

2022-23

UNIVERSITY OF MUMBAI

ISMAIL YUSUF COLLEGE

JOGESHWARI EAST

MUMBAI 400060



DEPARTMENT OF PHYSICS

M.Sc. - PART II

SEM IV

E-II

Proposed project topic:

**Distance Measurement Using Ultrasonic
Sensor and Arduino**

VIGHNESH SHAH

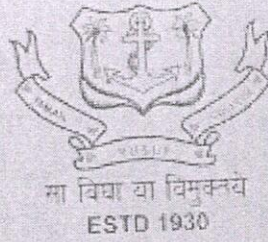


PRINCIPAL

Government of Maharashtra's
Ismail Yusuf College of
Arts, Science & Commerce.
Jogeshwari (East), Mumbai - 400 060

Seat no.: 4140670

University of Mumbai
Ismail Yusuf College of Arts Science and Commerce
Jogeshwari East Mumbai 400060



Certificate

Department of Physics

This is to certify that Mr Vighnesh Kishor Shah of M.Sc. **Part II (Electronics - II)** has satisfactorily completed the project work of Physics for Semester **IV** as prescribed in the syllabus by University of Mumbai under my supervision in the Physics Laboratory of the Ismail Yusuf College, Jogeshwari East, Mumbai 400060 which is duly signed for the academic year **2022 - 2023**.

Professor Incharge

EXAMINER

EXAMINER

18 JUL 2023

Head of Department
Head of Physics Department
Government of Maharashtra's
Ismail Yusuf College of
Arts, Science & Commerce,
Jogeshwari (East), Mumbai-400 060.



UNIVERSITY OF MUMBAI

**ISMAIL YUSUF COLLEGE
JOGESHWARI EAST
MUMBAI 400060**



DEPARTMENT OF PHYSICS

**M.Sc. - PART II
SEM IV
E-I**

Proposed Project Topic:

**ARDUINO BASED COLOR DETECTING
SYSTEM**



By Netra Madhukar Narvekar

Seat no. 4140663

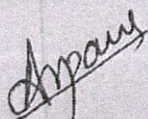
**UNIVERSITY OF MUMBAI
ISMAIL YUSUF COLLEGE
JOGESHWARI EAST
MUMBAI 400060**

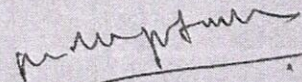


DEPARTMENT OF PHYSICS

CERTIFICATE

This is to certify that **MISS. Netra Madhukar Narvekar** a student of M.SC. PART-II (Electronics-1), has carried out satisfactorily the Project Work in Physics as prescribed by the UNIVERSITY OF MUMBAI in Physics Laboratory of the Ismail Yusuf College, Jogeshwari (E), Mumbai-400060 during IV semester of the academic Year 2022-23.


Signature of In-charge


Head,
Department of Physics

Date: _____

EXAMINER

Date: 17/7/23

[19 JUL 2023

**Head of Physics Department
Government of Maharashtra's
Ismail Yusuf College of
Arts, Science & Commerce,
Jogeshwari (East), Mumbai-400 060**



UNIVERSITY OF MUMBAI

**ISMAIL YUSUF
COLLEGE JOGESHWARI
EAST MUMBAI 400060**



DEPARTMENT OF PHYSICS

M.Sc.-PART II

SEM IV

E-I

Proposed Project Topic:

**OBSTACLE AVOIDING
ROBOTICS CAR USING
ARDUINO**



By **SHIVAM RANJEET SINGH**

Seatno. _____

UNIVERSITY OF MUMBAI

ISMAIL YUSUF
COLLEGE JOGESHWARI EAST
MUMBAI 400060



DEPARTMENT OF PHYSICS

CERTIFICATE

This is to certify that **MR. SHIVAM RANJEET SINGH** student of M.SC. PART-II (Electronics-1), has carried out satisfactorily the Project Work in Physics as prescribed by the UNIVERSITY OF MUMBAI in Physics Laboratory of the Ismail Yusuf College, Jogeshwari (E), Mumbai-400060 during _____ se

_____ se
mester of the academic Year 2022-23.

Signature of In-charge

Date: _____



EXAMINER

19 JUL 2023

Head, Department of Physics

Date: 17/7/23

Head of Physics Department
Government of Maharashtra's
Ismail Yusuf College of
Arts, Science & Commerce,
Jogeshwari (East), Mumbai-400 060.

