



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



Approved by Board of Secondary Education, Pune University (B.S.E., Dist. No. 40/194/430/223-2022)

## Certificate

This is to certify that Mr./Ms. Jangam chaitanya Santosh Class F.Y. B-CS  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT  
gits programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Guide





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University (22 Feb. - 03/04/2024) (P/PA/2023/2024)



## Certificate

This is to certify that Mr./Ms. Kunjle Aya Mahesh Class FY-B-CS  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT  
gits programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune  
Approved to Saswad, Pune, Pune University. Id No.: 02/16-PIU/Pe/ABO/023 1/72



## Certificate

This is to certify that Mr./Ms. Shinde Roshan Raghuram Class F.Y-B-C  
has successfully completed an **Add-on course** in Introduction to Arduino Uno IoT  
of its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024.

*Mani*  
Course Co-ordinator

*Mani*  
H.O.D.

*Mani*  
Principal





Pune District Education Association

**Waghire College of Arts, Commerce and Science**

Saswad, Tal. Purandar, Dist. Pune

Phone: 020-27222222 Fax: 020-27222222



## Certificate

This is to certify that **Mr/Ms. Baze Devidas Rajendra** Class **F-4-B-05**  
has successfully completed an **Add-on course in Introduction to Arduino Uno IoT**  
**g its programming** organized by the Department of **Electronics (Computer Science)**  
from **01/01/2024 to 06/02/2024**

**Yash**  
Chief Coordinator

**Yash**  
HOD



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University (Id No. 101 No. PU/PN/45C/032/2017)



## Certificate

This is to certify that Mr./Ms. Jagtap Sameuddhi Sanjay Class F.Y.B.CS  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT  
bits programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Head of Institution





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



Affiliated to Savitribai Phule Pune University (U. No. / 10/2019/PC/100/933/1973)

## Certificate

This is to certify that Mr./Ms. Kumbharkar Rutuja Pandurang Class F.Y.B.CS  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT  
bits programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



Approved to Savitribai Phule Pune University - 10 No. - 101 No. PDEA/WCOA's 2022

## Certificate

This is to certify that Mr./Ms. Shinde Vaibhav Santosh Class F.Y.B.cs  
has successfully completed an *Add-on course* in Introduction to Arduino Uno IoT  
of its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University (B.Tal. ... in the U/1974/2019/2023)



## Certificate

This is to certify that Mr./Ms. shiesat Tanuja Ramesh Class F.Y.B.cs  
has successfully completed an *Add-on course* in Introduction to Arduino Uno IoT  
g its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal







Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune  
Waghire Education Trust Pune University, 20/10/1984, 10/10/2010, 20/10/2013



## Certificate

This is to certify that Mr/Ms. Boekae Siddhi Balasaheb Class F.Y.B.cs  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT  
bits programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



Affiliated to Savitribai Phule Pune University - B.No. 144/15, P.S. Purandar, Dist. Pune

## Certificate

This is to certify that Mr./Ms. kumbhae Tejal Santosh Class F.Y.B.cs  
has successfully completed an *Add-on course* in Inteoduction to Aeduino Uno IOT  
& its progreamming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



Affiliated to Savitribai Phule Pune University, SE Zone, (U.No. P/19/45/2003/2022)

## Certificate

This is to certify that Mr./Ms. Memane Athav Anil Class F.Y.B.cs  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT  
Git's programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
 Saswad, Tal. Purandar, Dist. Pune



Affiliated to Government's Pimpri Chinchwad Education Trust (GCET),  
 Pimpri, Dist. Pune. Reg. No. HYP/1933/1973/1973/1973

## Certificate

This is to certify that Mr./Ms. Phadtare Peethmesh Jayprakash Class F.Y.B.cs  
 has successfully completed an Add-on course in Introduction to Arduino Uno IoT  
bits programming organized by the Department of Electronics (Computer Science)  
 from 01/01/2024 to 06/02/2024.

  
 Course Co-ordinator

  
 H.O.D.

  
 Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

(Affiliated to Savitribai Phule Pune University - Reg. No. : (11) Yu. Pz. Ph. 980/2013-2017)



## Certificate

This is to certify that Mr./Ms. Saste Payal Ashok Class F.Y.B.CS  
has successfully completed an *Add-on course* in Introduction to Arduino Uno IoT  
& its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Faculty of Pune Pune University (U No. 108 No. PU/PW/ABC/025 2072)



## Certificate

This is to certify that Mr./Ms. Tramke Aakansha Chandrakant Class F.Y.B-CS  
has successfully completed an *Add-on course* in Introduction to Arduino Uno IOT  
& its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



Approved by Government of Maharashtra, Pune University, Ad. No. 1/98/Sa. (P) 10/400/2003/2002

## Certificate

This is to certify that Mr./Ms. Kambale Dipali Mahendra Class F.Y.B.cs  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT  
bits programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



(Approved by the Government of Maharashtra, No. P-10/2019/1233/1072)

## Certificate

This is to certify that Mr/Ms. Kamthe Siddhi Jagdish Class F.Y.B.CS  
has successfully completed an **Add-on course in** Introduction to Arduino Uno IoT  
bits programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal







Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

ADDRESS TO SACRIFICIAL PUNE PUNE UNIVERSITY ID NO. 10286 PL/PH/A/NO/03/01/02/1



## Certificate

This is to certify that Mr./Ms. Jadhav Akanksha Gozakhnath Class F.Y.B.CS  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT  
of its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



(Approved to Establish Private Pune University - U No. - 01/19/1993/033/0272)

## Certificate

This is to certify that Mr./Ms. Tbhad Uemila Sahadev Class F-4-B-CS  
has successfully completed an Add-on course in Introduction to Arduino Uno IOT  
gits programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

(Approved by Maharashtra State Board of Secondary Education, Mumbai)



## Certificate

This is to certify that Mr/Ms. Jagtap Radhika Peakash Class F.Y.B-CS  
has successfully completed an *Add-on course* in Introduction to Arduino Uno IoT  
its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
U.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Approved by (Section) Pune-Pune University, (Reg. No.) 10/144 (U)/19/2000/033 (2017)



## Certificate

This is to certify that Mr./Ms. Gaikwad Om Subhash Class F.Y.B.cs  
has successfully completed an *Add-on course* in Introduction to Arduino Uno IoT  
IoT programming organized by the Department of Electronics (computer science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

affiliated to Savitribai Phule Pune University, (U No. 10/1994/152/2011/1972)



## Certificate

This is to certify that Mr./Ms. Tamhane Sanchiti Dhanaji Class F.Y.B.CS  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT  
gits programming organized by the Department of Electronics (Computer science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.







Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

(Approved for Bachelor's Program Pune University - SF No. 1/14 No. PU/PS/AMU/003/2017)



## ~ Certificate ~

This is to certify that Mr./Ms. Phadtare Aishwarya Santosh Class P.Y.B.cs  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT  
& its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024.

  
Course Co-ordinator

  
H.O.D.

  
Principal



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



## Certificate

This is to certify that Mr/Ms. **Valiyapazambath Anaswaa** Class F.Y-B-C5  
has successfully completed an **Add-on course in Introduction to Arduino Uno IOT  
& its programming** organized by the Department of **Electronics (Computer Science)**  
from **01/01/2024 to 06/02/2024**

  
Course Co-ordinator

  
H.O.D.

  
Principal



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
 Saswad, Tal. Purandar, Dist. Pune



*Certificate*

This is to certify that Mr./Ms. Tamhane Ganesh Ramdas Class FY-B cs  
 has successfully completed an *Add-on course* in Introduction to Arduino Uno IoT  
gits programming organized by the Department of Electronics (Computer Science)  
 from 01/01/2024 to 06/02/2024

*man*  
 Course Co-ordinator

*man*  
 H.O.D.

