

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI**



**AN INTERNSHIP REPORT ON**

**C & DATA STRUCTURES AND PYTHON**

**By:-**

**ABDUL AZEEZ**

**4AL21CG001**

**Under the Guidance of  
Mr. Prashanth Kumar  
Assistant Professor**



**DEPARTMENT OF COMPUTER SCIENCE & DESIGN  
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY  
MOODBIDRI-574225, KARNATAKA 2022 – 2023**




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Mr. Prashanth Kumar  
Internship Co-ordinator  
Dept. of CSE, AIET



Prof. Venugopal Rao  
HOD  
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# C & DATA STRUCTURE

## INTRODUCTION

C is a general purpose computer programming language .It was created in the 1970s by Dennis ritchie, and remains very widely used and influential.

## FEATURES OF C PROGRAMMING:

- Simple and Efficient. The basic syntax style of implementing C language is very simple and easy to learn.
- Fast.
- Portability.
- Extensibility.
- Function-Rich Libraries.
- Dynamic Memory Management.
- Modularity With Structured Language.
- Mid-Level Programming Language.

## GENERAL STRUCTURE OF C PROGRAMMING:

Any programming language has a basic structure which it follows. likewise c language also has a basic structure which it follows.

**C program** is divided into six sections: Documentation, Link, Definition, Global Declaration, Main() Function, and Subprograms. While the main section is compulsory, the rest are optional in the structure of the C program. The order which it follows is given below

### DOCUMENTATION SECTION

### LINK SECTION

### DEFINITION SECTION

### GLOBAL DECLARATION SECTION

### main fuction()

```
{
.....
.....
}
```

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C AND DATA STRUCTURE**

**By**

**ABHISHEK E B**

**4AL21CG002**

**Under the Guidance of**

**Mr . Prashanth**

**Kumar**



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A handwritten signature in red ink, appearing to be "Prashanth Kumar", written over a horizontal line.

Mr. Prashanth Kumar

Internship Co-coordinator, CSE

A handwritten signature in black ink, appearing to be "Venugopal Rao", written over a horizontal line.

Prof. Venugopal Rao

Head of The Department, CSD

## **C & DATA STRUCTURES :**

**The C programming language is a procedural and general-purpose language that provides low-level access to system memory. A program written in C must be run through a C compiler to convert it into an executable that a computer can run.**

**Data structures in C are used to store the data in an organized and efficient manner. The C has many data structures such as array, stack, queue , linked list ,tree etc.**

### **The main features of the C language include**

- . General Purpose and Portable**
- . Low-level Memory Access**
- . Fast Speed**
- . Clean Syntax**

**These features make the C language suitable for system programming like an operating system or compiler development.**

### **STRUCTURE OF C PROGRAM:**

**All human beings have a definite structure, i.e., head, neck, and four limbs connected to a torso. Almost everything has a definite structure. Likewise, in the case of programming languages, all of them have a definite**

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**By**

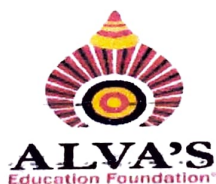
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**Assistant Professor**



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Prof. Venugopal Rao  
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**ABHISHEK N C**

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**AN INTERNSHIP REPORT ON**

**C AND DATA STRUCTURES /PYTHON  
PROGRAMMING**

**By**

**Adarsh Bhavimane 4AL21CG004**

**Under the Guidance of**

**DEEPIKA KAMATH, DR S M BADHUSHA,**

**DEEKSHA&MANJUTH H R**

**Assistant Professor**



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This is to certify that **ADARSH BHAVIMANE** bearing USN **4AL21CG004** has successfully completed the **C AND DATA STRUCTURE/PYTHON PROGRAMMING** internship and submitted a report during the academic year 2022–23 odd Semester. It is certified that all corrections/suggestions indicated in the presentation session have been incorporated into the report & and scored \_\_\_\_Marks out of 100 and deposited in the departmental library.

  
Mr. Prashanth Kumar

Internship Co-coordinator, CSE

  
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**Adarsh Bhavimane**

**4AL21CG004**

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**AN INTERNSHIP REPORT ON  
WEB DEVELOPMENT**

**By**

**ALEX TAYENJAM      4AL21CG005**

**Under the Guidance of**

**Mr. Pradeep V**

**Assistant Professor**



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This is to certify that **Alex Tayenjam** bearing USN **4AL21CG005** has successfully completed **Web Development** internship and submitted a report during the academic year 2022–23 odd Semester. It is certified that all corrections/suggestions indicated in the presentation session have been incorporated into the report & scored \_\_\_\_\_ Marks out of 100 and deposited in the departmental library.

Mr. Pradeep V  
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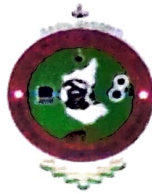
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**AN INTERNSHIP REPORT ON**

**C AND DATA STRUCTURE**

**ANUSHA N T    4AL21CG006**

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Prof. Venugopal Rao  
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**AN INTERNSHIP REPORT ON  
ROBOTIC PROCESS AUTOMATION**

**By**

**Ashish Bhutkar**

**6612101007**

**Under the Guidance of**

**Mr. Sharad Laxmal Patil**

**Assistant Professor**

**Dept of ESE**



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**4AL21CG007**

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**AN INTERNSHIP REPORT ON  
WEB DEVELOPMENT**

**By**

**ASHWIN K S**

**4AL21CG008**

**Under the Guidance of  
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Assistant Professor**



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ASHWIN K S

4AL21CG008

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AN INTERNSHIP REPORT ON

**INTERNET OF THINGS(IoT)**

**B PRAKASH 4AL21CG009 /CSD**

Under the Guidance of

**Nagesh U.B**

Assistant Professor



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**Prof. Venugopala Rao A S  
Internship Co-ordinator & Head, CSD**



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B PRAKASH

4AL21CG009

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**AN INTERNSHIP REPORT ON**

**C & DATA STRUCTURES AND PYTHON**

**By**

**BALAJI SATISH KULKARNI**

**4AL21CG010**

**Under the Guidance of**

**Mr. Prashanth Kumar**

**Assistant Professor**



**DEPARTMENT OF COMPUTER SCIENCE AND DESIGN  
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Prof. Venugopal Rao  
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**BALAJI SATISH KULKARNI**

**4AL21CG010**



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AN INTERNSHIP REPORT ON

**INTERNET OF THINGS(IoT)**

**BHARAT 4AL21CG011 /CSD**

Under the Guidance of

**Nagesh U.B**

Assistant Professor



DEPARTMENT OF COMPUTER SCIENCE & DESIGN ENGINEERING  
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**Prof. Venugopala Rao A S**  
**Internship Co-ordinator & Head, CSD**

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BHARAT

4AL21CG011

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
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**Internship Report**



**On**

**“ANDROID DEVELOPMENT”**

**Submitted by**

**BHAVISH M K 4AL21CG012**

**Submitted to**

**VENUGOPAL RAO**

**HEAD OF THE DEPARTMENT**

**Department of COMPUTER SCIENCE AND DESIGN**



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**2022-23**

**Under the Guidance of-**

**Mrs.Reena Lobo**



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Mrs. Reena Lobo  
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Dept. of CSE, AIET

Prof. Venugopal Rao  
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## ACKNOWLEDGEMENT

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We thank our Subject Faculty **Mrs.Reena Lobo** Assistant Professor in the Department of Computer Science And Engineering who has been source of inspiration. She has been especially enthusiastic in giving her valuable guidance and critical reviews.

