"Towards Global Technological Excellence"

"INSTITUTIONS' RESEARCH AND DEVELOPMENT DATA MANAGEMENT INFORMATION SYSTEM PORTAL"

For the Degree of

Bachelor of Technology

By
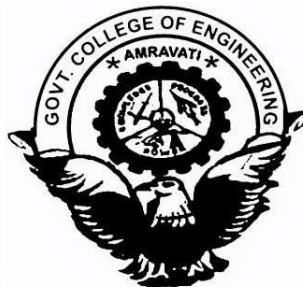
Nivedita Gaikwad (15005044)

Ambika Pandit (15005058)

Kunal Wanikar (15005060)

Ankush Narkhede (15005070)

Under the Guidance of

Prof. N. G. Gadge

Department of Computer Science and Engineering

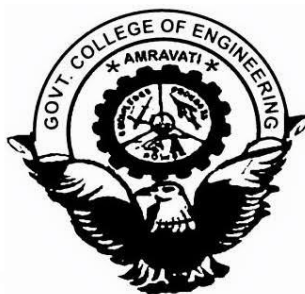# GOVERNMENT COLLEGE OF ENGINEERING, AMRAVATI

(Au Autonomous Institute of Government of Maharashtra)

(2018-19)

GOVERNMENT COLLEGE OF ENGINEERING, AMRAVATI

(An Autonomous Institute of Government of Maharashtra)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

<u>CERTIFICATE</u>

This is to certify that the project entitled " **INSTITUTIONS' RESEARCH AND DEVELOPMENT DATA MANAGEMENT INFORMATION SYSTEM PORTAL**" has been submitted here with for the award of Degree of Computer Science and Engineering Amravati. This is the result of work completed by Nivedita Gaikwad (15005044), Ambika Pandit(15005058), Kunal Wanikar (15005060), Ankush Narkhede (15005070), under my guidance and supervision. This work has not been produced earlier for the same award in any other examining body or university to the best of my knowledge and belief.

Prof. N.G.Gadge   **Dr. A.V. Deorankar**

    (Guide)   **(Head of Department)**

DECLARATION

We hereby declare that we have performed, completed and written the project report for the phase 2 of the project entitled " **INSTITUTIONS' RESEARCH AND DEVELOPMENT DATA MANAGEMENT INFORMATION SYSTEM PORTAL**". It has not been previously submitted for the basis of the award of any degree or diploma for any other examining body/university.

Place :- Amravati   Nivedita Gaikwad (15005044)

Date :-   Ambika Pandit(15005058)

                                            Kunal Wanikar (15005060)

                                            Ankush Narkhede(15005070)

ABSTRACT

Innovation and technology have been predominant in every sector in India with each undergoing vast change in the past few years. Technology has made everything much easier and faster, leaving no option for various sectors of the economy but to adapt to change or fear to become obsolete. There has been a tremendous growth in digital technologies over the last few decades. Education sector is no bar to this development. Digitalisation is a must for the education sector to also adapt to a dynamic environment as it allows it to keep pace with a competitive world. Digitalization offers fluidity to the Indian education sector by being a supplementary form of the system as it is available to students as per their need. While the traditional education system has a uniform approach. Earlier all the colleges and institutes used the traditional way of storing data which makes very difficult for the college to reproduce the data when needed. All colleges within universities are being evaluated for funding and program accreditation primarily in terms of the college's curriculum, faculty, physical facilities, research and development work, and extension works, it is therefore important that documents and records related to these areas be managed efficiently from the creation, update, communication and distribution. Previously, the college relied heavily on paper records for this initiative. While paper records are a traditional way of managing student data and different work, there are several drawbacks to this method. First, to convey information to the students it should be displayed on the notice board and the student must visit the notice board to check that information. Paper records are difficult to manage and track. The physical exertion required to retrieve, alter, and re-file the paper records are all non-value added activities. To overcome these problems we needed a digital environment to handle the work more efficiently. One way of doing so was designing and implementation of a web portal which would organize the data and can overcome the drawbacks of the traditional method. Hence the project focuses on the construction and implementation of information system portal for management of files and records in the college.

Contents

List of Abbreviations

HTML	Hypertext Markup Language
CSS	Cascading Style Sheets
PHP	Hypertext Preprocessor
SQL	Structured Query Language
IS	Information System
MIS	Management Information System
KI	Key Indicators
DBMS	Database Management System
XML	eXtensible Markup Language
CGI	Common Gateway Interface
API	Application Program Interface
CMS	Content Management System

List Of Figures