*man*  
 Waghire  
 College of Arts, Commerce and Science







Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



Waghire's Saswad, Pune Pune University - 411 001, Maharashtra, India (1972)

## Certificate

This is to certify that Mr./Ms. Memane Dipali Rupeshkumare Class F.Y.B.cs  
has successfully completed an *Add-on course* in Introduction to Arduino Uno IoT  
& its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Approved & affiliated to Pimpri Chinchwad Education Trust (PCET) & Pimpri Chinchwad Education Trust (PCET)



## Certificate

This is to certify that Mr./Ms. Ghogase Chaitanya Anil Class F.Y. B.CS  
has successfully completed an *Add-on course* in Introduction to Arduino Uno IoT  
gits programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Head of Department





Pune District Education Association's

**Waghire College of Arts, Commerce and Science**

Saswad, Tal, Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University - 11 No. 1, 10/94, 10/95, 10/96/10/97/2012



## Certificate

This is to certify that Mr./Ms. Waghmode Sakshi Papat Class F.Y.B.CS  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT  
gits programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pure District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University, 421001, Dist. Purandar, Maharashtra



## Certificate

This is to certify that Mr./Ms. Katake Tejas Shivaji Class F.Y.B-OS  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT  
g its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Addressed to: Saswad, Tal. Purandar, Dist. Pune. Pin No. - 412 202. Phone No. - 020-27202020/27202021



## Certificate

This is to certify that Mr/Ms. Ghaemalkar Ankita Arvind Class F.Y.B.CS  
has successfully completed an Add-on course in Introduction to Arduino Uno IOT  
gits programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Coordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Sanwad, Tal. Purandar, Dist. Pune



Waghire College of Arts, Commerce and Science, Sanwad, Tal. Purandar, Dist. Pune-422122

## Certificate

This is to certify that Mr./Ms. Kamthe Rutuja Vishwas Class F.Y.B-CS  
has successfully completed an Add-on course in Introduction to Arduino Uno IOT  
& its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

(Affiliated to Savitribai Phule Pune University - AI No. 20/As. Pur/W/450/198 (2012))



## Certificate

This is to certify that Mr/Ms. Bhosale Sanika Santosh Class F.Y.B.CS  
has successfully completed an *Add-on course* in Introduction to Arduino Uno IoT  
gits programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Student





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



(Approved by Government of Maharashtra, Pune-Pune University, UO No. 10796, PU No. 1000/033 (2012))

## Certificate

This is to certify that Mr./Ms. kul Ankita Sunil Class F.Y-B-C5

has successfully completed an Add-on course in Inteoaduction to Aeduino Uno IoT  
gits peogramming organized by the Department of Electeonics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal







Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

(Approved to Savitribai Phule Pune University - 10 Feb., 2016 No. Ph/45/2016-2017)



## Certificate

This is to certify that Mr./Ms. Zusange Dhizaj Uttam Class F.Y.B-OS  
has successfully completed an *Add-on course* in Introduction to Arduino Uno IoT  
gits programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**

Saswad, Tal. Purandar, Dist. Pune

(Approved by Savitribai Phule Pune University - SI No. -/AF No. P/1/Ph/382/133-1372)



## Certificate

This is to certify that Mr./Ms. Jagtap Roshan Sanjay \_\_\_\_\_ Class F.Y.B.CS  
has successfully completed an *Add-on course* in Introduction to Arduino Uno IoT  
& its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024.

  
Course Co-ordinator

  
H.O.D.

  
Principal



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
 Saswad, Tal. Purandar, Dist. Pune



Approved to Savitribai Phule Pune University, 50 (A) - 10/10/2010, 49/10/2012, 2013, 2019

## Certificate

This is to certify that Mr./Ms. Jagtap Peethmesh Yogesh Class F.Y.B.cs  
 has successfully completed an Add-on course in Introduction to Arduino Uno IoT  
& its programming organized by the Department of Electronics (Computer Science)  
 from 01/01/2024 to 06/02/2024

*Y. N. A. P.*  
 Course Co-ordinator

*Y. N. A. P.*  
 H.O.D.

*Pravin Chaudhari*  
 Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University, 19 Mo., (A No. PU/PURAND/1023/2022)



## Certificate

This is to certify that Mr./Ms. Shinde Gayatri Vitthal Class F.Y.B-OS  
has successfully completed an *Add-on course* in Introduction to Arduino Uno IoT  
& its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
R.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University - SI No. 1, 2 & 3, P. U. (A) - 452-1544 (2012)



## Certificate

This is to certify that Mr./Ms. Chavan Aarti Dnyaneshwar Class F.Y.B-OS  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT  
git programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Faculty



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University, 30 Tal. List No. 40/1914/ABC/035 (2019)



## Certificate

This is to certify that Mr./Ms. Shinde Rutuja Rajendra Class FY-B-CS  
has successfully completed an *Add-on course* in Introduction to Arduino Uno IoT  
bits programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University (Id No. : Hd No. PU/Ph/ABC/133/2022)



## Certificate

This is to certify that Mr./Ms. Kudale Mayuzi Somnath Class F.Y.B.CS  
has successfully completed an **Add-on course in** Introduction to Arduino Uno IoT  
bits programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024.

  
Course Co-ordinator

  
H.O.D.

  
Principal



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Website: www.waghirecollege.edu.in | Email: info@waghirecollege.edu.in



## Certificate

This is to certify that Mr./Ms. Pradhan Prasad Shivaji Class F.Y.B.CS  
has successfully completed an **Add-on course in** Introduction to Arduino Uno IoT  
bits programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

*Mami*  
Course Co-ordinator

*Mami*  
H.O.D.

*Mami*  
Principal







Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



affiliated to Savitribai Phule Pune University - 18, No. 1, 2 & 3, P. O. Saswad, Dist. Pune

## Certificate

This is to certify that Mr./Ms. shinde Bhakti Rajaram Class F.Y.B.CS  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT  
g its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Approved by Government of Maharashtra, M. No. 118/Sr. 122/P.100/2023-24/27



## Certificate

This is to certify that Mr./Ms. Gaikwad Sakshi Anil Class FY-B-C  
has successfully completed an *Add-on course* in Introduction to Arduino Uno IoT  
Its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Head of Institution





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University, (U No. - 22/86, P.U. Purandar/2023/2022)



## Certificate

This is to certify that Mr./Ms. Pawar Vaishnavi Ramesh Class F.Y.B.CS  
has successfully completed an *Add-on course* in Introduction to Arduino Uno IoT  
of its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Authority





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University - ID No. ... of A.C. (W) ASC/033-2072



## Certificate

This is to certify that Mr./Ms. Lakhe Athav Yashwant Class F.Y.B.CS  
has successfully completed an **Add-on** course in Introduction to Arduino Uno IoT  
bits programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Sahakarika Pimpri Chinchwad Education Trust (PCET) (Reg. No. 1001/2010/PCET/PCET/0022/2010)



## Certificate

This is to certify that Mr./Ms. Mhaske Tanuja Bharat Class F.Y.B.CS  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT &  
its Programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024.

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University (Id No. 112 Nil. PU/PN/ASC/033/1872)



## Certificate

This is to certify that Mr./Ms. Memane sneha Ganesh Class F.Y.B.CS  
has successfully completed an **Add-on course** in Introduction to Arduino Uno IoT &  
its Programming organized by the Department of Electronics (computer science)  
from 01/01/2024 to 06/02/2024.

  
Course Co-ordinator

  
H.O.B.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune  
Approved by Savitribai Phule Pune University - 12/10/2014, 15/10/2015, 16/10/2016, 17/10/2017



## Certificate

This is to certify that Mr./Ms. Khedekar Sakshi Sandip Class P.Y.B-CS  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT &  
IoT Programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 05/02/2024

  
Center Coordinator

  
HOD

  
Head of Department



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Sahakarai Pune Pune University - M No. 148 No. Pu/P/2019/1133/1121



## Certificate

This is to certify that Mr./Ms. Gurav Pratik Santosh Class F.Y. B. CS

has successfully completed an Add-on course in Introduction to Arduino Uno IOT & its Programming organized by the Department of Electronics (Computer Science)

from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal







Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University - 81 No. - 21 No. 93/Phu-25C/022/2012/



## Certificate

This is to certify that Mr/Ms. Deakar Pratik Rajendra Class F.Y. B.sc.  
has successfully completed an Add-on course in Introduction to Arduino uno IoT &  
its Programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 05/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





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**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune  
(Affiliated to Savitribai Phule Pune University - Reg. Lic. No. 100/1400/185/2012)



## Certificate

This is to certify that Mr./Ms. Hazel Mandar Dattajay Class F.Y.B.Sc  
has successfully completed an Add-on course in Introduction to Arduino Uno IOT &  
Its Programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





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**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University | U.No. 100/Ph/P/2019/033-0372



## Certificate

This is to certify that Mr./Ms. Limbhore Abhishek Dattatray Class F-Y-B SC  
has successfully completed an **Add-on course** in Introduction to Arduino Uno IoT &  
its Programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024.

  
Course Co-ordinator

  
H.O.D.

  
Principal





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Saswad, Tal. Purandar, Dist. Pune

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## Certificate

This is to certify that Mr/Ms. Phalake Jaydeep Dnyaneshwar Class F.Y.B.sc.  
has successfully completed an *Add-on course* in Introduction to Arduino Uno IoT &  
its Programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024.

  
Course Co-ordinator

  
H.O.D.

  
Waghire  
College





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**

Saswad, Tal. Purandar, Dist. Pune

Approved to Sahakarai Phule Pune University - Reg. No. 191/96, Purandara/2023/2024



*Certificate*

This is to certify that Mr/Ms. kakade Palak Manohar Class F.Y.B.sc  
has successfully completed an *Add-on course* in Introduction to Arduino Uno IoT &  
Its Programming organized by the Department of Electronics (computer science)  
from 01/01/2024 to 06/04/2024

*mani*  
Course Co-ordinator

*mani*  
H.O.D.