UNIVERSITY OF MUMBAI

**ISMAIL YUSUF
COLLEGE JOGESHWARI
EAST MUMBAI 400060**



DEPARTMENT OF PHYSICS

**M.Sc.-PART II
SEM IV
E-I**

Proposed Project Topic:

**OBSTACLE AVOIDING
ROBOTICS CAR USING
ARDUINO**



By **PATHAN IRAM SABA NASIR KHAN**

Seatno. _____

UNIVERSITY OF MUMBAI

ISMAIL YUSUF
COLLEGE JOGESHWARI EAST
MUMBAI 400060

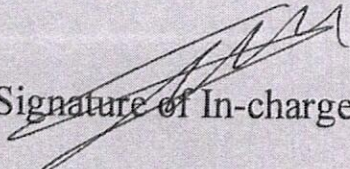


DEPARTMENT OF PHYSICS

CERTIFICATE

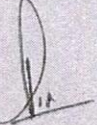
This is to certify that **Ms. PATHAN IRAM SABA NASIR KHAN** student of M.SC. PART-II (Electronics-1), has carried out satisfactorily the Project Work in Physics as prescribed by the UNIVERSITY OF MUMBAI in Physics Laboratory of the Ismail Yusuf College, Jogeshwari (E), Mumbai-400060 during

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mester of the academic Year 2022-23.

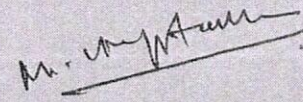

Signature of In-charge

Date: _____




EXAMINER

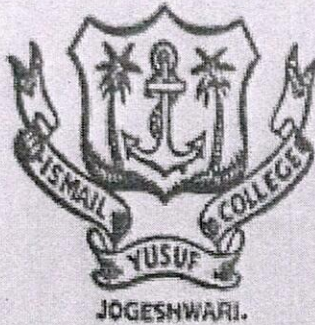
19 JUL 2023


Head, Department of Physics

Date: 17/7/23

Head of Physics Department
Government of Maharashtra's
Ismail Yusuf College of
Arts, Science & Commerce,
Jogeshwari (East), Mumbai-400 060

UNIVERSITY OF MUMBAI
ISMAIL YUSUF COLLEGE
JOGESHWARI (EAST)
MUMBAI-60



Department of Physics

Project on

FINGERPRINT LOCKING SYSTEM

SUBMITTED BY
Mr. VIKAS YADAV
Mrs. TASKEEN ANSARI

M.SC.-II (E-II) (PHYSICS)



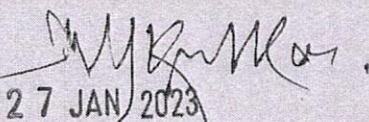
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ISMAIL YUSUF COLLEGE
JOGHESHWARI (EAST)
MUMBAI-60



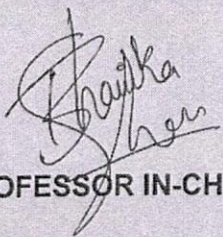
Department of Physics

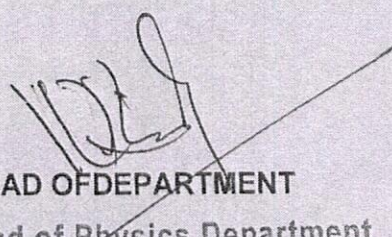
CERTIFICATE

This is to certify that Mr. VIKAS YADAV and Mrs. TASKEEN ANSARI M.SC-II (Physics) with specialization in Electronics-II (Electronic Instrumentation) completed the required one project which is duly signed during academic year 2020-22 prescribed by University of Mumbai.


27 JAN 2023

EXAMINEE


PROFESSOR IN-CHARGE


HEAD OF DEPARTMENT

Head of Physics Department
Government of Maharashtra's
Ismail Yusuf College of
Arts, Science & Commerce,
Jogeshwari (East), Mumbai-400 060.



UNIVERSITY OF MUMBAI

**ISMAIL YUSUF COLLEGE
JOGESHWARI EAST
MUMBAI 400060**



DEPARTMENT OF PHYSICS

**M.Sc. - PART II
SEM IV
E-II**

Proposed Project Topic:
ARDUINO BASED BLIND STICK



By Vikas Yadav

Seat no.: 4140668

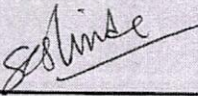
University of Mumbai
Ismail Yusuf College of Arts Science and Commerce
Jogeshwari East Mumbai 400060



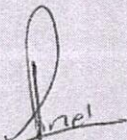
Certificate

Department of Physics

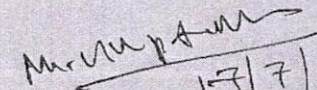
This is to certify that Ms. Taskeen Ansari of M.Sc. Part II (Electronics - II) has satisfactorily completed the project work of Physics for Semester IV as prescribed in the syllabus by University of Mumbai under my supervision in the Physics Laboratory of the Ismail Yusuf College, Jogeshwari East, Mumbai 400060 which is duly signed for the academic year **2022 - 2023**.



Professor Incharge



EXAMINER

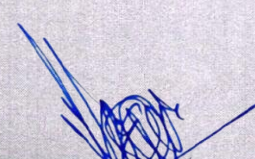


17/7/23
Head of Department



19 JUL 2023

Head of Physics Department
Government of Maharashtra's
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Jogeshwari (East), Mumbai - 400 060