We sincerely thank **Prof. Venugopal rao**, Professor and Head of the Department of Computer science and Design Engineering who has been the constant driving force behind the completion of the group task.

We thank our beloved Principle, **Dr.Peter Fernandes**, for his constant help and support throughout.

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Also, we thank all the teaching and non-teaching staff of the Department of Computer Science and Design for the help renderd.



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI**



**AN INTERNSHIP REPORT ON**

**CYBER SECURITY WITH KALI - LINUX**

**By**

**Chandan Kumar M**

**4AL21CG013**

**Under the Guidance of  
Mr.Prashanth kumar**

**Assistant Professor**



**DEPARTMENT OF COMPUTER SCIENCE & DESIGN**

**ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY**

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**Mr. Prashanth Kumar**  
**Faculty Co-ordinator**  
**Dept. of CSE**

**Prof. Venugopala Rao**  
**Dept. of CSD, AIET**

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We thank our Subject Faculty, **Venugopala Rao A S**, Assistant Professor in the Department of Computer Science & Design Engineering, who has been our source of inspiration. He has been especially enthusiastic in giving his valuable guidance and critical reviews.

We sincerely thank **Venugopala Rao A S**, Professor and Head of the Department of Computer Science & Design Engineering who has been the constant driving force behind the completion of the group task.

We thank our beloved Principal, **Dr. Peter Fernandes**, for his constant help and support throughout.

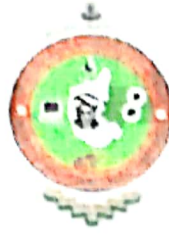
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**Chandan Kumar M**

**4AL21CG013**

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI**



**AN INTERNSHIP REPORT ON  
IOS APP DEVELOPMENT**

**By**

**CHINMAY T N**

**4AL21CG014**

**Under the Guidance of**

**Mr. Mahesh Naik**

**Internship Trainer**



**DEPARTMENT OF COMPUTER SCIENCE & DESIGN ENGINEERING  
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY**

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We thank our Internship Mentor, **Mr. Mahesh Naik**.

We sincerely thank **Prof. VENUGOPAL RAO**, Professor and Head of the Department of Computer Science & Design Engineering who has been the constant driving force behind the completion of the group task.

We thank our beloved Principal, **Dr. Peter Fernandes**, for his constant help and support throughout.

We are indebted to the **Management of Alva's Institute of Engineering and Technology, Mijar, Moodbidri** for providing an environment that helped us in completing our internship.

**CHINMAY T N. 4AL21CG014**

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI**



**AN INTERNSHIP REPORT ON  
ROBOTIC PROCESS AUTOMATION**

**By  
DARSHAN RAI  
4AL21CG015**

**Under the Guidance of  
Mr. Sharan Lionel Pais  
Assistant Professor**

**Dept of ISE**



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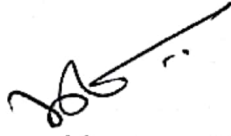
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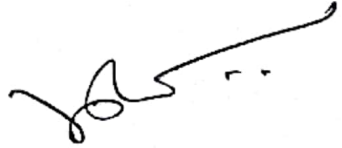
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So, with gratitude we acknowledge all those whose guidance and encouragement served as beacon of light and crowned the effort with success.

We thank our Subject Faculty, **Mr. Sharan Lionel Pais**, Assistant Professor in the Department of Information Science and Engineering, who has been our source of inspiration. He has been especially enthusiastic in giving his valuable guidance and critical reviews.

We sincerely thank **MR. Venugopal Rao** Professor and Head of the Department of Computer Science and Design Engineering who has been the constant driving force behind the completion of the group task.

We thank our beloved Principal, **Dr. Peter Fernandes**, for his constant help and support throughout.

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**DARSHAN RAI 4AL21CG015**

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**AN INTERNSHIP REPORT ON**

**C AND DATA STRUCTURE**

**DEEKSHITH ACHARYA 4AL21CG016**

**Under the Guidance of**

**Mr Prashant Kumar**

**Assistant Professor**



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**Mr. Prashanth Kumar**

**Faculty Co-coordinator, CSE**

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**Prof. Venugopal Rao**

**Head of The Department, CSD**

## ACKNOWLEDGEMENT

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Also, we thank all the teaching and non-teaching staff of the Department of Computer Science & Engineering for the help rendered.

**DEEKSHITH ACHARYA    4AL21CG016**

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,**

**BELAGAVI-590 018**



**AN INTERNSHIP REPORT ON**

## **WEB DEVELOPMENT**

**BY**

**DEEPASHREE G NAIK**  
**4AL21CG017**

**Under the Guidance of**

**Mr. Pradeep V**  
**Assistant Professor**



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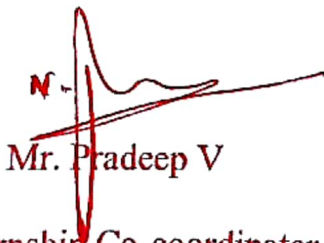


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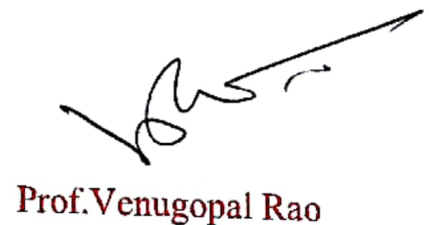
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Mr. Pradeep V

Internship Co-coordinator, ISE



Prof. Venugopal Rao

Head of The Department, CSD



## ACKNOWLEDGEMENT

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Also, we thank all the teaching and non-teaching staff of the Department of Computer Science & Engineering for the help rendered.