*Principals*  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



## Certificate

This is to certify that Mr./Ms. Kadam Pranav Rohidas Class F.Y.B.Sc.  
has successfully completed an *Add-on course* in **Introduction to Arduino Uno IoT &  
its Programming** organized by the Department of Electronics (computer science)  
from 01/01/2024 to 06/02/2024.

  
Course Co-ordinator

  
H.O.D.

  
H.O.D.





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**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

(Affiliated to Savitribai Phule Pune University - U No. - 24/84-PU/PW/45C/2013-2012)



## Certificate

This is to certify that Mr./Ms. Chavan Soham Ganesh Class F-Y-B-sc  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT &  
its Programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





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**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University (Reg. No.: 61/100/PU/MS/2023-1317)



## *Certificate*

This is to certify that Mr./Ms. Raskat Sakshi Anil Class F-Y. B.Sc  
has successfully completed an **Add-on course** in **Introduction to Arduino Uno IoT &**  
**its Programming** organized by the Department of **Electronics (Computer Science)**  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal







Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Registered to Government of Maharashtra - Reg. No. : 101 No. PDEA/ACC/005-08/21



## Certificate

This is to certify that Mr./Ms. Kamathe Renuka Shivaji Class F-Y- B-sc  
has successfully completed an **Add-on course** in Introduction to Arduino Uno IoT &  
its Programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
R.O.D.

  
Principal





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Saswad, Tal. Purandar, Dist. Pune



Approved by Govt of Maharashtra, Pune 2014/15/16/17/18/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100/101/102/103/104/105/106/107/108/109/110/111/112/113/114/115/116/117/118/119/120/121/122/123/124/125/126/127/128/129/130/131/132/133/134/135/136/137/138/139/140/141/142/143/144/145/146/147/148/149/150/151/152/153/154/155/156/157/158/159/160/161/162/163/164/165/166/167/168/169/170/171/172/173/174/175/176/177/178/179/180/181/182/183/184/185/186/187/188/189/190/191/192/193/194/195/196/197/198/199/200/201/202/203/204/205/206/207/208/209/210/211/212/213/214/215/216/217/218/219/220/221/222/223/224/225/226/227/228/229/230/231/232/233/234/235/236/237/238/239/240/241/242/243/244/245/246/247/248/249/250/251/252/253/254/255/256/257/258/259/260/261/262/263/264/265/266/267/268/269/270/271/272/273/274/275/276/277/278/279/280/281/282/283/284/285/286/287/288/289/290/291/292/293/294/295/296/297/298/299/300/301/302/303/304/305/306/307/308/309/310/311/312/313/314/315/316/317/318/319/320/321/322/323/324/325/326/327/328/329/330/331/332/333/334/335/336/337/338/339/340/341/342/343/344/345/346/347/348/349/350/351/352/353/354/355/356/357/358/359/360/361/362/363/364/365/366/367/368/369/370/371/372/373/374/375/376/377/378/379/380/381/382/383/384/385/386/387/388/389/390/391/392/393/394/395/396/397/398/399/400/401/402/403/404/405/406/407/408/409/410/411/412/413/414/415/416/417/418/419/420/421/422/423/424/425/426/427/428/429/430/431/432/433/434/435/436/437/438/439/440/441/442/443/444/445/446/447/448/449/450/451/452/453/454/455/456/457/458/459/460/461/462/463/464/465/466/467/468/469/470/471/472/473/474/475/476/477/478/479/480/481/482/483/484/485/486/487/488/489/490/491/492/493/494/495/496/497/498/499/500/501/502/503/504/505/506/507/508/509/510/511/512/513/514/515/516/517/518/519/520/521/522/523/524/525/526/527/528/529/530/531/532/533/534/535/536/537/538/539/540/541/542/543/544/545/546/547/548/549/550/551/552/553/554/555/556/557/558/559/560/561/562/563/564/565/566/567/568/569/570/571/572/573/574/575/576/577/578/579/580/581/582/583/584/585/586/587/588/589/590/591/592/593/594/595/596/597/598/599/600/601/602/603/604/605/606/607/608/609/610/611/612/613/614/615/616/617/618/619/620/621/622/623/624/625/626/627/628/629/630/631/632/633/634/635/636/637/638/639/640/641/642/643/644/645/646/647/648/649/650/651/652/653/654/655/656/657/658/659/660/661/662/663/664/665/666/667/668/669/670/671/672/673/674/675/676/677/678/679/680/681/682/683/684/685/686/687/688/689/690/691/692/693/694/695/696/697/698/699/700/701/702/703/704/705/706/707/708/709/710/711/712/713/714/715/716/717/718/719/720/721/722/723/724/725/726/727/728/729/730/731/732/733/734/735/736/737/738/739/740/741/742/743/744/745/746/747/748/749/750/751/752/753/754/755/756/757/758/759/760/761/762/763/764/765/766/767/768/769/770/771/772/773/774/775/776/777/778/779/780/781/782/783/784/785/786/787/788/789/790/791/792/793/794/795/796/797/798/799/800/801/802/803/804/805/806/807/808/809/810/811/812/813/814/815/816/817/818/819/820/821/822/823/824/825/826/827/828/829/830/831/832/833/834/835/836/837/838/839/840/841/842/843/844/845/846/847/848/849/850/851/852/853/854/855/856/857/858/859/860/861/862/863/864/865/866/867/868/869/870/871/872/873/874/875/876/877/878/879/880/881/882/883/884/885/886/887/888/889/890/891/892/893/894/895/896/897/898/899/900/901/902/903/904/905/906/907/908/909/910/911/912/913/914/915/916/917/918/919/920/921/922/923/924/925/926/927/928/929/930/931/932/933/934/935/936/937/938/939/940/941/942/943/944/945/946/947/948/949/950/951/952/953/954/955/956/957/958/959/960/961/962/963/964/965/966/967/968/969/970/971/972/973/974/975/976/977/978/979/980/981/982/983/984/985/986/987/988/989/990/991/992/993/994/995/996/997/998/999/1000

## Certificate

This is to certify that Mr./Ms. Kamthe krushnal Arvind Class F-Y-B-SC  
has successfully completed an *Add-on course* in **Introduction to Arduino Uno IoT &  
its Programming** organized by the Department of **Electronics (Computer Science)**  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Sahakar Praveer Pune University (Id No. 12076, Rg/Ph/AGC-039/1872)



## Certificate

This is to certify that Mr./Ms. Waghachoure Sakshi Balaso \_\_\_\_\_ Class F.Y-B.Sc  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT &  
its Programming organized by the Department of Electronics (computer science)  
\_\_\_\_\_ from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
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Saswad, Tal. Purandar, Dist. Pune

Affiliated to Sahakar Pune Pune University. Id No. : 10/30, PU/PU/ABC/2018/1872



## Certificate

This is to certify that Mr./Ms. Jogai Sahil Shamu Class 5.Y. B.sc  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT &  
its Programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

(Approved by Government of Maharashtra, State Council of Educational Research and Training)



## Certificate

This is to certify that Mr./Ms. **Hingane Prathmesh Sanjay** \_\_\_\_\_ Class **F.Y.B.Sc**  
has successfully completed an **Add-on course in Introduction to Arduino Uno IoT &**  
**its Programming** organized by the Department of **Electronics (Computer Science)**  
\_\_\_\_\_ from **01/01/2024** to **06/04/2024**

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Approved by Sahakar Pradhikaran, Pune University. Aff. No. 142/19/1980/1980/033-037/21



## Certificate

This is to certify that Mr./Ms. kamthe Disha Anil Class E.Y.B-sc  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT &  
(Its Programming) organized by the Department of Electronics (Computer science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.







Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



Recognized by Maharashtra State Open University, AI No. 101/2019/2020/101/10/21

## Certificate

This is to certify that Mr./Ms. **Takawale Atharv Santosh** \_\_\_\_\_ Class **F.Y.B.Sc**  
has successfully completed an Add-on course in **Introduction to Arduino Uno IoT &**  
**its Programming** organized by the Department of **Electronics (Computer Science)**  
from **01/01/2024 to 06/02/2024**

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



## Certificate

This is to certify that Mr/Ms. Kamthe Poonam Rajendra \_\_\_\_\_ Class F.Y. B.Sc  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT &  
its Programming organized by the Department of Electronics (Computer Science)  
\_\_\_\_\_ from 01/01/2024 to 06/01/2024

  
Course Co-ordinator

  
H.O.D.









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**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Sahakar's Pravara Pune University | Id No. : 101/101/PJ/PL/48C/033-1972 |



## Certificate

This is to certify that Mr./Ms. Dagade Peanita Balaku Class F.Y.B.Sc  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT &  
its Programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
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Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University - Ed No. 1 (B No. PU/Pho/01/173-2012)



*Certificate*

This is to certify that Mr./Ms. Pawar Nutan Santosh Class F-Y-B-sc

has successfully completed an Add-on course in Introduction to Arduino Uno IoT & its Programming organized by the Department of Electronics (Computer Science)

from 01/01/2024 to 06/02/2024

*Mani*  
Course Co-ordinator

*Mani*  
H.O.D.

