Marathwada Mitra Mandal's

COLLEGE OF ENGINEERING, PUNE

Accredited with 'A++' Grade by NAAC

INTERNSHIP REVIEW

TOPIC

Faculty Incharge

Dr. Neeta N.Thune

By

Rudra M. Sangewar(T1904503153)

OUTLINES

Internship completion certificate

Internship Place Details- Company

Introduction

Title/Problem statement/objectives

Motivation/Scope and rationale of the study

Methodological details

Results / Analysis /inferences and conclusion

Suggestions Attendance Record

List of reference

INTERNSHIP COMPLETION CERTIFICATE

TN-34-0050921
C.ID: RDPN52DD

RD INFRO TECHNOLOGY

CERTIFICATE
of Completion

This certifies that :

Rudra Mahendra Sangewar

has successfully completed 4 weeks of a virtual internship program in
PYTHON
with wonderful remarks at **RD INFRO TECHNOLOGY** from **15/01/2025** to **14/02/2025**.
We were truly amazed by his/her showcased skills and invaluable contributions to the
tasks and projects throughout the internship.

Jacklyn

RD INFO FOUNDER

AICTE

Date: 15/02/2025

INTERNSHIP PLACE DETAILS- COMPANY

RD Infro Technology is a professional company that provides internship opportunities to students, helping them gain hands-on experience in various fields such as cybersecurity, web development, data science, and digital marketing. Based in Lucknow, Uttar Pradesh, India.

RD Infro Technology focuses on bridging the gap between academic learning and industry requirements by offering structured and skill-based internship programs. The company emphasizes practical learning through real-world projects, allowing interns to enhance their technical and professional skills.

INTRODUCTION

Definition of Python:
   Python is a high-level, interpreted programming language known for its readability, simplicity, and wide range of applications in software development and data science

.

Growing Importance:
   With increasing demand for automation, data analysis, and web development, Python has become one of the most widely used and versatile programming languages today.

Focus of the Study:
   This study focuses on Python fundamentals, programming logic, real-world problem-solving, and hands-on practice with tools like Pandas, NumPy, and Matplotlib.

Objective of the Presentation:
   To present core Python concepts, showcase practical implementation through

TITLE/PROBLEM STATEMENT/OBJECTIVES

Problem Introduction to Python:
Learning Python is essential for developing efficient, readable, and scalable solutions in today's technology-driven world.

Code Logic and Debugging:
Understanding programming logic and learning to debug are key to writing effective and error-free Python programs.

Project-Based Learning:
Hands-on projects using Python help in applying theoretical knowledge to solve real-world problems and automate tasks.

Use of Libraries and Tools:
Utilizing libraries like Pandas, NumPy, and Matplotlib enhances the ability to perform data analysis, visualization, and task automation.

MOTIVATION/SCOPE AND RATIONALE OF THE STUDY

Adapting to Modern Programming Needs:
Python's readability and wide applicability make it a go-to language for beginners and professionals across multiple domains.

Bridging the Gap Between Theory and Practice:
The internship focuses on applying programming concepts in real-world scenarios, enhancing both conceptual understanding and practical skills.

Hands-On Experience with Python Tools:
Working with libraries like Pandas, NumPy, and Matplotlib provides exposure to data handling, analysis, and visualization.

Building a Foundation for Future Growth:
Python serves as a stepping stone toward advanced fields such as web development, machine learning, and automation, encouraging continuous learning.

METHODOLOGICAL DETAILS

Adapting to Modern Programming Needs:
Python's readability and wide applicability make it a go-to language for beginners and professionals across multiple domains.

Bridging the Gap Between Theory and Practice:
The internship focuses on applying programming concepts in real-world scenarios, enhancing both conceptual understanding and practical skills.

Hands-On Experience with Python Tools:
Working with libraries like Pandas, NumPy, and Matplotlib provides exposure to data handling, analysis, and visualization.

Building a Foundation for Future Growth:
Python serves as a stepping stone toward advanced fields such as web development, machine learning, and automation, encouraging continuous learning.

RESULTS / ANALYSIS /INFERENCES AND CONCLUSION

Programming Skill Development:
Evaluated the improvement in understanding Python syntax, data types, and control structures through regular practice and assessments.

Project Completion Metrics:
Analyzed the successful completion of assigned Python tasks and mini-projects, demonstrating the application of learned concepts.