**Deepashree G Naik**

4a121cg017



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI**



**AN INTERNSHIP REPORT ON**

**C & DATA STRUCTURES AND PYTHON**

**By:-**

Deradiga Roohni Narayan HAL21CG018

**Under the Guidance of  
Mr. Prashanth Kumar  
Assistant Professor**



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ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY  
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This is to certify that **DEVADIGA ROSHNI NARAYAN** bearing USN **4AL21CG018** has successfully completed the **C AND DATA STRUCTURE AND PYTHON** internship and submitted a report during the academic year 2022– 23 odd Semester. It is certified that all corrections/suggestions indicated in the presentation session have been incorporated into the report & and scored \_\_\_\_Marks out of 100 and deposited in the departmental library.

A red ink signature of Mr. Prashanth Kumar, written in a cursive style.

Mr. Prashanth Kumar

Internship Co-coordinator, CSE

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Prof. Venugopal Rao

Head of The Department, CSD

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We thank our beloved Principal, **Dr. Peter Fernandes**, for his constant help and support throughout.

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Also, we thank all the teaching and non-teaching staff of the Department of Computer Science & Design for the help rendered.

Devadiga Roshni Narayan HALDICH018

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,**

**BELAGAVI – 590 018**



**AN INTERNSHIP REPORT ON**

**CYBER SECURITY**

**Submitted by**

**STUDENT NAME: Dhanu Sri R**

**USN / Roll No: 4AL21CG019**

**SEM & SECTION: 3<sup>rd</sup> sem & A Section**

**BRANCH: COMPUTER SCIENCE AND DESIGN**

**Under the Guidance of**

**MR. PRASHANT KUMAR**

**Assistant Professor**



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**Mr. Prashanth Kumar**

**Internship Co-coordinator, CSE**

A handwritten signature in black ink, appearing to read "Venugopal", with a long horizontal stroke extending to the right.

**Prof. Venugopal Rao**

**Head of The Department, CSD**



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We thank our Subject faculty **MR. PRASHANT KUMAR**, Assistant Professor, Department of Computer Science & Engineering, who has been our source of inspiration. She has been especially enthusiastic in giving her valuable guidance and critical reviews.

We sincerely thank, **Dr. Manjunath Kotari**, Professor and Head, Department of Computer Science & Engineering who has been the constant driving force behind the completion of the group task.

We thank our beloved Principal **Dr. Peter Fernandes**, for his constant help and support throughout.

We are indebted to **Management of Alva's Institute of Engineering and Technology, Mijar, Moodbidri** for providing an environment which helped us in completing our group task in Database Management System.

Also, we thank all the teaching and non-teaching staff of Department of Computer Science & Engineering for the help rendered.

Name: Dhanu Sri R  
USN: 4AL21CG019

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**AN INTERNSHIP REPORT ON**

**C & DATA STRUCTURES AND PYTHON**

**By**

**DHANUSH A S**

**4AL21CG020**

**Under the Guidance of**

**DEEPIKA KAMATH, DR S M BADHUSHA, DEEKSHA, MANJUNATH H R, MR KIRAN  
RAJ**

**Assistant professor**

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Mr. Prashanth Kumar

Internship Co-coordinator, CSE

A handwritten signature in black ink, appearing to read "Prof. Venugopal Rao".

Prof. Venugopal Rao

Head of The Department, CSD

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## C and Data Structure

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**AN INTERNSHIP REPORT ON**

**C AND DATA STRUCTURE**

**DHANUSH SHENOY 4AL21CG021**

**Under the Guidance of**

**Mr Prashant Kumar**

**Assistant Professor**



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**Internship Co-coordinator, CSE**

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**Prof. Venugopal Rao**

**Head of The Department, CSD**

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**DHANUSH SHENOY      4AL21CG021**

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**AN INTERNSHIP REPORT ON  
IOS APP DEVELOPMENT**

**By**

**DHEERAJ SHETTY**

**4AL21CG022**

**Under the Guidance of**

**Mr. Mahesh Naik**

**Internship Trainer**



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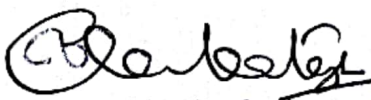
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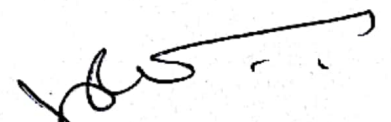
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**DHEERAJ SHETTY**

**4AL21CG022**



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2022– 2023**



**INTERNSHIP REPORT ON:**

**Submitted by** C AND DATA STRUCTURE

**STUDENT NAME:** Eshwarth K.C

**USN NUMBER:** 4AL21CG023.

**SEM & SECTION:** 3<sup>rd</sup> SEM & A SEC

**Submitted to**

**Prof.Venugopal Rao**

**DATE:**30-03-2023



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Mr. Prashanth Kumar

Internship Co-coordinator, CSE



Prof. Venugopal Rao

Head of The Department, CSD

## ACKNOWLEDGEMENT

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**Eshwari K C**

4al21cg023

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI**



**AN INTERNSHIP REPORT ON  
C & DATA STRUCTURES AND PYTHON**

**By:-**

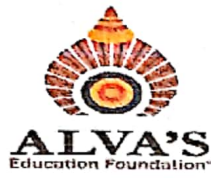
**GHRUTHA VARSHA K.G      4AL21CG024**

**Under the Guidance of  
Mr. Prashanth Kumar  
Assistant Professor**



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ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY  
MOODBIDRI-574225, KARNATAKA 2022 – 2023**





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**MOODBIDRI-574225, KARNATAKA**

**2022 – 2023**

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**Mr. Prathanth Kumar**

**Internship Co-coordinator, CSE**

  
**Prof. Venugopal Rao**

**Head of The Department, CSD**



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**GHRUTHA VARSHA K.G**

**4AL21CG024**

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI**



**AN INTERNSHIP REPORT ON**

**C & DATA STRUCTURES AND PYTHON**

**By:-**

**GIREESHA H**

**4AL21CG025**

**Under the Guidance of**

**DEEPIKA KAMATH, DR. S M BADHUSHA**

**DEEKSHA, MANJUNATH H R**

**MR. KIRAN RAJ**

**Assistant Professor**



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Mr. Kiran Raj

Internship Co-coordinator, CSD

A handwritten signature in black ink, appearing to read "Venugopal Rao", is written over the printed name.