*Mani*  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal: Purandar, Dist. Pune



Waghire & Associates Private Limited, 20/No. 1, Sector 7B, MIDC, Chhatrapati

## Certificate

This is to certify that Mr./Ms. Akash/Pratiksha Rajendra Class F.Y.B.Sc  
has successfully completed an *Add-on course* in Introduction to Arduino Uno IoT &  
its Programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/04/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

(Approved to Sachinbhai Phule Pune University - 01 Feb., 2016 - PUNE/AC/023/2012)



## Certificate

This is to certify that Mr/Ms. Jagtap Yash Sunil Class F.Y.B.Sc  
has successfully completed an **Add-on** course in Introduction to Arduino Uno IoT &  
its Programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's

**Waghire College of Arts, Commerce and Science**

Saswad, Tal. Purandar, Dist. Pune

Affiliated to Swikirti's Pimpri Chinchwad University (SI No. 104/191/19/19/1/ASC/033 (2022))



## Certificate

This is to certify that Mr./Ms. Rout Mayuresh Sandeep Class F.Y-B.sc  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT &  
its Programming organized by the Department of Electronics (computer science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Approved by Government of Maharashtra, Pune University. Is No. 143 No. 14/174/ASC/0233-1572



## Certificate

This is to certify that Mr./Ms. Girme Tejal Baban Class F.Y-B.sc  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT &  
its Programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





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Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University - 14 Nil. - 00 No. PU-PW-352/033-2012



## Certificate

This is to certify that Mr./Ms. Pawar Shweta Namdev Class F.Y.B.Sc  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT &  
its Programming organized by the Department of Electronics (Computer science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





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Saswad, Tal. Purandar, Dist. Pune

(Affiliated to Savitribai Phule Pune University - ID No. 110 No. P/2019/ASC/933-5872)



## *Certificate*

This is to certify that Mr./Ms. Chirame shreyash Ashok Class F.Y.B.Sc

has successfully completed an Add-on course in Introduction to Arduino Uno IoT &  
its Programming organized by the Department of Electronics (Computer Science)

from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal







Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**

Saswad, Tal. Purandar, Dist. Pune

अभिनाम हि संमिद्धि पुणे पुणे संस्था - ४११००१ - (०११५) पुणे/२०२३-२०२४



*Certificate*

This is to certify that Mr./Ms. Gogawale Aeyan kiran Class F.Y.B.Sc

has successfully completed an *Add-on course* in Introduction to Arduino Uno IoT &  
its Programming organized by the Department of Electronics (computer science)

from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University (U No. 1/17 No. PU/Ph/2020/030 1872)



## Certificate

This is to certify that Mr/Ms. Gupta Janvi Guddu Class F.Y. B-SC  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT &  
its Programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 05/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's

**Waghire College of Arts, Commerce and Science**

Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University - 1st No. 1 (1976) P.O. No. 482/229/1972



## Certificate

This is to certify that Mr./Ms. Pawar Aditi Ananta Class P. Y. B. SC

has successfully completed an *Adil-on course* in Introduction to Arduino Uno IOT & its Programming organized by the Department of Electronics (Computer Science)

from 01/01/2024 to 05/02/2024

  
Course Co-ordinator

  
H.O.D.







Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

affiliated to Savitribai Phule Pune University - Tel. No. : 020 2619 9800, 2619 9879



## Certificate

This is to certify that Mr./Ms. Algude Pranav Eknath Class F.Y.B.Sc(S)  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT &  
its Programming organized by the Department of Electronics (computer science)  
from 01/01/2024 to 01/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**

Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University (U No. 102 No. 10/10/1450/2015-2017)



## Certificate

This is to certify that Mr./Ms. Lonkar Vaishnavi Sanjay Class F.Y.B-CS

has successfully completed an **Add-on course in Introduction to Arduino Uno IoT & its Programming** organized by the Department of **Electronics (Computer Science)**

from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University (U.No. (Ud.No./Pw/Pw/ABC/033-2012)



## Certificate

This is to certify that Mr./Ms. Zende shreyash Dnyaneshwar Class F.Y. B.Sc (S)  
has successfully completed an **Add-on course** in Introduction to Arduino Uno IoT &  
its Programming organized by the Department of Electronics (Computer Science)

from \_\_\_\_\_ to \_\_\_\_\_

  
Course Co-ordinator

  
H.O.D.

  
Principal



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University | IC No. : 10/56/PU/PW/ASC/2003/3372 |



## Certificate

This is to certify that Mr./Ms. Panchal Sahil Santosh Class F.Y.B.Sc(IS)

has successfully completed an **Add-on course** in Introduction to Arduino Uno IOT & its Programming organized by the Department of Electronics (Computer Science)

from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University (of Arts, Commerce, Science & Education)



## Certificate

This is to certify that Mr/Ms. Ingale Rohan Ashok Class F.Y.B.Sc

has successfully completed an Add-on course in Introduction to Arduino Uno IoT & its Programming organized by the Department of Electronics (Computer Science)

from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal







Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Approved by Government of Maharashtra, Pune University. Reg. No. 106/10, P.W. ASC/1025-2012



## Certificate

This is to certify that Mr./Ms. Raybhae Yash Devidas Class F.Y.B.cs  
has successfully completed an **Add-on course** in Introduction to Arduino Uno IoT  
bits programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune  
Approved by Savitribai Phule Pune University - 10/10/1997 (No. 10/10/1997/10/10/1997/10/10/1997)



## Certificate

This is to certify that Mr/Ms. Uesal Siddhi Yadavendra Class F.Y.B.CS  
has successfully completed an *Add-on course* in Introduction to Arduino Uno IoT  
& its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University (A7/NL/14/54/PDPE/SC/903/1972)



## Certificate

This is to certify that Mr./Ms. Palange Aeyan Sapan Class F.Y.B.cs  
has successfully completed an *Add-on course* in Introduction to Arduino Uno IOT  
& its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University / B No. : 102/50 / P/11/AC/223/2022 /



## ~ Certificate ~

This is to certify that Mr./Ms. Hole Aditya santosh Class F-Y-B-CS  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT  
bits programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024.

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune  
Waghire Education Trust, Pune University, W. Tal. Saswad, Dist. Pune-412201



## Certificate

This is to certify that Mr./Ms. Sable Avishkar Pealhad Class F.Y.B-CA  
has successfully completed an *Add-on course* in Introduction to Arduino Uno IoT  
gits programming organized by the Department of Electronics (Computer science)  
from 01/01/2024 to 06/02/2024

  
Course Coordinator

  
H.O.D.

  
Principal



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune  
Affiliated to Savitribai Phule Pune University - Aff No. .../10/104/PW/94/1032/1035/2012/



## Certificate

This is to certify that Mr./Ms. Gupta Akash Shivdhaei Class F.Y.B.CS  
has successfully completed an *Aid-on course* in Introduction to Arduino Uno IoT  
Gits Programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune  
(Affiliated to Savitribai Phule Pune University - at Nil - of No. PU/PC/MS/C/333/1872)



## Certificate

This is to certify that Mr./Ms. Jagtap Sheuti Balasaheb Class F.Y.B.CS  
has successfully completed an **Add-on course** in Introduction to Arduino Uno IoT  
its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

*man*  
Course Co-ordinator

*man*  
H.O.D.

*man*  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Approved to Savitribai Phule Pune University - ID No. - (M No. PU/PW/MC/CES-1572)



## Certificate

This is to certify that Mr./Ms. Gueau Tanmay Avinash Class F.Y.B.CS  
has successfully completed an *Add-on course* in Introduction to Arduino Uno IoT  
gits programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal







Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune  
Approved by Savitribai Phule Pune University - Reg. No. : 194 No. PUN/PHU/100/2023/1172



## Certificate

This is to certify that Mr./Ms. Daakee Rushikesh Class F.Y.B.CS  
has successfully completed an **Add-on course** in Introduction to Arduino Uno IoT  
bits programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024.

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Approved by Government of Maharashtra, No. 10/10/2013/100/100-1072



## Certificate

This is to certify that Mr/Ms. Kapare Sakshi Class P.Y.B.CS

has successfully completed an Add-on course in Introduction to Arduino Uno IoT  
bits programming organized by the Department of Electronics (Computer Science)

from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pura District Education Association's  
**Waghire College of Arts, Commerce and Science**  
 Sitewadi Tal. Parandol Dist. Pura  
 (Opposite to Sitewadi Road, Pura, Tal. Parandol, Dist. Pura)



## Certificate

This is to certify that Mr. M. Pankaj Ashok Raj (Class: Y. BSc. C&A) has successfully completed an Add-on course in Introduction to Robotics and IoT & AI programme organized by the Department of Electronics (Computer Science) from 01/01/2024 to 06/01/2024.

