PRESIDENCY UNIVERSITY

INTEGRATION OF ANALYTICS INTO PGRKAM APP

A PROJECT REPORT

Submitted by

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IN

COMPUTER ENGINEERING

PRESIDENCY UNIVERSITY

BENGALURU

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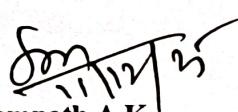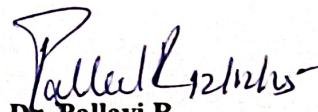
Private University Estd. in Karnataka State by Act No. 41 of 2013

Itgalpura, Rajankunte, Yelahanka, Bengaluru – 560064

50 YEARS

PRESIDENCY SCHOOL OF COMPUTER ENGINEERING

BONAFIDE CERTIFICATE

Certified that this report **"INTEGRATION OF ANALYTICS INTO PGRKAM APP"** constitutes bonafide work completed by **MANDAR JOSHI (20221COM0006), PREETHAM JAIN DJ (20221COM0216),** and **REVANTH P (20221COM0013),** who have successfully carried out the project work and submitted this report for partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER ENGINEERING** during 2025-26.

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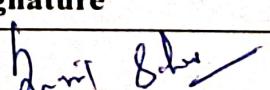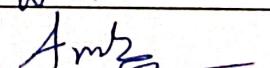
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PSCS & PSIS

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Examiners

| Sl. No	Name	Signature	Date
1	Mr. Sunil Kumar Sahoo		11-12-2025
2	Mr. Asad Mohammed Khan		11-12-2025

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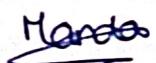
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<u>DECLARATION</u>

We the students of final year B.Tech in **COMPUTER ENGINEERING** at Presidency University, Bengaluru, named **MANDAR JOSHI (20221COM0006), PREETHAM JAIN DJ (20221COM0216), and REVANTH P (20221COM0013)**, hereby declare that the project work titled "**INTEGRATION OF ANALYTICS INTO PGRKAM APP**" has been independently carried out by us and submitted in partial fulfillment for the award of the degree of B.Tech in **COMPUTER ENGINEERING** during the academic year of 2025-26. Further, the matter embodied in the project has not been submitted previously by anybody for the award of any Degree or Diploma to any other institution.
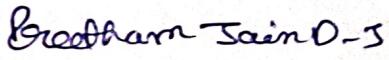
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PLACE: BENGALURU

DATE: 10 December 2025

ACKNOWLEDGEMENT

Abstract

So so basically right now in Punjab the government is doing a lot called PGRKAM for employment. It connects the job seeking people and the company people and it is doing very good actually. But when we looked deeply inside the app there is one big problem. There is no analytics. Simply the data is there but nobody knows what is happening with it. Which district has more jobs? Which skill is people wanting? The officers are just scrolling and guessing honestly. This is a very big wastage of data potential if you ask us.

And that is why we decided to do this project INTEGRATION OF ANALYTICS INTO PGRKAM APP. The main idea is to take all that hidden data and put it into a nice dashboard with charts and graphs. We are using React JS for the front side and Python for back side calculations. We want to show everything clearly like how many people registered today, how many got the job, and which sector is booming. This will help the government to make better plans.

We built a very simple and clean dashboard. It has pie charts and bar graphs and it updates very fast. We tested it with some sample data and it works very smoothly. Even a person who is not technical can understand the graphs very easily. This was our main goal to make it idiot proof almost.

The result is that now everything is visible. Before it was all darkroom but now there is light on the data. We think this will actually help reduce unemployment because officers can now focus on areas where jobs are less. It is a small step but a very useful one we believe. In future maybe we can add AI also to predict jobs but for now this analytics part is rocking.