Prof. Venugopal Rao

Head of The Department, CSD

## ACKNOWLEDGEMENT

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**GIREESHA H      4AL21CG025**



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**AN INTERNSHIP REPORT ON**

**ROBOTIC PROCESS AUTOMATION**

**H M TUSHAR**

**4AL21CG026**



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Dept of CSD,AIET



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**H M TUSHAR**

**4AL21CG026**

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
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**AN INTERNSHIP REPORT ON**

**C & DATA STRUCTURES AND PYTHON**

**By:-**

**HARSHITH**

**4AL21CG027**

**Under the Guidance of  
Mr. Prashanth Kumar  
Assistant Professor**



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**Mr. Prashanth Kumar**

**Faculty Co-coordinator, CSE**

**Prof. Venugopal Rao**

**Head of The Department, CSD**



## ACKNOWLEDGEMENT

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HARSHITH 4AL21CG027

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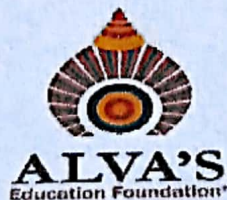


**AN INTERNSHIP REPORT ON**

**ROBOTIC PROCESS AUTOMATION**

**HEMANT MUNAVALLI**

**4AL21CG028**



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ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY  
MOODBIDRI-574225, KARNATAKA 2022 – 2023**



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A handwritten signature in black ink, appearing to be "J. B.", written over the printed name of the Internship Co-ordinator.

**Internship Co-ordinator**

**Dept of CSD, AIET**

A handwritten signature in black ink, appearing to be "J. B.", written over the printed name of the HOD.

**HOD**

**Dept of CSD, AIET**



## ACKNOWLEDGEMENT

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**Hemant Munavalli**

**4AL21CG028**



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BELAGAVI**



**AN INTERNSHIP REPORT ON  
WEB DEVELOPMENT**

**By**

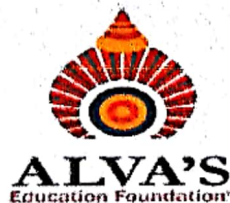
**JAHNAVI V**

**4AL21CG029**

**Under the Guidance of**

**Mr. Pradeep V**

**Assistant Professor**



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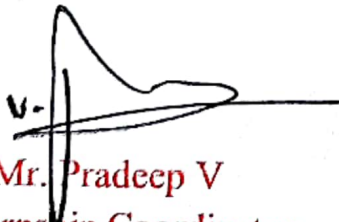


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This is to certify that **JAHNAVI V** bearing USN **4AL21CG029** has successfully completed **Web Development** internship and submitted a report during the academic year 2022–23 odd Semester. It is certified that all corrections/suggestions indicated in the presentation session have been incorporated into the report & scored \_\_\_\_\_ Marks out of 100 and deposited in the departmental library.



**Mr. Pradeep V**  
**Internship Coordinator**  
**Dept. of ISE, AIET**



**Prof. Venugopal Rao**  
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**JAHNAVI V**

**4AL21CG029**

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**AN INTERNSHIP REPORT ON**

**C AND DATA STRUCTURE**

**JAYAPRAKASH P 4AL21CG030**

**Under the Guidance of**

**Mr. Prashanth Kumar**

**Assistant Professor**

**Dept of CSE**



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**Prof. Venugopal Rao**

**Head of The Department, CSD**

A handwritten signature in black ink, appearing to be "Prashant Kumar", written over a horizontal line.

**Mr. Prashant Kumar**

**Mentor, CSE**

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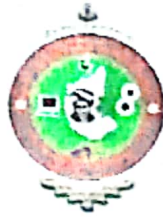
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JAYAPRAKASH P

4AL21CG030

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI - 590 018.**

**Internship Report**



**On**

**“WEB DEVELOPMENT ”**

**Submitted by**

**KARTHIK      4AL21CG031**

**Submitted to**

**VENUGOPAL RAO**

**HEAD OF THE DEPARTMENT**

**Department of COMPUTER SCIENCE AND DESIGN**



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**2022-23**

**Under the Guidance of-**

**Mr.Pradeep V**

**Assistant professor**




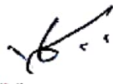
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**Mr. Pradeep V**  
Internship Coordinator  
Dept. of ISE, AIET

  
**Prof. Venugopal Rao**  
HOD  
Dept. of CSD, AIET



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**KARTHIK**

**4AL21CG031**

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI - 590 018.**

**Internship Report**



**On**

**“ANDROID DEVELOPMENT ”**

**Submitted by**

**Karthik P Naik 4AL21CG032**

**Submitted to**

**VENUGOPAL RAO**

**HEAD OF THE DEPARTMENT**

**Department of COMPUTER SCIENCE AND DESIGN**



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**2022-23**

**Under the Guidance of-**

**Mrs.Reena Lobo**



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Mrs. Reena Lobo  
Internship Co-ordinator  
Dept. of CSE, AIET

Prof. Venugopal Rao  
Head of the Department  
Dept. of CSD, AIET

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BELAGAVI**



**AN INTERNSHIP REPORT ON**

**C & DATA STRUCTURES AND PYTHON**

**By**

**KIRAN KUMAR K**

**4AL21CG033**

**Under the Guidance of**

**Mr. Prashanth Kumar**

**Assistant Professor**



**DEPARTMENT OF COMPUTER SCIENCE AND DESIGN  
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY**

**MOODBIDRI-574225, KARNATAKA 2022-2023**



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Mr. Prashanth Kumar  
Faculty Coordinator  
Dept. of CSE, AIET

Prof. Venugopal Rao  
Head Of The Department  
Dept. of CSD, AIET

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**KIRAN KUMAR K**

**4AL21CG033**

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
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**AN INTERNSHIP REPORT ON**

**C AND DATA STRUCTURE**

**LAKSHMISHA K A**

**4AL21CG034**



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**CERTIFICATE**

This is to certify that **LAKSHMISHA K A** bearing USN **4AL21CG034** has successfully completed **C AND DATA STRUCTURE** internship and submitted a report during the academic year 2022– 23 odd Semester. It is certified that all corrections/suggestions indicated in the presentation session have been incorporated into the report & scored      Marks out of 100 and deposited in the departmental library.

A handwritten signature in blue ink, appearing to be "Prashant", written over a horizontal line.

**Mr. Prashant Kumar**

Internship Co-ordinator ,CSE

A handwritten signature in blue ink, appearing to be "Venugopal", written over a horizontal line.

**Prof. Venugopal Rao**

Dept of CSD, AIET

## ACKNOWLEDGEMENT

The satisfaction and euphoria that accompany a successful completion of any task would be incomplete without the mention of people who made it possible. Success is the epitome of hard work and perseverance, but steadfast of all is encouraging guidance.

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We sincerely thank **Mr.Venugopal Rao**, Professor and Head of the Department of Computer Science & Design who has been the constant driving force behind the completion of the group task.

We thank our beloved Principal, **Dr.Peter Fernandes**, for his constant help and support throughout.