  
 Head of Department

  
 HOD

  
 HOD



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University (U. No. - 33/64 - PU/PN/330/033/1972)



## Certificate

This is to certify that Mr./Ms. Takawale Sneha Sambhaji Class S.Y.B.Sc(CS)  
has successfully completed an Add-on course in Introduction to Arduino uno, IoT  
& its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association

**Waghire College of Arts, Commerce and Science**

Saswad, Tal. Purandhar, Dist. Pune

Approved by Government of Maharashtra, Pune University, 1976. Affiliated to Pimpri Chinchwad Education Trust



## Certificate

This is to certify that Mr. Mr. Pilank Harshada Shrivastava has successfully completed an add-on course in Introduction to Robotics and AI of its programming organized by the Department of Electronics, Computers, Science from the date of 16/12/2024

Head of Department

Head of Institute



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University - 18 No. - (H. No. P. 11/1/1982/933-2022)



## Certificate

This is to certify that Mr./Ms. Pawaz Kshitija Vanzaj Class 5-Y BSc(ES)  
has successfully completed an Add-on course in Introduction to Arduino Uno, IoT  
fits programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024.

  
Course Co-ordinator

  
H.O.D.

  
Principal



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
 Saswad, Tal. Purandar, Dist. Pune



Approved by Govt. of Maharashtra, Pune University (Reg. No. 1 (2) No. 111/1994/1000/2003-2019)

## Certificate

This is to certify that Mr/Ms. Limbhore Shivani Dhonanjoy (Class 5<sup>th</sup> B.Sc.ECS)  
 has successfully completed an Add-on course in Introduction to Arduino uno, IoT  
 & its programming organized by the Department of Electronics (Computer Science)

from 01/01/2024 to 06/02/2024.

  
 Course Co-ordinator

  
 H.O.D.

  
 Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University - 19/165 - 19/165 - 19/165 - 19/165 - 19/165



## Certificate

This is to certify that Mr/Ms. Kunjiz Aditi Dikp - Class 8-Y 05065  
has successfully completed an Add-on course in Introduction to Arduino Uno, IoT &  
its Programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 05/02/2024.

  
Course Co-ordinator

  
I.O.D.

  
Principal







Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
 Saswad, Tal. Purandar, Dist. Pune



affiliated to Savitribai Phule Pune University - SI No. 101/102/103/104/105/106/107/108/109/110/111/112/113/114/115/116/117/118/119/120/121/122/123/124/125/126/127/128/129/130/131/132/133/134/135/136/137/138/139/140/141/142/143/144/145/146/147/148/149/150/151/152/153/154/155/156/157/158/159/160/161/162/163/164/165/166/167/168/169/170/171/172/173/174/175/176/177/178/179/180/181/182/183/184/185/186/187/188/189/190/191/192/193/194/195/196/197/198/199/200/201/202/203/204/205/206/207/208/209/210/211/212/213/214/215/216/217/218/219/220/221/222/223/224/225/226/227/228/229/230/231/232/233/234/235/236/237/238/239/240/241/242/243/244/245/246/247/248/249/250/251/252/253/254/255/256/257/258/259/260/261/262/263/264/265/266/267/268/269/270/271/272/273/274/275/276/277/278/279/280/281/282/283/284/285/286/287/288/289/290/291/292/293/294/295/296/297/298/299/300/301/302/303/304/305/306/307/308/309/310/311/312/313/314/315/316/317/318/319/320/321/322/323/324/325/326/327/328/329/330/331/332/333/334/335/336/337/338/339/340/341/342/343/344/345/346/347/348/349/350/351/352/353/354/355/356/357/358/359/360/361/362/363/364/365/366/367/368/369/370/371/372/373/374/375/376/377/378/379/380/381/382/383/384/385/386/387/388/389/390/391/392/393/394/395/396/397/398/399/400/401/402/403/404/405/406/407/408/409/410/411/412/413/414/415/416/417/418/419/420/421/422/423/424/425/426/427/428/429/430/431/432/433/434/435/436/437/438/439/440/441/442/443/444/445/446/447/448/449/450/451/452/453/454/455/456/457/458/459/460/461/462/463/464/465/466/467/468/469/470/471/472/473/474/475/476/477/478/479/480/481/482/483/484/485/486/487/488/489/490/491/492/493/494/495/496/497/498/499/500/501/502/503/504/505/506/507/508/509/510/511/512/513/514/515/516/517/518/519/520/521/522/523/524/525/526/527/528/529/530/531/532/533/534/535/536/537/538/539/540/541/542/543/544/545/546/547/548/549/550/551/552/553/554/555/556/557/558/559/560/561/562/563/564/565/566/567/568/569/570/571/572/573/574/575/576/577/578/579/580/581/582/583/584/585/586/587/588/589/590/591/592/593/594/595/596/597/598/599/600/601/602/603/604/605/606/607/608/609/610/611/612/613/614/615/616/617/618/619/620/621/622/623/624/625/626/627/628/629/630/631/632/633/634/635/636/637/638/639/640/641/642/643/644/645/646/647/648/649/650/651/652/653/654/655/656/657/658/659/660/661/662/663/664/665/666/667/668/669/670/671/672/673/674/675/676/677/678/679/680/681/682/683/684/685/686/687/688/689/690/691/692/693/694/695/696/697/698/699/700/701/702/703/704/705/706/707/708/709/710/711/712/713/714/715/716/717/718/719/720/721/722/723/724/725/726/727/728/729/730/731/732/733/734/735/736/737/738/739/740/741/742/743/744/745/746/747/748/749/750/751/752/753/754/755/756/757/758/759/760/761/762/763/764/765/766/767/768/769/770/771/772/773/774/775/776/777/778/779/780/781/782/783/784/785/786/787/788/789/790/791/792/793/794/795/796/797/798/799/800/801/802/803/804/805/806/807/808/809/810/811/812/813/814/815/816/817/818/819/820/821/822/823/824/825/826/827/828/829/830/831/832/833/834/835/836/837/838/839/840/841/842/843/844/845/846/847/848/849/850/851/852/853/854/855/856/857/858/859/860/861/862/863/864/865/866/867/868/869/870/871/872/873/874/875/876/877/878/879/880/881/882/883/884/885/886/887/888/889/890/891/892/893/894/895/896/897/898/899/900/901/902/903/904/905/906/907/908/909/910/911/912/913/914/915/916/917/918/919/920/921/922/923/924/925/926/927/928/929/930/931/932/933/934/935/936/937/938/939/940/941/942/943/944/945/946/947/948/949/950/951/952/953/954/955/956/957/958/959/960/961/962/963/964/965/966/967/968/969/970/971/972/973/974/975/976/977/978/979/980/981/982/983/984/985/986/987/988/989/990/991/992/993/994/995/996/997/998/999/1000

## Certificate

This is to certify that Mr./Ms. Jagtap. Sonika Macchindra. Class 5-Y.B.Sc(ES)  
 has successfully completed an Add-on course in Introduction to Arduino Uno, IoT  
& its programming organized by the Department of Electronics (Computer Science)  
 from 01/01/2024 to 06/02/2024.

  
 Course Co-ordinator

  
 H.O.D.

  
 Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

(Affiliated to Savitribai Phule Pune University, Id No. - 38/94, Pw/Pu/MC/033/2572)



## Certificate

This is to certify that Mr./Ms. Khedekar Samiksha Santosh (Class 5-Y.B.Sc.Ceb)  
has successfully completed an **Add-on course in Introduction to Arduino Uno, IoT &  
its programming** organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024.

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



Waghire College of Arts, Commerce and Science, Pune (University) UET No. 102 No. PDEA/AC/102/2024

## Certificate

This is to certify that Mr/Ms. Ibhad Atti Sanjay Class 5-Y. BCS.  
has successfully completed an Add-on course in Introduction to Arduino and IoT  
& its programming organized by the Department of Electronics (computer science)  
from 01/01/2024 to 06/02/2024...

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



Affiliated to Savitribai Phule Pune University - 18<sup>th</sup> Feb. 1992 by U.P.No.133/1992

## Certificate

This is to certify that Mr./Ms. Pawar Rushikesh Jitendra Class SY-BSc(CS)  
has successfully completed an Add-on course in Introduction to Arduino Uno, IoT  
& its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



Approved by Savitribai Phule Pune University, Dist. Saswad, Tal. Purandar, Dist. Pune

## Certificate

This is to certify that Mr/Ms. MEMONE Komal Bhausahab. (Class - 7, B.Sc (CS))  
has successfully completed an **Add-on course** in **Introduction to Arduino uno, IoT**  
& its programming organized by the Department of **ELECTRONICS (COMPUTER SCIENCE)**  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University (Id No. : Id No. PU/Ph/430/022 dated)



## Certificate

This is to certify that Mr/Ms: Bhagat Rohan Dadaso (Class S-Y-B sec (G.S))  
has successfully completed an **Add-on course** in Introduction to Arduino uno, IOT  
& its programming organized by the Department of Electronics (Computer science)  
from 01-01-2024 to 06-02-2024.

