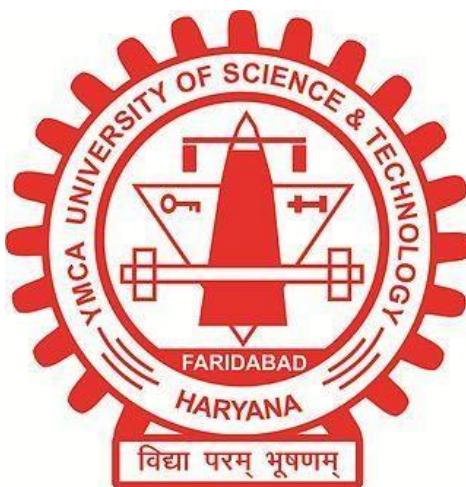


ABSTRACT BOOK

M.TECH. DISSERTATION (BATCH: 2022-2024)



Department of Computer Engineering



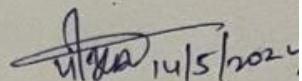
**J.C. BOSE UNIVERSITY OF SCIENCE AND
TECHNOLOGY, YMCA, FARIDABAD**

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22001504003	Ankur Kaushik	Dr. Umesh Kumar	Deep learning approach for autonomous vehicle for object detection in adverse weather
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CERTIFICATE

This is to certify that the thesis titled "**Hate Speech Detection using CNN and BERT**" submitted by **Anju Bala** to "**J. C. Bose University of Science and Technology, YMCA, Faridabad, Haryana**" for the award of the degree of Master of Technology in Computer Science & Engineering is a work carried out by her under my supervision. In my opinion, the thesis has reached the standards of fulfilling the requirements of the regulations to the degree.



14/5/2024

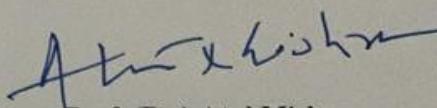
Piyush Gupta

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Atul Mishra

Prof. (Dr.) Atul Mishra

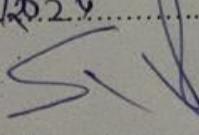
(Chairperson)

Department of Computer Engineering

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The M. Tech. Viva voice of Anju Bala, Research Scholar, has been held on

30.05.2024



Signature of External Examiner

30.05.24



Signature of Chairman/HOD

CERTIFICATE

This is to certify that the thesis titled "**Optimizing Stock Recommender System: A Hybrid Approach with Content based Filtering and Technical Indicators**" submitted by Ankit Sehrawat to "**J.C. Bose University of Science and Technology, YMCA, Faridabad**" for the award of the degree of Master of Technology in Computer Engineering is a record of bonafide work carried out by her under my supervision. In my opinion, the thesis has reached the standards of fulfilling the requirements of the regulations to the degree.



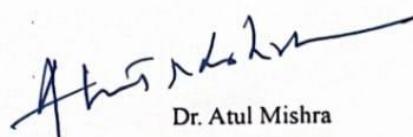
Dr. Shruti Mittal

(Supervisor)

Associate Professor,

Department of Computer Engineering

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Dr. Atul Mishra

Professor & Chairman

Department of Computer Engineering

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The M. Tech. Viva voce of Ankit Sehrawat, Research Scholar, has been held on 29-05-2024



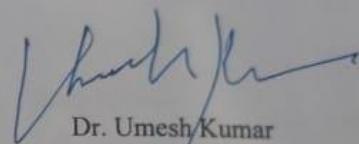
29.5.2024

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Signature of Chairman

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This is to certify that the thesis titled "**Deep learning approach for autonomous vehicle for object detection in adverse weather**" submitted by Ankur kaushik to "**J.C. Bose University of Science and Technology, YMCA, Faridabad**" for the award of the degree of Master of Technology in Computer Science & Engineering is a record of bonafide work carried out under my supervision. In my opinion, the thesis has reached the standards of fulfilling the requirements of the regulations to the degree.