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Also, we thank all the teaching and non-teaching staff of the Department of Computer Science & Engineering for the help rendered.

**Lakshmisha K A**

**4AL21CG034**

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,**

**BELAGAVI-590 018**



**AN INTERNSHIP REPORT ON**

## **C AND DATA STRUCTURE**

**BY**

**LIKHITH L  
4AL21CG035**



**DEPARTMENT OF COMPUTER SCIENCE & DESIGN  
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY  
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**2022– 2023**



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This is to certify that **LIKHITH L** bearing USN **4AL21CG035** has successfully completed the **C AND DATA STRUCTURE AND PYTHON** internship and submitted a report during the academic year 2022– 23 odd Semester. It is certified that all corrections/suggestions indicated in the presentation session have been incorporated into the report & and scored 90 Marks out of 100 and deposited in the departmental library.

Mr. Prashanth Kumar

Internship Co-coordinator, CSE

Prof. Venugopal Rao

Head of The Department, CSD



## ACKNOWLEDGEMENT

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Also, we thank all the teaching and non-teaching staff of the Department of Computer Science & Engineering for the help rendered.

**Likhith L**

**4AL21cg035**

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI**



**AN INTERNSHIP REPORT ON**

**IOS APP DEVELOPMENT**

**By**

**MANOJ M**

**4AL21CG036**

**Under the Guidance of**

**Mr. Mahesh Naik**

**Internship Trainer**



**DEPARTMENT OF COMPUTER SCIENCE & DESIGN ENGINEERING  
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**2022-23**



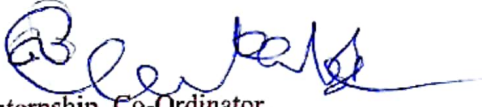
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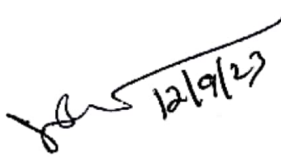
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This is to certify that **Manoj M** bearing USN **4AL21CG036** has successfully completed **IOS APP DEVELOPMENT** internship and submitted a report during the academic year 2022–23 odd Semester. It is certified that all corrections/suggestions indicated in the presentation session have been incorporated into the report & scored \_\_\_\_\_ Marks out of 100 and deposited in the departmental library.

  
Internship Co-Ordinator  
Dept. of CSE, AIET

  
HOD  
Dept. of CSD, AIET

## ACKNOWLEDGEMENT

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We thank our Internship mentor, **Mr. Mahesh Naik**.

We sincerely thank **Prof. Venugopal Rao**, Professor and Head of the Department of Computer Science & Design Engineering who has been the constant driving force behind the completion of the group task.

We thank our beloved Principal, **Dr. Peter Fernandes**, for his constant help and support throughout.

We are indebted to the **Management of Alva's Institute of Engineering and Technology, Mijar, Moodbidri** for providing an environment that helped us in completing our internship.

**Manoj M**

**4AL21CG036**



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI**



**AN INTERNSHIP REPORT ON**

**ROBOTIC PROCESS AUTOMATION**

**By**

**MOHAMMED SAAD**

**4AL21CG037**

**Under the Guidance of  
Mr. Sharan Lionel Pais  
Assistant Professor  
Dept of ISE**



**DEPARTMENT OF COMPUTER SCIENCE AND DESIGN  
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY  
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This is to certify that **MOHAMMED SAAD** bearing USN **4AL21CG037** has successfully completed the **ROBOTICS PROCESS AUTOMATION** internship and submitted a report during the academic year 2022–23 odd Semester. It is certified that all corrections/suggestions indicated in the presentation session have been incorporated into the report & and scored \_\_\_\_ Marks out of 100 and deposited in the departmental library.

  
Faculty Co-ordinator  
Dept of ISE, AIET

  
Internship Co-ordinator  
Dept of CSD, AIET

  
HOD  
Dept of CSD, AIET

## ACKNOWLEDGEMENT

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We thank our Subject Faculty, **Mr. Sharan Lionel Pais**, Assistant Professor in the Department of Information Science and Engineering, who has been our source of inspiration. He has been especially enthusiastic in giving his valuable guidance and critical reviews.

We sincerely thank **Mr. Venugopal Rao** Professor and Head of the Department of Computer Science & Design Engineering who has been the constant driving force behind the completion of the group task.

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Also, we thank all the teaching and non-teaching staff of the Department of Computer Science & Engineering for the help rendered.

**MOHAMMED SAAD 4AL21CG037**

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI**



**AN INTERNSHIP REPORT ON  
IOS APP DEVELOPMENT**

**By**

**NAKUL N**

**4AL21CG038**

**Under the Guidance of  
Mr. Mahesh Naik  
Internship Trainer**



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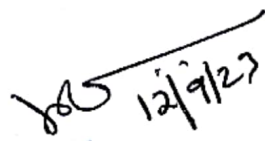
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This is to certify that **NAKUL N** bearing **USN 4AL21CG038** has successfully completed the **IOS APP DEVELOPMENT** internship and submitted a report during the academic year 2022– 23 odd Semester. It is certified that all corrections/suggestions indicated in the presentation session have been incorporated into the report & and scored \_\_\_\_Marks out of 100 and deposited in the departmental library.

  
Mr. Venkatesh bhat

Internship Co-coordinator, ISE

  
Prof. Venugopal Rao

Head of The Department, CSD

## ACKNOWLEDGEMENT

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We thank our Internship Mentor, **Mr. Mahesh Naik**.

We sincerely thank **Prof. VENUGOPAL RAO**, Professor and Head of the Department of Computer Science & Design Engineering who has been the constant driving force behind the completion of the group task.

We thank our beloved Principal, **Dr. Peter Fernandes**, for his constant help and support throughout.

We are indebted to the **Management of Alva's Institute of Engineering and Technology, Mijar, Moodbidri** for providing an environment that helped us in completing our internship.

NAKUL N

4AL21CG038

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BELAGAVI**



**AN INTERNSHIP REPORT ON  
WEB DEVELOPMENT**

**By**

**Nayana S M**

**4AL21CG040**

**Under the Guidance of  
Mr. Pradeep V  
Assistant Professor**



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Mr. Pradeep V  
Internship Coordinator  
Dept. of ISE, AIET

  
Prof. Venugopal Rao  
HOD  
Dept. of CSD, AIET



## ACKNOWLEDGEMENT

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We thank our Subject Faculty, **Mr. Pradeep V**, Assistant Professor in the Department of Information Science & Engineering, who has been our source of inspiration. He has been especially enthusiastic in giving his valuable guidance and critical reviews.