  
Course Co-ordinator

  
H.O.D.

  
Principal



Pune District Education Associations

**Waghire College of Arts, Commerce and Science**

Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Prasad Park University, IC No. 101/10, Saswad (Dist. Pune)



## Certificate

This is to certify that Mr./Ms. Kudale Priya Somnath. Class 54 B-15  
 has successfully completed an Add-on course in Introduction to Arduino Uno, IoT  
of its programming organized by the Department of ELECTRONICS (COMPUTER SCIENCE)  
 from 01/01/2024 to 05/02/2024

  
 Course Co-ordinator

  
 H.O.D.

  
 Head of Institution





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

(Affiliated to Savitribai Phule Pune University - B.No. - (4) No. PU/PhD/C/S/23/1972)



## Certificate

This is to certify that Mr/Ms. Sonawane Shalaka Nitin. Class S.Y.B.Sc(CS)  
has successfully completed an Add-on course in Introduction to Arduino uno, IoT  
of its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal







Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Santinikal Phule Pune University, (U No. 10/95/40C/023/2012)



## Certificate

This is to certify that Mr./Ms. Kolate Raj Vilas Class 5-Y.B.Sc(CS)

has successfully completed an Add-on course in Introduction to Arduino and IOT & its programming organized by the Department of Electronics (Computer Science)

from 01/01/2024 to 05/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's

**Waghire College of Arts, Commerce and Science**

Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University | Reg. No. - (U.No. 21/19)/A/C/2005-2012



## Certificate

This is to certify that Mr/Ms. Kolate Gaurav Rajendra. Class S.Y.B.Sc(CS)  
has successfully completed an *Add-on* course in Introduction to Arduino Uno, IoT  
& its programming organized by the Department of Electronics (Computer science)  
from 1/1/24 to 5/2/24.

*Mam*  
Course Co-ordinator

*Mam*  
H.O.D.

*P. M. M. M.*  
Principal



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Sahakaraji Prasad Pune University (U No. 110 No. PU/PURANDAR/003 (B) 21)



## Certificate

This is to certify that Mr./Ms. Kolote Rutvik Sambhaji Class 2<sup>nd</sup> Y. B.Sc (CS)  
has successfully completed an Add-on course in Introduction to Arduino Uno, IoT  
& its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024.

Ynani  
Course Co-ordinator

Ynani  
H.O.D.

P. N. N. N.  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
 Saswad, Tal. Purandar, Dist. Pune



Affiliated to Savitribai Phule Pune University (U.No. 11a/No. 10/Ph/2003/003/1972)

## Certificate

This is to certify that Mr./Ms. Dote Teupti Digambar. Class S-Y.O.S.C (CS)  
 has successfully completed an **Add-on course in** Introduction to Arduino Uno, IoT  
& its programming organized by the Department of Electronics (Computer Sci.)  
 from 01/01/2024 to 06/02/2024.

  
 Course Co-ordinator

  
 H.O.D.

  
 Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University | Id No. 1102/Sr. PU/Ph/450/2013-2017



## Certificate

This is to certify that Mr/Ms. Raskar Puzva Mahendra Class 54.B.5066  
has successfully completed an Add-on course in Introduction to Arduino uno, IoT &  
its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University (U No. : (14 No. PUE/PDEU/013/1912)



## Certificate

This is to certify that Mr./Ms. Badadhe Sakshi Arjun. Class S.Y. B.Sc (CS)  
has successfully completed an Add-on course in Introduction to Arduino uno, IOT  
fits programming organized by the Department of Electronics (Computer Sci.)  
from 01/01/2024 to 06/01/2024.

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune  
Approved to impart P.U. & P.U.C. Courses by the Government of Maharashtra, Pune



## Certificate

This is to certify that Mr/Ms Peman Rachana Balaso (Class S.Y. B.Sc (E))  
has successfully completed an Add-on course in Introduction to Arduino Uno, IoT  
& its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 05/02/2024

  
Course Coordinator

  
H.O.D.

  
Head of Department





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

(Affiliated to Sahakar Pune-Pune University - 12/90-1/2/10/14/15/16/17/18/19/20/21/22)



## Certificate

This is to certify that Mr/Ms. Chavaze Prathmesh Santosh. Class S.Y. BSCCS  
has successfully completed an Add-on course in Introduction to Arduino uno, IoT  
& its programming organized by the Department of ELECTRONICS (COMPUTER SCIENCE)  
from 01/01/2024 to 06/02/2024.

  
Course Co-ordinator

  
H.O.D.

  
Principal







Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandhar, Dist. Pune



Recognized by Maharashtra State Board of Secondary Education (MSBSSE) (Reg. No. 154/1997/10/176/3000/911/MSBSSE)

## Certificate

This is to certify that Mr./Ms. **Ghozpade Ashwini Dhanonjoy** (Class: 9, B.Sc. CSE)  
has successfully completed an Add-on course in Introduction to Arduino Uno, IoT  
& its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024.

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



Affiliated to Savitribai Phule Pune University (M.No. : 44/94, P.U.P.P./1992/2003 1992)

## Certificate

This is to certify that Mr./Ms. Kole Rina Sunil. Class S.Y. B.Sc (S)  
has successfully completed an Add-on course in Introduction to Arduino uno, IoT &  
its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 26/06/2024.

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Parandur, Dist. Pune



## Certificate

This is to certify that Mr. Ms. Angole Pruthvijay Prakash, Class 57-05069  
has successfully completed an Add-on course in Introduction to Arduino Uno, IoT &  
Python programming organized by the Department of Electronics, Computer Science  
from 01/01/2024 to 06/01/2024

  
Course Coordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Furandar, Dist. Pune



## Certificate

This is to certify that Mr./Ms. **Jagdale Aniket Ramesh**, **Class-7-052205**  
has successfully completed an **Add-on course in Introduction to Arduino Uno, IoT**  
**& its programming** organized by the **Department of Electronics (Computer Science)**  
from **01/01/2024** to **06/02/2024**.

  
Course Co-ordinator

  
H.O.D.

  
Head of Department





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

(Affiliated to Savitribai Phule Pune University / Reg. No. 188/WL/PUN/05C/033-1012)



## Certificate

This is to certify that Mr./Ms. Kamthe Tejas Vilas (Class S-Y.B.Sc(CS))  
has successfully completed an Add-on course in Introduction to Arduino Uno, IOT  
of its programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024.

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Satwad, Tal. Purandar, Dist. Pune



## Certificate

This is to certify that Mr./Ms. **NAVAT RATHOEV Anil** (Class **S-Y-036005**)

has successfully completed an **Add-on course in Introduction to Arduino uno, IoT & its Programming** organized by the Department of **Electronics (Computer Science)**

from **01/01/2024** to **06/02/2024**

  
Course Coordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



Waghire College of Arts, Commerce and Science, Saswad, Tal. Purandar, Dist. Pune

## Certificate

This is to certify that Mr./Ms. Zende Rohan Vilas (Class B.Y. B.Sc (S))

has successfully completed an Add-on course in Introduction to Arduino Uno, IoT & its Programming organized by the Department of Electronics (Computer Science)

from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
HOD

  
Principal





Pune District Education Associations  
**Waghire College of Arts, Commerce and Science**  
 Saswad, Tal. Purandar, Dist. Pune



## Certificate

This is to certify that Mr/Ms. Waze Siddhi Dipak Class 24-B-1555  
 has successfully completed an Add-on course in Introduction to Arduino Uno, 1st  
of its program organized by the Department of Electronics (Computer Science)  
 from 21/01/2024 to 25/02/2024

  
 Course Coordinator

  
 HOD









Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Approved by Government of Maharashtra, M.No. : (M.N.) PU/FK/2001/03-2012



## Certificate

This is to certify that Mr/Ms. Yadav Peiti Sandip Class S.Y.B.Sc (E)

has successfully completed an **Add-on course** in **Introduction to Arduino uno, IOT & its Programming** organized by the Department of **Electronics (Computer Science)**

from 01/01/2024 to 06/02/2024.

Yadav  
Course Co-ordinator

Yadav  
I.O.D.

Yadav  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University - Aff. No. - III No. PU/PA/195/1333 (2012)



## Certificate

This is to certify that Mr./Ms. kale Sanika Satish Class S.Y.B.Sc (cs)  
has successfully completed an **Add-on course** in **Introduction to Arduino Uno To C++ Programming** organized by the Department of **Electronics (computer sci)**  
from 01/01/24 to 06/02/24

  
Course Co-ordinator

  
H.O.D.







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**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University (U No.: 144/1991/PC/15C/073-2012)



## Certificate

This is to certify that Mr./Ms. Kadbane Anisha Somnath Class S.Y.B.Sc (CS)  
has successfully completed an Add-on course in Introduction to Arduino uno IoT  
Programming organized by the Department of Electronic (Computer Sci)  
from 01/01/24 to 06/02/24

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



## Certificate

This is to certify that Mr. M. Karas Uddhav Rajendra Class 5.Y.B sc (cg)  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT &  
Programming organized by the Department of Electronic (computer sci)  
from 01/01/24 to 06/02/24.

