since my internship lacked interaction sessions with the organization, I would have benefitted from closer supervision or more frequent check-ins from my supervisor. This would have given me a better sense of the organization's expectations for my work, and any feedback would have been helpful for me to improve my skills.

Additionally, if the organization had provided me with more responsibility or challenging tasks, I could have gained more valuable experience and developed my Data Science skills further. I would have enjoyed discussing my progress and goals with my supervisor or professor, and receiving feedback or suggestions to improve my work.

Overall, more orientation, closer supervision, and additional responsibility could have improved my Data Science Internship experience and helped me become a better Data Science engineer.



## **6.EVALUATION OF INTERNSHIP BY INSTITUTE**

### **DEPARTMENT OF TRAINING AND PLACEMENT**

Ph. \_\_\_\_\_ Fax \_\_\_\_\_ Email \_\_\_\_\_

Evaluation (I) \_\_\_\_\_

1. Name of Student Devrat Yashraj Deepak  
\_\_\_\_\_ Mob. No. 9011453042
2. College Roll No.2237031 \_\_\_\_\_ University Roll No. T190352011
3. Branch/Semester AIDS \_\_\_\_\_ Period of Training \_\_\_\_\_
4. Home Address with contact No. \_\_\_\_\_
5. Address of Training Site: \_\_\_\_\_
6. Address of Training Providing Agency:  
\_\_\_\_\_
7. Name/Designation of Training In- charge  
\_\_\_\_\_
8. Type of Work \_\_\_\_\_
9. Date of Evaluation \_\_\_\_\_

- a)Attendance: \_ (Satisfactory/ Good/ Excellent)
- b)Practical Work: (Satisfactory/ Good/ Excellent
- c)Faculty's Evaluation: \_ (Satisfactory/ Good/ Excellent)
- d)Evaluation of Industry: (Satisfactory/ Good/ Excellent)

**Overall grade:** (Satisfactory/ Good/ Excellent)



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**Signature of Faculty Mentor**

**Signature of**

**Internship**

**Supervisor**

**(Industry) With**

**date and stamp**



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\*Photocopy of the attendance record duly attested by the training in-charge should be attached with the evaluation Proforma.

### INTERNSHIP EVALUATION REPORT

(For 4 years Degree Programme. / M.Tech. & MBA )

Name & Address of Organization

Vidya Pratishthan's Kamalnayan

Bajaj Institute of Engineering

and Technology.

Baramati - 413102

Sr. No.	Name of Student	Roll No.	Marks to be awarded by			OVERALL GRADE
			Punctuality Grade (Satisfactory / Good/ Excellent )	Maintenane of Daily Diary Grade (Satisfactory / Good/ Excellent)	Skill Test Grade (Satisfactory /Good/ Excellent)	



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### **Photograph**