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Nayana S M

4AL21CG040

**VISVESVARAYA TECHNOLOGICAL  
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**AN INTERNSHIP REPORT ON**

**C AND DATA STRUCTURE**

**NISHAAN SHETTY 4AL21CG041**

**Under the Guidance of**

**Mr. Prashanth Kumar**

**Assistant Professor**

**Dept of CSE**



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A handwritten signature in black ink, consisting of a circular loop followed by a vertical stroke.

**Prof. Venugopal Rao**

**Head of The Department,CSD**

A handwritten signature in black ink, featuring a stylized 'P' and 'K' with a diagonal line through them.

**Mr. Prashant Kumar**

**Mentor, CSE**

## ACKNOWLEDGEMENT

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Also, we thank all the teaching and non-teaching staff of the Department of Computer Science & Engineering for the help rendered.

**NISHAAN SHETTY**

**4AL21CG041**



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI - 590 018.**

**Internship Report**



**On**

**“ANDROID DEVELOPMENT”**

**Submitted by**

**Prathviraj k 4AL21CG042**

**Submitted to**

**VENUGOPAL RAO**

**HEAD OF THE DEPARTMENT**

**Department of COMPUTER SCIENCE AND DESIGN**



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**2022-23**

**Under the Guidance of-**

**Mrs.Reena Lobo**



**DEPARTMENT OF COMPUTER SCIENCE AND DESIGN**  
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**MOODBIDRI-574225,KARNATAKA**

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This is to certify that **Prathviraj k** bearing USN **4AL21CG042** has been successfully completed **ANDROID DEVELOPMENT** internship and submitted a report during the academic year 2022 – 2023 odd Semester. It is certified that all corrections/suggestions indicated in the presentation session have been incorporated into the report and scored Marks out of 100 and deposited in the department library.

Mrs. Reena Lobo  
Internship Co-ordinator  
Dept. of CSE, AIET

Prof. Venugopal Rao  
Head of the Department  
Dept. of CSD, AIET

## ACKNOWLEDGEMENT

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We thank our Subject Faculty **Mrs.Reena Lobo** Assistant Professor in the Department of Computer Science And Engineering who has been source of inspiration. She has been especially enthusiastic in giving her valuable guidance and critical reviews.

We sincerely thank **Prof. Venugopal rao**, Professor and Head of the Department of Computer science and Design Engineering who has been the constant driving force behind the completion of the group task.

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**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,**

**BELAGAVI-590 018**



**AN INTERNSHIP REPORT ON**

## **C AND DATA STRUCTURE**

**BY**

**RACHANA**

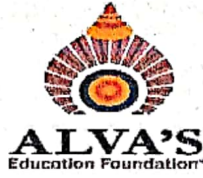
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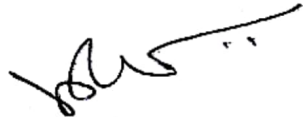
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Mr. Prashanth Kumar

Internship Co-coordinator, CSE



Prof. Venugopal Rao

Head of The Department, CSD

## ACKNOWLEDGEMENT

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**RACHANA**

**4AL21CG043**

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI**



**AN INTERNSHIP REPORT ON**

**ROBOTIC PROCESS AUTOMATION**

**RAKSHA SIDDESH G**

**4AL21CG044**



**DEPARTMENT OF COMPUTER SCIENCE AND DESIGN  
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY  
MOODBIDRI-574225, KARNATAKA 2022 – 2023**



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This is to certify that **RAKSHA SIDDESH G** bearing USN **4AL21CG044** has successfully completed **ROBOTIC PROCESS AUTOMATION** internship and submitted a report during the academic year 2022– 23 odd Semester. It is certified that all corrections/suggestions indicated in the presentation session have been incorporated into the report & scored <sup>92</sup> Marks out of 100 and deposited in the departmental library.

Internship Co-ordinator

Dept of CSD,AIET

HOD

Dept of CSD,AIET



## ACKNOWLEDGEMENT

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**RAKSHA SIDDESH G**

**4AL21CG044**

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI**



**AN INTERNSHIP REPORT ON  
C AND DATA STRUCTURE**

Submitted by

**RAKSHITHA 4AL21CG045**

Under the Guidance of

**DEEPIKA KAMATH , DR S M BADHUSHA,**

**DEEKSHA & MANJUNATH H R**



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING  
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY  
MOODBIDRI-574225, KARNATAKA 2022 – 2023**



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This is to certify that **RAKSHITHA** bearing USN **4AL21CG045** has successfully completed the **C AND DATA STRUCTURE** internship and submitted a report during the academic year 2022– 23 odd Semester. It is certified that all corrections/suggestions indicated in the presentation session have been incorporated into the report & and scored \_\_\_\_Marks out of 100 and deposited in the departmental library.

A handwritten signature in black ink, appearing to be "Prashanth Kumar", written over a horizontal line.

**Mr. Prashanth Kumar**

**Internship Co-coordinator, CSE**

A handwritten signature in black ink, appearing to be "Venugopal Rao", written in a cursive style.

**Prof. Venugopal Rao**

**Head of The Department, CSD**

## ACKNOWLEDGEMENT

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**RAKSHITHA**

**4AL21CG045**



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI**



**AN INTERNSHIP REPORT ON  
WEB DEVELOPMENT**

**By**

**RANJEETH P JAIN      4AL21CG046**

**Under the Guidance of**

**Mr. Pradeep V**

**Assistant Professor**



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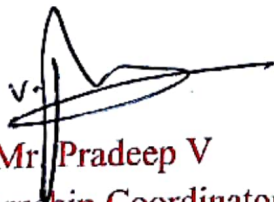
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## **CERTIFICATE**

This is to certify that **Ranjeeth P Jain** bearing USN **4AL21CG046** has successfully completed **Web Development** internship and submitted a report during the academic year 2022–23 odd Semester. It is certified that all corrections/suggestions indicated in the presentation session have been incorporated into the report & scored \_\_\_\_\_ Marks out of 100 and deposited in the departmental library.



**Mr. Pradeep V**  
Internship Coordinator  
Dept. of ISE, AIET



**Prof. Venugopal Rao**  
HOD  
Dept. of CSD, AIET

## ACKNOWLEDGEMENT

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Also, we thank all the teaching and non-teaching staff of the Department of Computer Science & Design for the help rendered.

