Letter of Transmittal

Date: 15th September, 2021

HR Head
Exposys Data Labs,
Bengaluru, India.

Subject: Submission of Internship Project

Sir,

Sir, it is my great pleasure to submit the internship project titled **"Pan India College Data Collection"** which has been prepared as an integral part of the virtual Internship Program. My internship was held at your firm **Exposys Data Labs,** Bengaluru, India(Virtually), starting from the date of 12th August 2021 for a period of 35 Days.

It will be highly appreciated if you kindly accept the Internship Project. Your positive action regarding this matter would be very much helpful for my academic career. It has also to be mentioned that without your expert advice and cooperation it would not have been possible to complete this report. If you need any further clarification or information in interpreting this analysis, I will be glad to answer your queries.

Thanking You
Sincerely yours,

Kumar Mangalam
Roll: BTECH/15330/19
Major: Mechanical Engineering
Minor: Computer Science Engineering
Birla Institute of Technology, Mesra, Patna Campus
Patna, India.

Letter of Authorization

This is to certify that the internship Project titled **"Human Resources, Pan India College Data"** has been submitted for the Virtual Internship in the field of Human Resources carried out by **Kumar Mangalam BTECH/15330/19** under my supervision.

This report is free from plagiarism.

He is permitted to submit the internship report.

Head

Human Resources
Exposys Data Labs
Bengaluru, India.

Acknowledgement

At the beginning, I would like to thank to Almighty for giving me strength and opportunity and sound mind to complete the internship project and keeping me healthy and safe throughout these hard times. I want to bid my heartiest thanks to my Mentor, HR Head of Exposys Data Labs, for guiding and helping me throughout the project and clearing all of my queries in very short time spans. I would also like to thank him and Exposys Data Labs for offering me this opportunity to learn and enhance my skills in the field.

I would also like to thank Dr. Vijay Agrawal, Training and Placement Officer, BIT Patna, for bringing this opportunity to my knowledge and guiding me throughout the process of the Internship.

I take this opportunity to extend my gratitude to my friend Archit Raj (B. Tech CSE) for helping me in completing this project and co- verifying the data collected by me through different platforms, without him, I wouldn't have been able to complete this project on time.

Lastly, but definitely most sincerely, I would like to thank my parents (Mr. Anil Kumar & Mrs. Kumari Smita Sinha) and younger brother (Kumar Raghvendra), for providing me with all the moral, financial and emotional support and as well as the resources I needed throughout the project, without which I wouldn't have been able to complete the Internship Project. I would also like to thank my mother for guiding me with all the minute details and structure for the project.

I am also grateful to my Institute, Birla Institute of Technology, Mesra, Patna Campus for making me capable enough to complete this project.

Summary

Exposys Data Labs Aims to Solve Real World Business Problems Like Automation, Big Data and Data Science. Their Core Team of Experts in Various Technologies Help Businesses to Identify Issues, Opportunities and Prototype Solutions Using Trending Technologies Like AI, ML, Deep Learning and Data Science. They Follow a Human-Focused and Not Technology Driven Approach to Achieve Success in Their Clients Endeavors.

In the Human Resources Project, I have tried to manually collect and verify as many data as possible In the time duration of 35 days. The data to be collected consisted of 6 Fields namely:

1. The college name
2. The state in which the college is situated
3. Principal's Name
4. Principal's Email
5. Training and Placement Officer Email
6. TPO Email

Most of the colleges had the following details on their website readily available and easily accessible, while many other didn't had the info available directly so had to contact the persons concerned through linked in and other platforms. Since collecting all the data from colleges' websites was a time consuming and hence I looked online for different resources which contained the required data in condensed format and processed them in my desired format.

The data collected is hence sorted majorly in two groups namely:

1. The manually collected and verified data
2. The mass scavenged data from different government and Institutional records

The mass scavenged data is then further divided in three sections:

1. AICTE Records
2. TEQIP Records
3. Private Institutional Records

Since Some of the colleges didn't contain the name of their TPO, a lot of the data is having that field as empty and due to time constraint, I was unable to collect the same manually for every single college whose data is entered in the records.
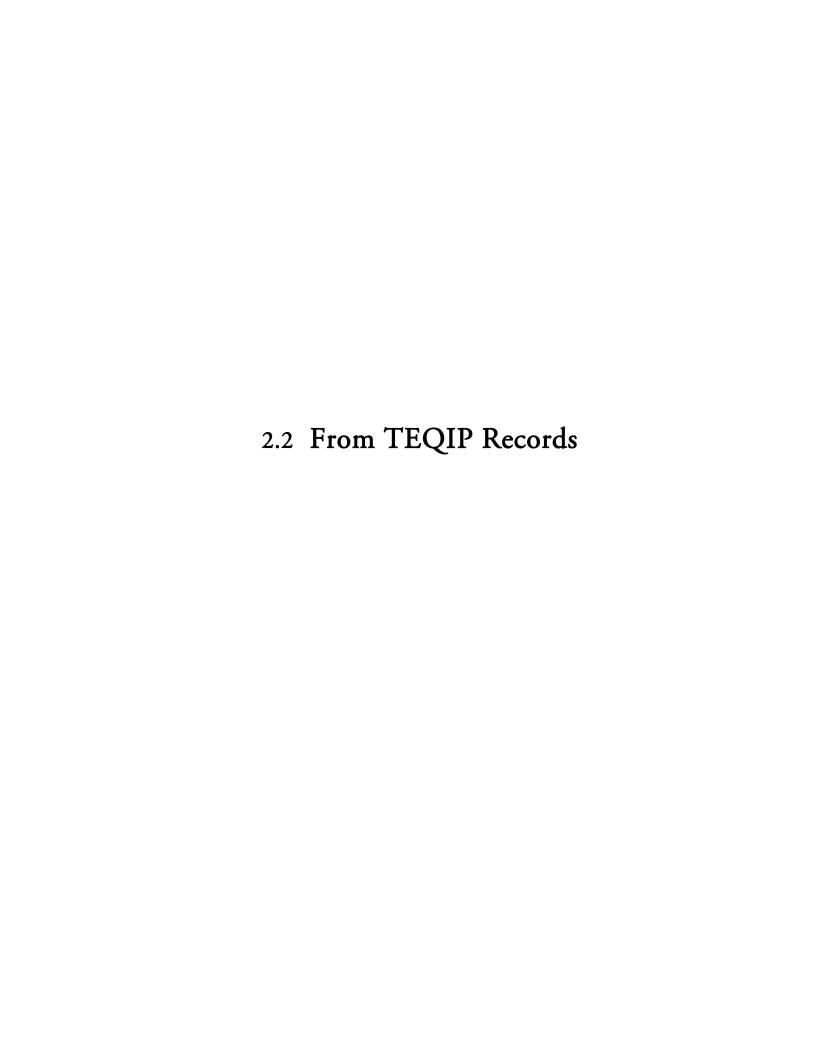
In the end I Have tried my best to eliminate all the data redundancy, but some might have crept in the record. For that I sincerely apologize. I have also tried my best to include all the Tier-A Engineering colleges in India, including almost all of IIT's and NIT's, and most of the big names in the private Engineering college.

Table of Contents

1. Manually Collected and verified Data Set

2.1 From A.I.C.T.E Records merged with Private Institutional Records and State Governments Records.

2.2 From TEQIP Records

Conclusion

Overall Exposys Data Labs is a very nice company to work with and to start a career with, having a very nice employee oriented working environment.

Their Core Team of Experts in Various Technologies Help Businesses to Identify Issues, Opportunities and Prototype Solutions Using Trending Technologies Like AI, ML, Deep Learning and Data Science. And because of this they have a very nice clients relation with promising solutions.

My project was to collect the name of ' Principal' of the college as a part of the data, but while doing the data compilation I realized that not all colleges have the post named 'Principal' so I improvised the field and filled it with the name of the highest admintrative person in the college campus such as Dean Academics , Dean UG , Dean student Relations, Registrar, Director, Vice-Chancellor in some cases.

Some of the colleges didn't had any TPO data available publicly so the field is left blank in some data sets. I sincerely apologize for that.

The data collected in the hence project will help in establishing a better communication between the firm and the respective Technical/Engineering Institutions so that many and many of the people can take this opportunity to get their skills sharpened.

In the end, Exposys Data Labs is a very healthy technological firm, and I am very happy to have such an organization as my Internship.

References

1. https://www.nirfindia.org/2020/EngineeringRanking.html
2. https://www.aicte-india.org/education/institutions/Universities
3. http://www.npiu.nic.in/teqip3subcomponent_1_3.html
4. https://ekalyan.cgg.gov.in/
5. http://www.dcmsme.gov.in/schemes/
6. blob:https://www.7nishchay-yuvaupmission.bihar.gov.in/
7. https://www.bitmesra.ac.in/
8. https://www.iitsystem.ac.in/?q=iitsdirectors/publicview
9. http://nitcouncil.org.in/

And many other colleges home website