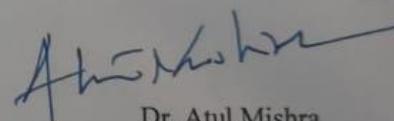
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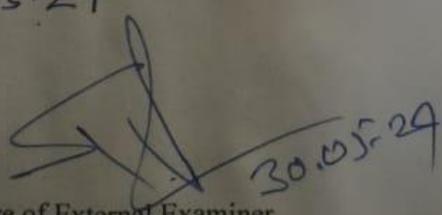
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The M. Tech. Viva voce of Ankur Kaushik, Research Scholar, has been held on
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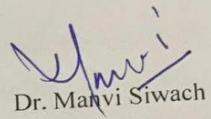
30.05.24

Signature of External Examiner

Signature of Chairman

CERTIFICATE

This is to certify that the thesis titled "Automatic Accident Detection and Reporting system using Surveillance and IOT" submitted by Manisha to "J.C. Bose University of Science and Technology, YMCA, Faridabad" for the award of the degree of Master of Technology in Computer Science and Engineering is a record of bonafide work carried out by her under my supervision. In my opinion, the thesis has reached the standards of fulfilling the requirements of the regulations to the degree



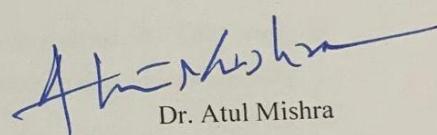
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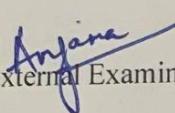
Dr. Atul Mishra

Professor & Chairman

Department of Computer Engineering

J.C. BOSE University of Science and Technology, YMCA, Faridabad

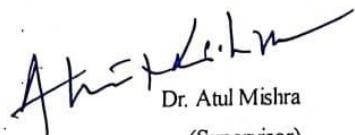
The M. Tech. Viva voce of Manisha, Research Scholar, has been held on 29-May-2024


Signature of External Examiner

Signature of Chairman

CERTIFICATE

This is to certify that the thesis titled "Optimizing Cloud Performance with Predictive Resource Scaling: A Machine Learning Approach" submitted by Mukul Sharma to "J.C. Bose University of Science and Technology, YMCA, Faridabad" for the award of the degree of Master of Technology in Computer Science Engineering is a record of bonafide work carried out by him under my supervision. In my opinion, the thesis has reached the standards of fulfilling the requirements of the regulations to the degree



Dr. Atul Mishra
(Supervisor)

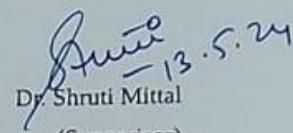
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The M. Tech. Viva voce of Mukul Sharma, Research Scholar, has been held on 29. May 2014


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Signature of Chairman

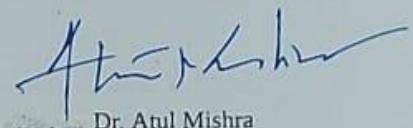
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This is to certify that the thesis titled "**Design of a Novel Advanced Traffic Management System using YOLOv8**" submitted by Neha Bhadu to "**J.C. Bose University of Science and Technology, YMCA, Faridabad**" for the award of the degree of Master of Technology in Computer Engineering is a record of bonafide work carried out by her under my supervision. In my opinion, the thesis has reached the standards of fulfilling the requirements of the regulations to the degree



Dr. Shruti Mittal
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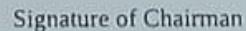
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J.C. BOSE University of Science and Technology, YMCA, Faridabad

The M. Tech. Viva voice of Neha Bhadu, Research Scholar, has been held on **29/05/24**



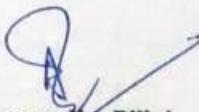
Signature of External Examiner
29.5.2024



Signature of Chairman

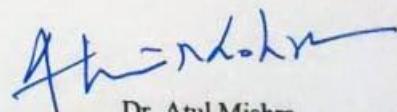
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This is to certify that the thesis titled "**Automated Driving System: A Vision for Safety**" submitted by Nitin Yadav to "**J.C. Bose University of Science and Technology, YMCA, Faridabad**" for the award of the degree of Master of Technology in Computer Science & Engineering is a record of bonafide work carried out under my supervision. In my opinion, the thesis has reached the standards of fulfilling the requirements of the regulations to the degree.



