Project report on

"Digitalization of the MCA Department"

A Dissertation submitted in partial fulfilment of the requirement for the award of degree

MASTER OF COMPUTER APPLICATIONS
OF
VISVESVARAYA TECHNOLOGICAL UNIVERSITY

By

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1BY22MC047

Under the Guidance of

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BMS Institute of Technology and Management

(An Autonomous Institution, Affiliated to VTU, Belagavi)

Bengaluru – 560064

July-2024

BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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Bengaluru – 560064

July-2024

CERTIFICATE

This is to certify that the dissertation titled "**Digitalization of the MCA Department**" submitted in partial fulfilment of the requirements for the degree **"Master of Computer Applications"** by Visvesvaraya Technological University is based on an original study and is record of bona fide work carried out by **Shashank Katti** bearing university registration number **1BY22MC047** during the period **April 2024 to July 2024** under our supervision and guidance and that no part of the report has been submitted for the award of any other Degree/ Diploma/ Fellowship or similar title or prizes. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Master of Computer Applications Degree.

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DECLARATION

I Shashank Katti, student of MCA, BMS Institute of Technology and Management, bearing USN 1BY22MC047 hereby declared that project entitled "**Digitalization of the MCA Department**" has been carried out by me under the supervision of guide Dr. Shivakumara T and submitted in the partial fulfilment of the requirements for the award of Degree of Master of Computer Applications by the Visvesvaraya Technological University during the academic year 2023-24. This report has not been submitted to any other Organization/University for any award of degree or certificate.

Signature

Place: Bengaluru   Name: Shashank Katti

Date: USN: 1BY22MC047

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Shashank Katti
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VISION

To develop quality professionals in Computer Applications who can provide sustainable solutions to the societal and industrial needs.

MISSION

Facilitate effective learning environment through quality education, state-ofthe-art facilities, and orientation towards research and entrepreneurial skills.

Program Educational Objectives (PEOs)

PEO 1: Develop innovative IT applications to meet industrial and societal needs.

PEO 2: Adapt themselves to changing IT requirements through life-long learning.

PEO 3: Exhibit leadership skills and advance in their chosen career.

Program Outcomes (POs)

PO 1: Apply knowledge of computing fundamentals, computing specialization, mathematics and domain knowledge to provide IT solutions.

PO 2: Identify, analyze and solve IT problems using fundamental principles of mathematics and computing sciences.

PO 3: Design, Develop and evaluate software solutions to meet societal and environmental concerns.

PO 4: Conduct investigations of complex problems using research-based knowledge and methods to provide valid conclusions.

PO 5: Select and apply appropriate techniques and modern tools for complex computing activities.

PO 6: Understand professional ethics, cyber regulations and responsibilities.

PO 7: Involve in life-long learning for continual development as an IT professional.

PO 8: Apply and demonstrate computing and management principles to manage projects in multidisciplinary environments by involving in different roles.

PO 9: Comprehend & write effective reports and make quality presentations.

PO 10: Understand the impact of IT solutions on socio-environmental issues.

PO 11: Work collaboratively as a member or leader in multidisciplinary teams.

PO 12: Identify potential business opportunities and innovate to create value for the society and seize that opportunity.

Course Outcomes (COs)

CO 1: Review the existing literature to identify and formulate the problem in contemporary technologies/ issues related to society/environment which leads to development of IT solution.

CO 2: Analyze the requirements and prepare Software requirement specifications (SRS) document as per IEEE format in consistency with the problem defined.

CO 3: Create models that are consistent with the requirements specified in the SRS.

CO 4: Develop the solution by applying appropriate techniques, software engineering and management principles and modern tools to meet the requirements either as an individual or by involving in team.

CO 5: Verify & validate the data and results to arrive at valid conclusions and communicate the work done effectively in terms of presentations, writing reports and research article as per the format given.

CO 6: Follow ethical principles in all stages of project work by avoiding plagiarism.

CO 7: Articulate the impact of IT solutions developed in the project work with respect to societal, environmental and industrial issues at large.