

2022-23

Department of Electronics

Date:08/02/2023

To,

The Principal,

Tuljaram Chaturchand College of

Arts, Science & Commerce

Baramati

Subject:-Proposal for the Commencement of Certificate Course

Respected Sir,

I am Submitting herewith a proposal for conduct of certificate course in Electronics for the student of S.Y.B.Sc and T.Y.B.Sc Class. Please find the proposal as attachment.

Thanking You,

Yours Faithfully



Dr. A. S. Kothawale
Course Coordinator

Forwarded through HOD *Lo.*

Certificate Course

Title-ARDUINO System

Total Theory Lecture-12 Hours

Practical Session-18 Hours

Course Coordinator- Dr.Kothawale.A.S

Syllabus

Unit1

Introduction to Microprocessor: 8085, Intel, Bit/Byte, Memory, Number Systems Introduction to Microcontroller: Arduino, IDE; Software (Atmel studio), libraries, UNO, MEGA, Shield, motors.

Unit 2

LCD, touch pad Introduction to Sensors, Actuators: Infrared, Ultrasonic, Proximity, Sharp, Accelerometers and Gyroscope Programming with Arduino using basic components LED blink, Buzzer, DC motor, LCD display.

Unit 3

Arduino (Microcontroller)+Embedded C(Coding Language) +Sensors and Actuators (Peripherals)

Practical: -

- 1) LED blinking.
- 2) Interfacing of LCD to Arduino.
- 3) Interfacing of Bluetooth to Arduino.
- 4) Interfacing of Temperature sensor to Arduino.
- 5) Interfacing of servomotor to Arduino.
- 6) Interfacing of Buzzer to Arduino.
- 7) Interfacing of switch to Arduino.
- 8) Interfacing of GSM to Arduino.
- 9) Interfacing of seven segment Display to Arduino.

Attendance Sheet

Certificate Course - Arduino System (Theory)

Sr. No	Name	Roll No	10/2/23	11/2/23	13/2/23	14/2/23	15/2/23	16/2/23	17/2/23	20/2/23
1	Atole Ganesh Ulhas	7316	P	P	P	P	P	P	P	A
2	Shital Gadhave	6875	P	P	A	P	P	P	A	P
3	Zanje Suraj Narayan	6877	P	P	P	P	P	P	P	P
4	Sayali Sanjay Mane	7354	P	P	P	P	A	P	P	P
5	Bhapkar Mayur Balasaheb	7399	P	P	P	P	P	P	P	A
6	Nanware Rohit Dagadu	6904	P	P	P	P	P	A	P	P
7	Kanherkar Karan Dipak	7312	P	P	P	P	P	P	A	P
8	Akanksha Nandkumar Melavane	7360	P	P	P	P	P	P	P	P
9	Sapkal manasi pandurang	6710	P	P	P	P	P	P	P	P
10	Sapkal rahul nanaso	6876	P	P	P	P	P	P	P	P
11	Patil Mohit Kunal	6833	P	P	P	P	P	A	P	P
12	Wanave Rohit Bhausahab	6864	P	P	P	P	P	P	A	P
13	Amol pawar	6865	P	P	P	P	P	P	P	A
14	Varhade Abhay kisan	6866	P	P	P	P	P	P	P	P
15	Pingale Abhijit Prakash	6878	P	P	P	P	P	P	P	P

72.
HOD

Attendance Sheet

Certificate Course –Arduino System (Practical)