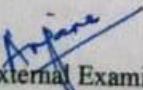
Dr. Anuradha Pillai
(Supervisor)

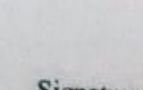
Assistant Professor,
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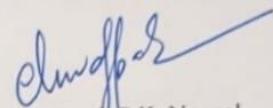
The M. Tech. Viva voce of Nitin Yadav, Research Scholar, has been held on 29-08-2014


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Signature of Chairman

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This is to certify that the thesis titled "**Food Traceability using Ethereum Blockchain**" submitted by Priya Pal to "**J.C. Bose University of Science and Technology, YMCA, Faridabad**" for the award of the degree of Master of Technology in Computer Science Engineering is a record of bonafide work carried out by her under our supervision. In our opinion, the thesis has reached the standards of fulfilling the requirements of the regulations to the degree.



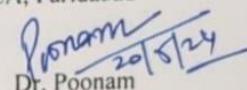
Prof. C.K. Nagpal

(Supervisor)

Dean,

Faculty of Informatics and Computing

J.C.Bose University of Science and Technology, YMCA, Faridabad



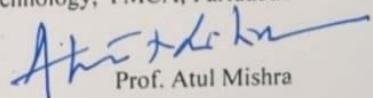
Dr. Poonam

(Co-Supervisor)

Associate Professor,

Department of Computer Engineering

J.C.Bose University of Science and Technology, YMCA, Faridabad



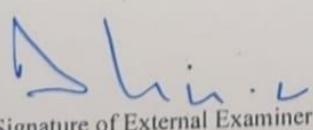
Prof. Atul Mishra

Chairman

Department of Computer Engineering

J.C.Bose University of Science and Technology, YMCA, Faridabad

The M. Tech. Viva voce of Priya Pal, Research Scholar, has been held on 29/05/2024



Signature of External Examiner

29.5.2024

Signature of Chairman

III

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This is to certify that the thesis titled "Text Extraction using visual features" submitted by Rahul Chauhan to "J.C. Bose University of Science and Technology, YMCA, Faridabad" for the award of the degree of Master of Technology in Computer Science & Engineering is a record of bonafide work carried out under my supervision. In my opinion, the thesis has reached the standards of fulfilling the requirements of the regulations to the degree.

13.05.24
Dr. Ashutosh Dixit

(Supervisor)

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Atul Mishra
Dr. Atul Mishra

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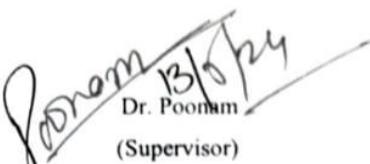
The M. Tech. Viva voce of Rahul Chauhan, Research Scholar, has been held on
29-05-2024

[Signature]
Signature of External Examiner
29.5.2024

[Signature]
Signature of Chairman

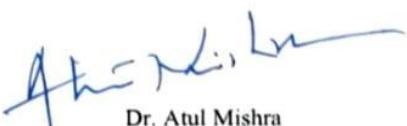
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This is to certify that the thesis titled "**Blockchain-based approach to Support Quality management of Packed Food**" submitted by Sachin Yadav to "**J.C. Bose University of Science and Technology, YMCA, Faridabad**" for the award of the degree of Master of Technology in Computer Science & Engineering is a record of bonafide work carried out under my supervision. In my opinion, the thesis has reached the standards of fulfilling the requirements of the regulations to the degree.