Library Implementation:
Assessed proficiency in using Python libraries like Pandas, NumPy, and Matplotlib for data manipulation and visualization.

Debugging and Logical Thinking:
Reported improvement in identifying and fixing logical and syntax errors, enhancing problem-solving skills and code accuracy.

Participant Feedback:
Summarized intern feedback on the learning experience, highlighting the clarity of explanations, relevance of projects, and interest in exploring advanced Python topics.

LIST OF REFERENCE

📚 Books:
Reyes, B. (2016). *Python Programming for Beginners: A Step-by-Step Guide*. CreateSpace Independent Publishing.
Downey, A. (2015). *Think Python: How to Think Like a Computer Scientist*. Green Tea Press.

📓 Journal Articles:
Sanner, M. F. (1999). Python: A programming language for software integration and development. *Journal of Molecular Graphics and Modelling, 17(1)*, 57–61.
https://doi.org/10.1016/S1093-3263(99)00017-0

- **🌐 Websites:**
Python Software Foundation. (2023). *Python Documentation*. https://docs.python.org
W3Schools. (2023). *Python Tutorial*. https://www.w3schools.com/python/

TIMELINE

Week 1
Introduction to Python programming and basic syntax.

Week 2
Learned about data types, variables, input/output, and conditional statements.

Week 3
Practiced loops, functions, and basic problem-solving using Python.

Week 4
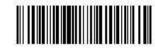Worked with libraries like Pandas, NumPy, and Matplotlib for data handling and visualization.

Week 5
Completed project tasks and submitted final work for review.

THANK YOU

25-0005421826

विदेश मंत्रालय भारत सरकार
Ministry of External Affairs, Government of India
Online Appointment Receipt

Applicant Details:

Application Reference No. (ARN)	25-0005421826
Service Type	FRESH
Type of Application	NORMAL
Given Name	DEEPALI MAHENDRA
Surname	SANGEWAR
Gender	FEMALE
Father's Name	MOHANRAO LAXMAN MAKRUWAR
Mother's Name	SHOBHA MOHANRAO MAKRUWAR
Spouse's Name	MAHENDRA SANGEWAR
Date of Birth	18/05/1983
Place of Birth	NANDED,NANDED,MAHARASHTRA
Marital Status	WIDOW/ WIDOWER
Employment Type	SELF EMPLOYED
Application Submitted Date	13/04/2025
Present Residential Address	MADHAV NIVAS, PARBHANI, Parbhani, 431401, Maharashtra, INDIA

Payment Details#

Total Fee (Rs.)	1500.00
Paid Fee (Rs.)	1500.00
Date and Time	13/04/2025 05:31 PM
Transaction Id	CPAFAIQHM9

Appointment Details:

Passport Seva Kendra Address	PARBHANI, HEAD POST OFFICE, NANAL PETH, PARBHANI PIN- 431401
Appointment Id	100029511325325
Appointment Date and Time	15/04/2025 & 02:00 PM
Reporting Date and Time	15/04/2025 & 01:45 PM

Batch   **16**

Sequence No.   **1**

100029511325325

Please Read Carefully:

- Please reach Passport Seva Kendra (PSK) at **01:45 PM** as mentioned above and you dont need to carry the printed copy of appointment receipt. An SMS with your appointment details is also accepted as proof of appointment during your visit to Passport Office.
- Check **Document Advisor** on website **'www.passportindia.gov.in'** to know the documents required at PSK.Carry original documents and their self attested photocopies. Final decision with regard to documents required is at the discretion of RPO staff at PSK.
- In case of minor applicants (below 4 years of age), carry the recent passport size photograph (4.5 X 3.5 cm) with white background.Please Click here for photograph guidelines.
- Only applicant is allowed inside the PSK. However, in case of exceptions such as Senior Citizen / Physically Challenged / Illiterate / Minor applicants, one person from the family may be allowed to accompany inside PSK.
- At PSK, a paper token will be issued to you after checking of documents.Your application will be processed at Counter A followed by counters B and C. At all stages, please be alert and watch the token display screens to know the counter at which your application will be processed. After your visit to PSK, please login to Passport Portal to download acknowledgement slip. Also,you are requested to fill the feedback form at the exit counter.
- Corrosive substances, explosives, weapons and any sharp objects are not allowed inside the PSK. Please co-operate with security staff for frisking before entry in PSK. Your security is our primary concern.
- Take care of your belongings inside the PSK.
- Keep your mobile in silent mode inside PSK. Also video / photography is not allowed inside.
- Balance fee (if applicable) after editing the submitted form will be payable in cash at the Passport Seva Kendra.
- ATM facility available at PSK for all Bank Cards.
- **Help us to serve you better.**