**RANJEETH P JAIN**

**4AL21CG046**

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI**



**AN INTERNSHIP REPORT ON**

**CYBER SECURITY**

**By**

**RIDHI R HEGDE**

**4AL21CG047**

**Under the Guidance of**

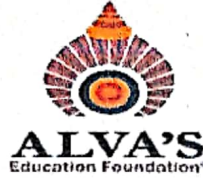
**Soundharya B C & Dr. Arun Anoop**

**Assistant Professor**



**DEPARTMENT OF COMPUTER SCIENCE & DESIGN ENGINEERING  
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A handwritten signature in red ink, appearing to be "Prashanth", is written over a circular stamp that contains a crosshair.

Mr. Prashanth Kumar

Internship Co-coordinator, CSE

A handwritten signature in black ink, appearing to be "Venugopal", is written in a cursive style.

Prof. Venugopal Rao

Head of The Department, CSD

## ACKNOWLEDGEMENT

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Ridhi R Hegde

4AL21CG047

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI**



**AN INTERNSHIP REPORT ON**

**C & DATA STRUCTURES AND PYTHON**

**By:-**

*Sandhya Moolya*

*HALICCH048*

**Under the Guidance of  
Mr. Prashanth Kumar  
Assistant Professor**



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ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY  
MOODBIDRI-574225, KARNATAKA 2022 – 2023**



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Mr. Prashanth Kumar

Internship Co-coordinator, CSE

  
Prof. Venugopal Rao

Head of The Department, CSD



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**AN INTERNSHIP REPORT ON  
C AND DATA STRUCTURE**

**Submitted by**

**SHARVARI M S 4AL21CG049**

**Under the Guidance of**

**DEEPIKA KAMATH , DR S M BADHUSHA,**

**DEEKSHA & MANJUNATH H R**



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING  
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A handwritten signature in black ink, appearing to read "Prashanth", with a long horizontal line extending to the right.

**Mr. Prashanth Kumar**

**Internship Co-coordinator, CSE**

A handwritten signature in black ink, appearing to read "Venugopal", with a long horizontal line extending to the right.

**Prof. Venugopal Rao**

**Head of The Department, CSD**

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**SHARVARI M.S**

**4AL21CG049**



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI - 590 018.**

**Internship Report**



**On**

**“ANDROID DEVELOPMENT ”**

**Submitted by**

**SHIBANI 4AL21CG051**

**Submitted to**

**VENUGOPAL RAO**

**HEAD OF THE DEPARTMENT**

**Department of COMPUTER SCIENCE AND DESIGN**



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**2022-23**

**Under the Guidance of-**

**Mrs.Reena Lobo**



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Mrs. Reena Lobo  
Internship Co-ordinator  
Dept. of CSE, AIET

Prof. Venugopal Rao  
Head of the Department  
Dept. of CSD, AIET

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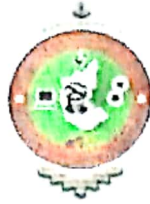
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4AL21CG051 SHIBANI

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI - 590 018.**

**Internship Report**



**On**

**“WEB DEVELOPMENT”**

**Submitted by**

**SHIVANI      4AL21CG052**

**Submitted to**

**VENUGOPAL RAO**

**HEAD OF THE DEPARTMENT**

**Department of COMPUTER SCIENCE AND DESIGN**



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**2022-23**

**Under the Guidance of-**

**Mr.Pradeep V**

**Assistant professor**





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**Mr. Pradeep V**  
Internship Coordinator  
Dept. of ISE, AIET

**Prof. Venugopal Rao**  
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SHIVANI

4AL21CG052

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI - 590 018.**

## **Internship Report**



**On**

**“ANDROID DEVELOPMENT ”**

**Submitted by**

**SHRAVYA 4AL21CG053**

**Submitted to**

**VENUGOPAL RAO**

**HEAD OF THE DEPARTMENT**

**Department of COMPUTER SCIENCE AND DESIGN**



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**2022-23**

**Under the Guidance of-**

**Mrs.Reena Lobo**



**DEPARTMENT OF COMPUTER SCIENCE AND DESIGN**  
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Internship Co-ordinator  
Dept. of CSE, AIET

Prof. Venugopal Rao  
Head of the Department  
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**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI**



**AN INTERNSHIP REPORT ON**

**ROBOTIC PROCESS AUTOMATION**

**By**

**Shreeya**

**4AL21CG054**

**Under the Guidance of**

**Mr. Sharan Lionel Pais**

**Assistant Professor**

**Dept of ISE**



**DEPARTMENT OF COMPUTER SCIENCE AND DESIGN**

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We thank our Subject Faculty, **Mr. Sharan Lionel Pais**, Assistant Professor in the Department of Information Science and Engineering, who has been our source of inspiration. He has been especially enthusiastic in giving his valuable guidance and critical reviews.

We sincerely thank **Mr. Harish Kunder** Professor and Head of the Department of Artificial Intelligence and Machine Learning Engineering who has been the constant driving force behind the completion of the group task.

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**Shreeya 4AL21CG054**



**ALVA'S INSTITUTE OF ENGINEERING AND  
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2022– 2023**



**INTERNSHIP REPORT ON:**

**Submitted by**

**C AND DATA STRUCTURE**

**STUDENT NAME: SINDHUIN**

**USN NUMBER: 4AL21CG055**

**SEM & SECTION: 3<sup>rd</sup> SEM & A SEC**

**Submitted to**

**Prof.Venugopal Rao**

**DATE:30-03-2023**



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**  
**ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
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Mr. Prashanth Kumar

Internship Co-coordinator, CSE



Prof. Venugopal Rao

Head of The Department, CSD

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**Sindhu N**

**4al21cg055**

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI**



**AN INTERNSHIP REPORT ON**

**CYBER SECURITY**

**By**

**SREE GANESH M S**

**4AL21CG056**

**Under the Guidance of**

**Mr. Prashanth Kumar**

**Assistant Professor**



**DEPARTMENT OF COMPUTER SCIENCE & DESIGN**

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Internship Co-ordinator, CSE

  
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**SREE GANESH M S      (4AL21CG056)**

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI**



**AN INTERNSHIP REPORT ON**

**C & DATA STRUCTURES AND PYTHON**

**By**

**SUJAY KUMAR B A**

**4AL21CG057**

**Under the Guidance of**

**Mr. Prashanth Kumar**

**Assistant Professor**



**DEPARTMENT OF COMPUTER SCIENCE AND DESIGN  
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY  
MOODBIDRI-574225, KARNATAKA 2022-2023**




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Faculty Coordinator  
Dept. of CSE, AIET



Prof. Venugopal Rao  
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**SUJAY KUMAR B A**