Dr. Poonam
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Associate Professor,

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The M. Tech. Viva voce of Sachin Yadav, Research Scholar, has been held on 29-05-2019

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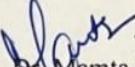
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CERTIFICATE

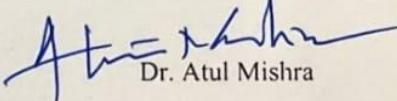
This is to certify that the thesis titled "**Automatic Speech Recognition System for Cerebral Palsy Disabled Person Using Deep Neural Network**" submitted by Sonika to "**J.C. Bose University of Science and Technology, YMCA, Faridabad**" for the award of the degree of Master of Technology in Computer Science Engineering is a record of bonafide work carried out by her under our supervision. In our opinion, the thesis has reached the standards of fulfilling the requirements of the regulations to the degree.


Dr. Preeti Sethi
(Supervisor)

Associate Professor,
Department of Computer Engineering
J.C. BOSE University of Science and Technology, YMCA, Faridabad

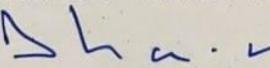

Dr. Mamta Kathuria
(Co-Supervisor)

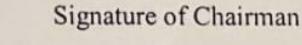
Associate Professor,
Department of Computer Applications
J.C. BOSE University of Science and Technology, YMCA, Faridabad


Dr. Atul Mishra
Professor & Chairman

Department of Computer Engineering
J.C. BOSE University of Science and Technology, YMCA, Faridabad

The M. Tech. Viva voce of Sonika, Research Scholar, has been held on **29/05/24**


Signature of External Examiner
29.5.2024


Signature of Chairman

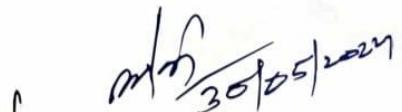
CERTIFICATE

This is to certify that the thesis titled "**Advanced Solid Waste Management using Machine Learning Techniques**" submitted by Surbhi Chawla to "**J.C. Bose University of Science and Technology, YMCA, Faridabad**" for the award of the degree of Master of Technology in Computer Engineering is a record of bonafide work carried out by her under my supervision. In my opinion, the thesis has reached the standards of fulfilling the requirements of the regulations to the degree



Dr Parul Gupta
(Supervisor)

Associate Professor,
Department of Computer Engineering
J.C. BOSE University of Science and Technology, YMCA, Faridabad



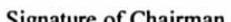
Dr. Atul Mishra
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J.C. BOSE University of Science and Technology, YMCA, Faridabad

The M. Tech. Viva voce of Surbhi Chawla, Research Scholar, has been held on 30/05/2024



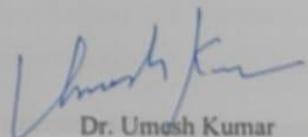
Signature of External Examiner



Signature of Chairman

CERTIFICATE

This is to certify that the thesis titled "**Optimizing Resource Allocation in High-Availability Environments with HAProxy Load Balancing**" submitted by Yash Rajoria to "**J.C. Bose University of Science and Technology, YMCA, Faridabad**" for the award of the degree of Master of Technology in Computer Science & Engineering is a record of bonafide work carried out under my supervision. In my opinion, the thesis has reached the standards of fulfilling the requirements of the regulations to the degree.



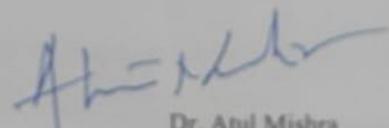
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Assistant Professor,

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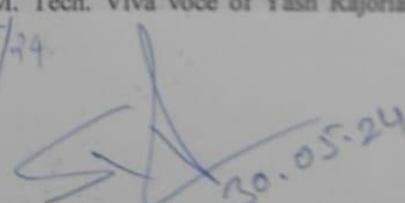
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J.C. BOSE University of Science and Technology, YMCA, Faridabad

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30/05/24



SD
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