  
Course Co-ordinator

  
H.O.D.

  
Principal





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**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University (U No. / 10220, PUN/10/102/003/1972)



## Certificate

This is to certify that Mr./Ms. Kamthe Shubham Gulab Class 5.Y.B sc (cs)  
has successfully completed an Add-on course in Introduction to Arduino uno IoT &  
Programming organized by the Department of Electronic (Computer sci)  
from 01/01/24 to 06/02/24

  
Course Co-ordinator

  
H.O.D.

  
Principal





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**Waghire College of Arts, Commerce and Science**

Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University, M No : 10/No. 20/PURABCI/03/2021



*Certificate*

This is to certify that Mr./Ms. Kamthe Komal Ravindea Class S.Y.B.Sc (es)  
 has successfully completed an *Add-on course* in Introduction to Arduino Uno IoT &  
Programming organized by the Department of Electronics (Computer Sci)  
 from 01/01/24 to 06/02/24

*Ynan'*  
 Course Co-ordinator

*Ynan'*  
 H.O.D.

*Principals*  
 Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

(Affiliated to Savitribai Phule Pune University - SI No. 1 (B) Ms. Pur. Ph. SSC-155-1972)



## Certificate

This is to certify that Mr./Ms. Naghilak Yash Sanjay \_\_\_\_\_ Class S.Y.B.Sc (CS)  
has successfully completed an **Add-on course** in Introduction to Arduino Uno IoT &  
Programming organized by the Department of Electronics (Computer Sci)  
\_\_\_\_\_ from 01/01/24 to 06/02/24 \_\_\_\_\_

  
Course Co-ordinator

  
H.O.D.

  
Principal



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University (U No. - 44 No. Pu/Mu/10C/133-2017)



## Certificate

This is to certify that Mr./Ms. Jayande Kajal Vasant Class S.Y.B.sc (cs)  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT &  
Programming organized by the Department of Electronics (computer sci)  
from 01/01/24 to 06/02/24

  
Course Coordinator

  
H.O.D.

  
Principal







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**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



Affiliated to Savitribai Phule Pune University | ID No. : 0250, Pu/Pu/SSC/025/2012 |

## Certificate

This is to certify that Mr./Ms. Chavan Suhani Shankar (Class S.Y.B.Sc(ES))  
has successfully completed an **Add-on course** in Introduction to Arduino uno IoT &  
Programming organized by the Department of Electronics (Computer sci)  
from 01/01/24 to 06/02/24.

  
Course Co-ordinator

  
H.O.D.







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**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University. (D No. 1 of 14. P.U./Ph/150/233-1572)



## Certificate

This is to certify that Mr./Ms. Kapare Nikita Vinayak Class 5-Y.B.sc (es)  
has successfully completed an **Add-on course** in Introduction to Arduino Uno IoT & its  
Programming organized by the Department of Electronics (Computer Sci)  
from 01/01/24 to 06/02/24

  
Course Co-ordinator

  
H.O.D.

  
Principal



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**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune  
Waghire's Sahakar P.E.U. Pune University - 411 001 | Phone: 90274 882 023, 024



## Certificate

This is to certify that Mr./Ms. Sutar Aditi Laxman Class 54 B CS  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT  
bits programming organized by the Department of Electronic (computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal



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Saswad, Tal. Purandar, Dist. Pune

(Affiliated to Savitribai Phule Pune University - Id No. 100/96-PU/MS/452/033-0372)



## Certificate

This is to certify that Mr./Ms. Kadam Mayuzi Vishnu Class 54-B-CS  
has successfully completed an Add-on course in Introduction to Arduino Uno IOT  
its programming organized by the Department of Electronic (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University (U No. 118/Ka/PU/MS/133/2012)



*Certificate*

This is to certify that Mr./Ms. Mokashi Vaishnavi Balkeishna Class 54-B-05  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT  
gits programming organized by the Department of Electronic (Computer Science)  
from 01/01/2024 to 06/02/2024.

  
Course Co-ordinator

  
H.O.D.

  
Principal



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Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University Id No. 101/102/Pu/W/102/1034/2012



## Certificate

This is to certify that Mr/Ms. Kapare Sakshi Dipak Class SY-B-CS  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT  
of its programming organized by the Department of Electronic (computer science)  
from 01/01/2024 to 06/02/2024

*Mani*  
Course Co-ordinator

*Mani*  
H.O.D.

*P. M. Waghire*  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

(Approved by Savitribai Phule Pune University - U No. 1 of No. 75/Ph/102/033-012)



## Certificate

This is to certify that Mr./Ms. Pande Peiyanka Balaso Class SY-B-CS  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT  
of its programming organized by the Department of Electronic (Computer Science)  
from 01/01/2024 to 06/02/2024

*man*  
Course Co-ordinator

*man*  
H.O.D.

*man*  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University (U No. 1133 No. PU/M/2020/033/2021)



## Certificate

This is to certify that Mr/Ms Koede Saugabh Satish Class SY.B:CS  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT  
& its programming organized by the Department of Electronic (computer Science)  
from 01/01/2024 to 06/02/2024.

  
Course Co-ordinator

  
H.O.D.

  
Principal







Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Sahakar Pune Univ. (Reg. No. UJ 10/10/1980/113/1972)



## Certificate

This is to certify that Mr/Ms. Jagtap Omkar Vikas Class SYB-CS  
has successfully completed an Add-on course in Introduction to Arduino Uno IOT  
g. its programming organized by the Department of Electronic (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University | Reg. No. - 122 No. Pune/Ph/1980/230/2372 |



## ~ Certificate ~

This is to certify that Mr./Ms. Pawaz Sheinath Dattateay Class S4-B-CS  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT  
& its programming organized by the Department of Electronic (Computer Science)  
from 01/01/2024 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



Approved by Maharashtra State Board of Technical Education, Pune

## Certificate

This is to certify that Mr./Ms. Jagtap Mansi Bhanudas Class S4-B-CS  
has successfully completed an *Add-on course* in Introduction to Arduino Uno IoT  
& its programming organized by the Department of Electronic (Computer Science)  
from 01/01/2024 to 05/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



Approved by Savitribai Phule Pune University (SPPU) - (U.No. P/17/15/180/2013/2014)

## Certificate

This is to certify that Mr./Ms. Boekae Utkasha Anil Class SY.B.CS  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT  
& its programming organized by the Department of Electronic (Computer Science)  
from 01/01/2024 to 06/02/2024.

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune  
Institution of National Trust for Pune University - Id No. 1 of No. 19/76/ACC-023-1972



## Certificate

This is to certify that Mr/Ms. kale Asmita Muelidhae Class S.Y. B.cs  
has successfully completed an *Add-on course* in Introduction to Arduino Uno IoT  
gits programming organized by the Department of Electronic (Computer Science)  
from 01/01/2024 to 06/02/2024.

  
Course Co-ordinator

  
H.O.D.





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Approved by Maharashtra State Board of Secondary Education, Pune (No. P-1/19/200/224/2019)



## Certificate

This is to certify that Mr/Ms Papal Mayur Santosh Class 5<sup>th</sup> B CS  
has successfully completed an **Add-on course** in Introduction to Arduino Uno IoT  
g. its programming organized by the Department of Electronic (Computer Science)  
from 01/01/2024 to 06/02/2024.

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University. U.No. : 22/10/1974/100000002



## Certificate

This is to certify that *Mr./Ms. Kale Rutuja Sanjay* Class *S.Y. Bsc (cs)*  
has successfully completed an *Add-on course in Introduction to Arduino Uno IoT &*  
*Programming* organized by the Department of *Electronics (Computer sci)*  
from *01/01/24* to *06/02/24*

*man*  
Course Co-ordinator

*man*  
H.O.D.

*man*  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

(Approved to Bachelor's Degree Pune University - U.No. 18174, Pu/Pho/486/2021/2022)



## Certificate

This is to certify that Mr./Ms. Chavan Supriya Santosh Class S.Y. Bsc (cs)  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT  
& its Programming organized by the Department of Electronics (Computer Science)  
from 01/01/2024 to 06/02/2024.

  
Course Co-ordinator

  
H.O.D.

  
Principal







Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



## Certificate

This is to certify that **Mr/Ms. Shinde Vaishnavi Balasaheb** Class **5.Y.B.Sc (cs)**  
has successfully completed an **Add-on course** in **Introduction to Arduino Uno IoT & its  
Programming** organized by the Department of **Electronics (Computer Sci)**  
from **01/01/2024** to **06/02/2024**.

  
Course Coordinator

  
H.O.D.

  
Principal



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



Project as per the Third Pune University (2016) Act for P.D.E.A. (2016)

## Certificate

This is to certify that Mr./Ms. Shendkar Sakshi Jagdish (Class S.Y.B.Sc (es))  
has successfully completed an **Add-on course** in **Introduction to Arduino Uno IoT &  
its Programming** organized by the Department of Electronics (Computer Sci)  
from 01/01/2024 to 06/02/2024.