 # Details as per the Payment Date. Payment once made for availing passport services will not be refunded.

The Following documents needs to be furnished at PSK/PO for verification:

- Permanent Account Number Card issued by the Income-tax Department having the date of birth of the applicant
- Aadhaar Card (Address Proof)

The following table lists Applicant Categories along with the Documents to be Submitted. The Document No. mentioned in Documents to be Submitted column is the reference given to the document mentioned in List of Documents table.

Applicant Categories	Documents to be Submitted
Ordinary Case (Citizen of India by birth)	1, 2, 3 (if the applicant is eligible for Non ECR), 27 (if Post Police Verification is required)
Citizen of India by Descent (Born to Indian parent(s) outside India)	(i) 1, 2, 3 (if the applicant is eligible for Non ECR) (ii) 4 or 5 or 6
Citizen of India by Registration/ Naturalization (Granted citizenship by MHA)	1, 2, 3 (if the applicant is eligible for Non ECR), 7
Applicants repatriated from abroad at Government cost	1, 2, 3 (if the applicant is eligible for Non ECR), 5 (if available), 8, 9
Applicants deported to India/ Emergency Certificate cases	1, 2, 3 (if the applicant is eligible for Non ECR), 5 (if available), 8 (if any), 9
Government/ Public Sector/ Statutory body employees	(i) 1, 2 (ii) 21 (if No Police Verification is required) or 20 (if Post Police Verification is required) or 24 (if Pre Police Verification is required).
Dependent family members of Government/ Public Sector/ Statutory body employees (For J&K children in age group 10-15 years are covered. For rest of India children in age group 18-21 are covered)	1, 2, 3 (if the applicant is eligible for Non ECR), 27 (if Post Police Verification is required), 21 (of dependent)
Retired government officials	1, 2, 10 (if Post Police Verification is required)
Applicants having Diplomatic/ Official Passport and applying for ordinary Passport while in service	(i) 1, 2 , 11 (12 if surrender certificate is not **available**) (ii) 21 or 20 or 24 if applicant is Government/Public Sector/Statutory body employee, 27 (if applicant is not a Government/Public Sector/Statutory body employee and if Post Police Verification is required) **Note:** In case the applicant submits "12", "2" is not required
Dependent family members of Diplomatic/ Official Passport holders who are not government servants (For J&K Children in age group 10-15 years are covered)	1, 2, 3 (if the applicant is eligible for Non ECR), 23, 27 (if Post Police Verification is required)
Owner, partners and directors of Companies which are members of CII, FICCI & ASSOCHAM.	(i) 1, 2
Change in name	1 (in new name), 2 (in old name), 3 (if the applicant is eligible for Non ECR - Documents in old name are allowed), 13, 25
Change/ Addition in surname due to marriage	(i) 1, 2, 3 (if the applicant is eligible for Non ECR), 27 (if Post Police Verification is required)
Change in name in case of Government/ Public Sector/ Statutory body employees	1, 2, 15, 16, 27 (if Post Police Verification is required)
Nagaland Residents	1, 2, 3 (if the applicant is eligible for Non ECR) **Note:** Additional PV required from Guwahati through MHA.
Naga origins residing outside Nagaland	1, 2, 3 (if the applicant is eligible for Non ECR) **Note:** Additional PV required from Guwahati through MHA.
Jammu and Kashmir Residents	1, 2, 3 (if the applicant is eligible for Non ECR)
Jammu and Kashmir Residents staying outside J&K for more than five years	1, 2, 3 (if the applicant is eligible for Non ECR), 27 (if Post Police Verification is required)
Students staying away from their parent's current residence	1, 2, 3 (if the applicant is eligible for Non ECR), 17, 18, 27 (if Post Police Verification is required)
Senior Citizens (For J&K: Men - 65+ years, Women - 60+ years; For rest of India 65+ years)	1, 2, 3 (if the applicant is eligible for Non ECR), 27 (if Post Police Verification is required)