A	Name	Roll No	21/2/23	22/2/23	23/2/23	24/2/23	25/2/23	27/2/23	28/2/23	1/3/23	2/3/23	3/3/23	4/3/23	6/3/23
1	Atole Ganesh Ulhas	7316	P	P	P	P	P	P	P	P	P	P	P	P
2	Shital Gadhave	6875	P	P	A	P	P	P	P	P	A	P	A	A
3	Zanje Suraj Narayan	6877	P	P	P	P	P	P	P	P	P	P	P	P
4	Sayali Sanjay Mane	7354	P	P	P	P	P	P	A	P	P	P	P	P
5	Bhapkar Mayur Balasaheb	7399	P	P	P	P	P	P	P	P	P	P	P	P
6	Nanware Rohit Dagadu	6904	P	P	P	P	P	P	P	A	P	P	P	P
7	Kanherkar Karan Dipak	7312	P	P	P	P	P	P	P	P	P	P	P	A
8	Akanksha Nandkumar Melavane	7360	P	P	P	P	P	P	P	P	P	P	P	P
9	Sapkal manasi pandurang	6710	P	P	P	P	P	P	P	P	P	P	P	P
10	Sapkal rahul nanaso	6876	P	P	P	P	P	P	P	P	P	P	P	P
11	Patil Mohit Kunal	6833	P	P	P	P	P	P	P	P	P	P	P	P
12	Wanave Rohit Bhausaheb	6864	P	P	P	P	P	P	P	A	P	P	P	P
13	Amol pawar	6865	P	P	P	P	P	P	P	P	P	P	P	A
14	Varhade Abhay kisan	6866	P	P	P	P	P	P	P	P	P	P	A	P
15	Pingale Abhijit Prakash	6878	P	P	P	P	P	P	P	P	P	P	P	P

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Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science, Commerce, Baramati
(Autonomous)

Certificate Course –Arduino System

Department of Electronics

Time-3.00 to 4.30 PM

Day	Date	Teacher
Friday	10/2/23	ASK
Saturday	11/2/23	ASK
Monday	13/2/23	ASK
Tuesday	14/2/23	ASK
Wednesday	15/2/23	ASK
Thursday	16/2/23	ASK
Friday	17/2/23	ASK
Monday	20/2/23	ASK
Practical Session		
Tuesday	21/2/23	ASK
Wednesday	22/2/23	ASK
Thursday	23/2/23	ASK
Friday	24/2/23	ASK
Saturday	25/2/23	ASK
Monday	27/2/23	ASK
Tuesday	28/2/23	ASK
Wednesday	1/3/23	ASK
Thursday	2/3/23	ASK
Friday	3/3/23	ASK
Saturday	4/3/23	ASK
Monday	6/3/23	ASK
Friday	10/03/2023	Exam

ASK-.Dr A.S. Kothawale


Coordinator

Asst. Prof. A.S. Kothawale


Chairman


HOD

Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science, Commerce, Baramati
(Autonomous)


Certificate Course –Arduino System

Exam Time table-2022-23

Mode of Exam -Online

Sr.No	Date	Time	Name of Paper
1)	10/03/2023	4.00 pm to 5.00 pm	Certificate Course –Arduino System


Co-ordinator


HOD

Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and
Commerce, Baramati.

(Autonomous)

Department of Electronics

Paper : Certificate Course Arduino System

Course Co-ordinator: Dr. Aniket Kothawale

Course duration:

10/2/23 to 10/3/23

Date of Exam: 10/03/2023

Result

Sr.No	Roll No	Name	Marks(50)	Remark
1	7316	Atole Ganesh Ulhas		
2	6875	Shital Gadhawe	42	Successfully completed
3	6877	Zanje Suraj Narayan	40	Successfully completed
4	7354	Sayali Sanjay Mane	42	Successfully completed
5	7399	Bhapkar Mayur Balasaheb	40	Successfully completed
6	6904	Nanware Rohit Dagadu	38	Successfully completed
7	7312	Kanherkar Karan Dipak	38	Successfully completed
8		Akanksha Nandkumar	38	Successfully completed
	7360	Melavane	32	Successfully completed
9	6710	Sapkal manasi pandurang		
10	6876	Sapkal rahul nanaso	44	Successfully completed
11	6833	Patil Mohit Kunal	44	Successfully completed
12	6864	Wanave Rohit Bhausaheb	46	Successfully completed
13	6865	Amol pawar	33	Successfully completed
14	6866	Varhade Abhay kisan	35	Successfully completed
15	6878	Pingale Abhijit Prakash	35	Successfully completed
			40	Successfully completed


Coordinator

Asst. Prof. A.S. Kothawale


Chairman


HOD

Date: 14/03/2023

To
The Principal
Tuljaram Chaturchand College of Arts, Science and Commerce,
Baramati 413101

Subject : Report of Certificate Course Arduino System

Respected Sir

With reference to mentioned above subject I would like to inform you that total 15 student from S. Y. B.Sc. and T.Y.B.Sc successfully completed **Arduino System** during 10 feb to 6 March 2023 respectively.

The detail of student list is attached here with.

Thanking You,

J.S.

Head

Department of Electronics