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

(Approved by State Board of Pune, Pune University - U.No. 101 No. PU/Pho/02/2001/1972)



## Certificate

This is to certify that Mr./Ms. Kunjie Tejas Jagdish Class S.Y. B.Sc (CS)  
has successfully completed an Add-on course in Introduction to Arduino and IoT & its  
Programming organized by the Department of Electronics (Computer Sci)  
from 01/01/2024 to 06/02/2024.

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune  
(Approved by Savitribai Phule Pune University - U.No. 1 of 16/2019/2019/2020)



## Certificate

This is to certify that Mr./Ms. Bhagat Susaj Sukhdev Class 5.Y.B.Sc.(CS)  
has successfully completed an **Add-on course** in Introduction to Arduino Uno IoT  
& its Programming organized by the Department of Electronics (Computer Sci)  
from 01/01/24 to 06/02/2024

  
Course Co-ordinator

  
H.O.D.

  
Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
 Saswad, Tal. Purandar, Dist. Pune



Approved by Savitribai Phule Pune University, Aff. No. (114/96) PU/Ph/DC-033/01723

## Certificate

This is to certify that Mr./Ms. Jadhav Kieran Ashok Class S.Y.B.Sc (CS)  
 has successfully completed an Add-on course in Introduction to Arduino Uno IoT &  
Its Programming by the Department of Electronics (Computer sci)  
 from 01/01/24 to 06/02/24

  
 Course Co-ordinator

  
 H.O.D.

  
 Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
 Saswad, Tal. Purandar, Dist. Pune



Approved by Savitribai Phule Pune University, 107/A, 107/B, 107/C, 107/D, 107/E, 107/F, 107/G, 107/H, 107/I, 107/J, 107/K, 107/L, 107/M, 107/N, 107/O, 107/P, 107/Q, 107/R, 107/S, 107/T, 107/U, 107/V, 107/W, 107/X, 107/Y, 107/Z

## Certificate

This is to certify that Mr./Ms. Kad Rutuja Sanjay Class B.Y. Bsc (CS)  
 has successfully completed an **Add-on course** in Introduction to Arduino uno IoT &  
Programming organized by the Department of Electronics (Computer Sci)  
 from 01/01/24 to 06/02/24

Course Co-ordinator

H.O.D.

Principal



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
 Saswad, Tal. Purandar, Dist. Pune



Affiliated to Savitribai Phule Pune University (SI No. -19/2019/PW/480/2019/2021)

## Certificate

This is to certify that Mr./Ms. Sueve Dattapeasad Gajanan Class S.Y.B.Sc (cs)  
 has successfully completed an **Add-on course** in Introduction to Arduino uno IoT &  
Programming organized by the Department of Electronics (Computer sci)  
 from 01/01/2024 to 06/02/24

  
 Course Co-ordinator

  
 H.O.D.

  
 Principal





Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



## Certificate

This is to certify that Mr./Ms. Bhintade Pelti Shanteam Class 5.Y.B.Sc (cs)  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT &  
its Programming organized by the Department of Electronic (Computer Sci)  
from 01/01/24 to 06/02/24

  
Course Co-ordinator

  
H.O.D.

  
Principal







Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



Address: 10, Sahakar Prasth, Pune University, 10 Tal. (Saswad), Purandar, Dist. Pune-412202

## Certificate

This is to certify that Mr./Ms. Mahajan Meenal Mahesh \_\_\_\_\_ Class B.Y. B.Sc (CS)  
has successfully completed an Add-on course in Introduction to Arduino uno IoT &  
Programming organized by the Department of Electronics (Computer Sci)  
\_\_\_\_\_ from 01/01/24 to 06/02/24 \_\_\_\_\_

  
Course Co-ordinator

  
H.O.D.

  
Principal



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University (U.No. 1/86/100/PDPA/100/133/1972)



## Certificate

This is to certify that Mr/Ms. Jagtap Peatiksha Ramesh Class SYB Sols (cs)  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT &  
Programming organized by the Department of Electronics (computer sci)  
from 01/01/24 to 06/02/24

  
Course Co-ordinator

  
H.O.D.

  
Principal





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**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Affiliated to Savitribai Phule Pune University, M. No. / U. No. P1276/AC/042 (2021)



## Certificate

This is to certify that Mr./Ms. Boekae Yashashree Uttom (Class 5Y.B.Sc(ES))  
has successfully completed an Add-on course in Introduction to Arduino uno IoT &  
Programming organized by the Department of Electronics (Computer sci)  
from 01/01/24 to 06/02/24

  
Course Coordinator

  
H.O.D.

  
Principal



Pune District Education Association's  
**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune

Approved by Savitribai Phule Pune University (U No. 118 No. PU/PN/ABD/023 (972))



## Certificate

This is to certify that Mr/Ms. Shinde Bhagyashai Rajendra Class S.Y.B.sc (cs)  
has successfully completed an Add-on course in Introduction to Arduino uno IOT &  
Programming organized by the Department of Electronics (Computer sci)  
from 01/01/24 to 06/02/24

  
Course Co-ordinator

  
H.O.D.

  
Principal



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**Waghire College of Arts, Commerce and Science**  
Saswad, Tal. Purandar, Dist. Pune



Approved by Government of Maharashtra, U.P. No. 194 for month 10/01/2013-2012

## Certificate

This is to certify that Mr./Ms. Agavile Pranali Sanjay Class S.Y. BSc (CS)  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT &  
Programming organized by the Department of Electronics (Computer Sci)  
from 01/01/24 to 06/02/24

*Mani*  
Course Co-ordinator

*Mani*  
H.O.D.

*Mani*  
Principal





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Saswad, Tal. Purandar, Dist. Pune



Approved by Government of Maharashtra (M No. 138/NL/P/11/15/50/933-3372)

## Certificate

This is to certify that Mr./Ms. Kaende Shankar Hanmant Class S.Y.B.sc(cs)  
has successfully completed an **Add-on course** in Introduction to Arduino uno IOT &  
Programming organized by the Department of Electronics (computer sci)  
from 01/01/24 to 06/02/24

  
Course Co-ordinator

  
H.O.D.

  
Principal





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Approved to Establish Private Pune University - U No. - (U) No. PU/PA/AC/033/2021



## Certificate

This is to certify that Mr/Ms. Gaikwad Samiksha Anil Class S.Y.B.Sc (cs)  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT &  
Programming organized by the Department of Electronics (computer sci)  
from 01/01/24 to 06/02/24

  
Course Co-ordinator

  
H.O.D.

  
Principal



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## Certificate

This is to certify that Mr/Ms. Jaqtap Tejasvi Somnath Class S.Y.B.Sc (cs)  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT &  
Programming organized by the Department of Electronics (computer sci)  
from 01/01/24 to 06/02/24

  
Course Co-ordinator

  
H.O.D.

  
Principal







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## Certificate

This is to certify that Mr./Ms. Shitae Mohit Abhay Class S.Y.B.Sc (CS)  
has successfully completed an Add-on course in Introduction to Arduino Uno IoT &  
Programming organized by the Department of Electronics (Computer Sci)  
from 01/01/24 to 06/02/24

  
Course Co-ordinator

  
H.O.D.

  
Principal





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## Certificate

This is to certify that Mr./Ms. Bathe Ashish Hanumant Class 5-Y.BSc (cs)  
has successfully completed an **Add-on course** in Introduction to Arduino Uno IoT &  
Programming organized by the Department of Electronics (computer sci)  
from 01/01/24 to 06/02/24

  
Course Co-ordinator

  
H.O.D.

  
Principal





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## Certificate

This is to certify that Mr./Ms. Vede Namrata Ganesh Class S.V.B.sc(cs)  
has successfully completed an **Aid-on** course in Introduction to Arduino Uno IOT &  
Programming organized by the Department of Electronics (computer sci)  
from 01/01/24 to 06/02/24

  
Course Co-ordinator

  
H.O.D.

  
Principal





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(All courses sanctioned by Pune University. U. No. (24 No. 19/19) 807-033-0372)

## Certificate

This is to certify that Mr./Ms. Lole Sanket Abasaheb Class S.Y.B.Sc (CS)  
has successfully completed an **Add-on course** in Introduction to Arduino Uno IoT  
Programming organized by the Department of Electronics (Computer Sci)  
from 01/01/24 to 06/02/24

  
Course Co-ordinator

  
H.O.D.

  
Principal



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## Certificate

This is to certify that Mr./Ms. Kshitesagar Dhaneaj Shekhar Class S.Y.B.Sc (cs)  
has successfully completed an **Add-on course** in Introduction to Arduino Uno IoT &  
Programming organized by the Department of Electronics (computer sci)  
from 01/01/24 to 06/02/24

  
Course Co-ordinator

  
H.O.D.

  
Head of Department