Document No.	List of Documents

1.	**Proof of Present Address.** For Proof of Address attach one of the following documents: a. Water bill/ Telephone (landline or post paid mobile bill)/ Electricity bill b. Photo passbook of running Bank Account (Scheduled Public Sector Banks, Scheduled Private Sector Indian Banks and Regional Rural Banks only) c. Income Tax Assessment Order d. Election Commission Photo ID card e. Gas Connection Bill f. Employer Certificate on letterhead from reputed and widely known companies Employer Certificate on letterhead from reputed and widely known companies g. Spouse's passport copy (First and last page including family details mentioning applicant's name as spouse of the passport holder provided the applicant's present address matches the address mentioned in the spouse's passport). h. Parents' passports in case of minors (if address is the same)Parents' passports in case of minors (if address is the same). i. Aadhaar Card/ e-Aadhar/ Letter containing the unique Aadhar number. j. Rent Agreement k. Allotment letter of the Government accommodation issued by the EstateOffice/Public Works Department of the Central/State Government in respect of their employees. l. Applicant's current and valid ration card m. Driving License n. Duly certified/attested extract of the service record/book of the Government employees (serving/retired) or the bonafide certificate issued by the employer in respect of serving Government employees o. Marriage Certificate issued by the Registrar of Marriages alongwith address proof of spouse in respect of newly married women. p. Parents' passports and parent's address proof in case of minors (if address is different). q. Passport of son/ daughter in case of dependent parents (if address is the same). r. Passport of son/ daughter in case of dependent parents and address proof of son/ daughter (if address is different) s. Proof of Address (POA) issued by the India Post, Department of Posts. t. Spouse's passport copy (if address is different) with spouse's address proof. **Note:** 1. Applicants are required to submit the proof of address of the present address only, irrespective of the date from which he/she has been residing at the given address. 2. Furnishing of Aadhaar card will expedite processing of passport applications. 3. Aadhaar letter/card or the e-Aadhaar (an electronically generated letter from the website of UIDAI), as the case may be, will be accepted as **Proof of Address (POA)** and **Proof of Photo-Identity (POI)** for availing passport related services. Acceptance of **Aadhaar as PoA and PoI** would be subject to successful validation with Aadhaar database. 4. Any of the remaining documents containing address Out of 12 documents listed under Tatkaal application, could also be accepted as proof of residence if such documents have the same present residential address as given by the applicant in the Passport Application Form.

2.	**Proof of Date of Birth.** For Proof of Date of Birth attach one of the following documents:
	
	1. In respect of persons born before the 1st October, 2023 (attach one of the following)
	  a. Birth certificate issued by the Registrar of Births and Deaths or the Municipal Corporation or any other authority, empowered under the Registration of Births and Deaths Act, 1969 (18 of 1969); or
	  b. Transfer or school leaving or matriculation certificate issued by the recognised school last attended or recognised educational board having the date of birth of the applicant; or
	  c. Permanent Account Number Card issued by the Income-tax Department having the date of birth of the applicant; or
	  d. Copy of an extract of the service record of the applicant (only in respect of Government servants) or the Pay Pension Order (in respect of retired Government servants), duly attested or certified by the officer-in-charge of the administration of the concerned Ministry or Department of the applicant, having his date of birth; or
	  e. Driving licence issued by the Transport Department of the concerned State Government, having the date of birth of the applicant; or
	  f. Election Photo Identity Card issued by the Election Commission of India containing the date of birth of the applicant; or
	  g. Policy bond issued by the Life Insurance Corporations of India or Public Companies having the date of birth of the holder of the insurance policy.
	
	2. In respect of persons born on or after 1st October, 2023 (attach the following)
	  a. Birth certificate issued by the Registrar of Births and Deaths or the Municipal Corporation or any other authority, empowered under the Registration of Births and Deaths Act, 1969 (18 of 1969).
	
	Note: Documents mentioned in point 'c' to 'f' are acceptable as proof of Date of Birth only if it has the precise Date of Birth of the applicant.