**4AL21CG057**

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI**



**AN INTERNSHIP REPORT ON  
C & DATA STRUCTURES AND PYTHON**

**By  
SURAJ  
4AL21CG058**

**Under the Guidance of  
Mr. Prashanth Kumar  
Assistant Professor**



**DEPARTMENT OF COMPUTER SCIENCE AND DESIGN  
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY  
MOODBIDRI-574225, KARNATAKA 2022-2023**



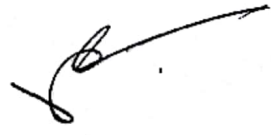
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Faculty Coordinator  
Dept. of CSE, AIET



Prof. Venugopal Rao  
Head Of The Department  
Dept. of CSD, AIET

## ACKNOWLEDGEMENT

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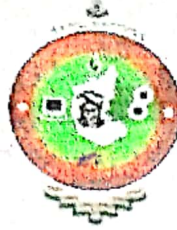
**SURAJ**

**4AL21CG058**



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI - 590 018.**

**Internship Report**



**On**

**“WEB DEVELOPMENT”**

**Submitted by**

**SURAKSHA**

**4AL21CG059**

**Submitted to**

**VENUGOPAL RAO**

**HEAD OF THE DEPARTMENT**

**Department of COMPUTER SCIENCE AND DESIGN**



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**DEPARTMENT OF COMPUTER SCIENCE AND DESIGN**

**ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY MIJAR,  
MOODBIDRI D.K.-574225 KARNATAKA**

**2022-23**

**Under the Guidance of-**

**Mr. Pradeep V**



DEPARTMENT OF COMPUTER SCIENCE & DESIGN  
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY  
MOODBIDRI-574225, KARNATAKA  
2022 – 2023

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

**CERTIFICATE**

This is to certify that **SURAKSHA** bearing USN **4AL21CG059** has successfully completed **WEB DEVELOPMENT** internship and submitted a report during the academic year 2022–23 odd Semester. It is certified that all corrections/suggestions indicated in the presentation session have been incorporated into the report & scored Marks out of 100 and deposited in the departmental library.

Mr. Pradeep V  
Internship Coordinator  
Dept. of ISE, AIET

Prof. Venugopal Rao  
HOD  
Dept. of CSD, AIET

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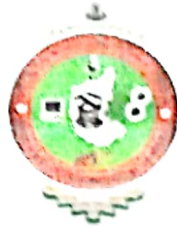
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**SURAKSHA**

**4AL21CG059**

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI**



**AN INTERNSHIP REPORT ON  
ROBOTIC PROCESS AUTOMATION**

**By**  
**Vikram 4AL21CG060**

**Under the Guidance of  
Mr. Sharan Lionel Pais  
Assistant Professor**

**Dept of ISE**



**DEPARTMENT OF COMPUTER SCIENCE AND DESIGN  
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY  
MOODBIDRI-574225, KARNATAKA  
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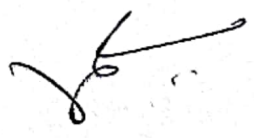
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This is to certify that **VIKRAM** bearing USN **4AL21CG060** has successfully completed the **ROBOTICS PROCESS AUTOMATION** internship and submitted a report during the academic year 2022– 23 odd Semester. It is certified that all corrections/suggestions indicated in the presentation session have been incorporated into the report & and scored \_\_\_\_Marks out of 100 and deposited in the departmental library.

Faculty Co-ordinator  
Dept of ISE, AIET

  
Internship Co-ordinator  
Dept of CSD, AIET

  
HOD  
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**Vikram 4AL21CG060**

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI**



**AN INTERNSHIP REPORT ON**

**C & DATA STRUCTURES AND PYTHON**

**By:-**

Vimalkumar U.R.

HAL21CG061

**Under the Guidance of  
Mr. Prashanth Kumar  
Assistant Professor**



**DEPARTMENT OF COMPUTER SCIENCE & DESIGN  
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY  
MOODBIDRI-574225, KARNATAKA 2022 – 2023**



**DEPARTMENT OF COMPUTER SCIENCE & DESIGN**  
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**2022 – 2023**

**CERTIFICATE**

This is to certify that **VIMALKUMAR U REVANKAR** bearing USN **4AL21CG061** successfully completed **C & DATA STRUCTURES AND PYTHON** internship and submitted a report during the academic year 2022-23 odd semester. It is certified that all corrections / suggestions indicated in the presentation session have been incorporated into the report and scored marks \_\_\_\_ out of 100 and deposited in the departmental library.



**Mr. Prashanth Kumar**  
**Internship Co-ordinator CSE**



**Prof. Venugopal Rao**  
**Head Of The Department CSD**



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**VIMALKUMAR U REVANKAR**

**4AL21CG001**

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI**



**AN INTERNSHIP REPORT ON**

**CYBER SECURITY WITH KALI - LINUX**

**By**

**Vinith Kalikar**

**4AL21CG062**

**Under the Guidance of  
Mr.Prashanth kumar**

**Assistant Professor**



**DEPARTMENT OF COMPUTER SCIENCE & DESIGN**

**ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY**

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This is to certify that **Vinith Kalikar** bearing USN **4AL21CG062** has successfully completed **Cyber Security with Kali Linux** internship and submitted a report during the academic year 2022–23 odd Semester. It is certified that all corrections/suggestions indicated in the presentation session have been incorporated into the report & scored 90 Marks out of 100 and deposited in the departmental library.

**Mr. Prashanth Kumar**  
**Faculty Co-ordinator**  
**Dept. of CSE**

**Prof. Venugopala Rao**  
**Dept. of CSD, AIET**

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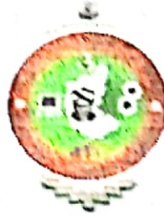
Also, we thank all the teaching and non-teaching staff of the Department of Computer Science & Design Engineering for the help rendered.

**Vinith Kalikar**

**4AL21CG062**



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI – 590 018**



**AN INTERNSHIP REPORT ON  
C & DATA STRUCTURES AND PYTHON**

**BY**

**YASHUYADAV A      4AL21CG063**

**Under the Guidance of**

**Mr Prasanth Kumar**

**Assistant Professor**



**DEPARTMENT OF COMPUTER SCIENCE & DESIGN  
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This is to certify that **YASHU YADAV A** bearing **USN 4AL21CG063** successfully completed **C & DATA STRUCTURES AND PYTHON** internship and submitted a report during the academic year 2022-23 odd semester. It is certified that all corrections / suggestions indicated in the presentation session have been incorporated into the report and scored marks \_\_\_\_ out of 100 and deposited in the departmental library.

**Mr. Prashanth Kumar**  
**Internship Co-ordinator CSE**

**Prof. Venugopal Rao**  
**Head Of The Department CSD**

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YashuYadav A

4AL21CG063