3.	Documentary proof for any one of the Non-ECR (previously ECNR) categories, Refer Column 2.15 under **Section-B** of passport instruction booklet
4.	Birth Registration Certificate issued by Embassy/ High Commission/ Consulate of India
5.	Old Passport in original with self-attested photocopy of its first two and last two pages, including ECR/Non-ECR page (previously ECNR) and the page of observation (if any), made by Passport Issuing Authority and validity extension page, if any, in respect of short validity passport
6.	Passport of parents in original with self-attested photocopy of its first two and last two pages, including ECR/Non-ECR page (previously ECNR) and the page of observation (if any), made by Passport Issuing Authority and validity extension page, if any, in respect of short validity passport
7.	Citizenship Certificate issued by Ministry of Home Affairs
8.	Proof of refund of repatriation /deportation cost (if any) to Ministry of External Affairs
9.	Original Emergency Certificate/Seizure Memo issued by Airport Immigration Authorities on applicant's arrival in India
10.	Pension Payment Order
11.	Proof of surrender or cancellation of Diplomatic/official Passport
12.	Cancelled Passport (if surrender certificate is not available), with a letter explaining why surrender certificate is not available
13.	Paper clipping of two leading daily newspapers in original (one daily newspaper should be of the area of Applicant's Permanent Address and the other at Current Address or nearby area)
14.	An attested copy of marriage certificate issued by Registrar of Marriage
15.	Gazette Notification changing name in applicant's department
16.	Fresh ID Certificate in changed name
17.	Student Identity Card issued by Government Recognized Educational Institutions, in respect of full time courses
18.	Bonafide Letter from authorized signatory of college (On official letter head of UGC recognized College)
19.	Copy of child's (Age>18) Passport , who is staying abroad (with page having parent's name)
20.	No Objection Certificate (NOC) (as per Annexure "G")
21.	"Identity Certificate" in original as per Annexure "A"
22.	Photocopy of Diplomatic/ Official Passport
23.	Prior Intimation Letter (PI) (as per Annexure "H")
24.	At least two public/school documents issued in the desired/ applied changed name to ascertain that the applicant has actually changed his name.
25.	**Out of turn issuance of passport documents listed are as under:** **NOTE 1:** If an applicant of the age of 18 years and above applies for a passport and desires to obtain a passport on out of turn basis submit Aadhaar Card/letter/e-

Aadhaar containing the 12 digit Aadhaar number/28-digit Aadhaar Enrolment ID printed on Aadhaar Enrolment slip issued by the Unique Identification Authority of India (UIDAI), and any two of the documents listed below.

    a. Aadhaar Card/e-Aadhar containing the 12 digit Aadhaar number issued by the Unique Identification Authority of India(UIDAI)
    b. Electors Photo Identify Card (EPIC)
    c. Permanent Account Number (PAN Card)
    d. Driving Licenses (valid and within the jurisdiction of State of submission of applicant)
    e. Bank Passbook or Kisan Passbook or Post Office Passbook
    f. Student Photo Identity Cards issued by Government Recognized Educational Institutions
    g. Birth Certificates issued under the Registration of Births and Deaths Act, 1969(18 of 1969)
    h. Service Photo Identity Card issued by State Government or Central Government, Public Sector Undertakings, local bodies or Public Limited Companies
    i. Pension Documents such as ex-servicemen's Pension Book or Pension Payment order issued to retired Government employees, ex-servicemen's Widow or Dependent Certificates, Old Age Pension Order
    j. Scheduled Caste or Scheduled Tribe or Other Backward Class Certificate
    k. Arms Licenses issued under the Arms Act, 1959(54 of 1959);
    l. Ration Card
    m. Last passport issued (in case of re-issue only)

NOTE 2: If an applicant below the age of 18 years applies for a passport and desires to obtain a passport on out of turn basis submit Aadhaar Card/letter/e-Aadhaar containing the 12 digit Aadhaar number/28-digit Aadhaar Enrolment ID printed on Aadhaar Enrolment slip issued by the Unique Identification Authority of India (UIDAI), and any one of the documents listed below

    a. Aadhaar Card/e-Aadhar containing the 12 digit Aadhaar number issued by the Unique Identification Authority of India(UIDAI)
    b. Permanent Account Number (PAN Card)
    c. Student Photo Identity Cards issued by Government Recognized Educational Institutions
    d. Birth Certificates issued under the Registration of Births and Deaths Act, 1969(18 of 1969)
    e. Ration Card
    f. Last passport issued (in case of re-issue only)

Note: The list of documents provided in the table above is indicative. The decision of APO/RPO shall be considered final.