To,
The Principal,
G S Science, Arts and Commerce College, Khamgaon

Subject: Proposal to Start Certificate Course of Internet of Things

Dear Sir,

I the undersigned most humbly bring in your kind consideration that the students of the Computer Science and Application are going to compete with IT industry, considering the depth of the syllabus of our curriculum. It is need of the time to provide a Certificate Course of Internet of Things **in collaboration with MICROSPECTRA SOFTWARE TECHNOLOGIES PVT. LTD, Shegaon.** This course will be helpful to advanced learners to improve their needed skill of software for IT industry and it will make them competent for JOB.

I wish to propose to start Certificate Course of Internet of Things. The detailed plan of action is attached herewith. This course will be an addition to efforts made by our institutes in achieving its vision and mission.

Please take necessary action to start this course.

Yours

Dr P E Ajmire

Copy to the Chairman, CDC, G S Science, Arts and Commerce College, Khamgaon

G. S Science, Arts and Commerce College, Khamgaon

Department of Computer Science & Application

Certificate Course of

Internet of Things

In collaboration with

MICROSPECTRA SOFTWARE TECHNOLOGIES PVT. LTD,

Shegaon

(Proposed for the session 2017-18)

Submitted by

Dr P E Ajmire

Coordinator

Certificate Course in Internet of Things

Members of Committee

(Board of Studies)

For the conduct of certificate course of Internet of Things, I hereby constitute the following committee -

Sr. No.	Faculty	Designation	Department	Name of Institute
1	Dr P E Ajmire	Associate Professor and Head	Computer Science & Application	G S Science, Arts and Commerce College, Khamgaon
2	Prof. P S Bodkhe	Associate Professor & Coordinator	Computer Science & Application	G S Science, Arts and Commerce College, Khamgaon
3	Prof. A A Tayade	Assistant Professor	Computer Science & Application	G S Science, Arts and Commerce College, Khamgaon
4	Dr. S S Prabhune	Professor	Computer Science & Engineering	Govt. Polytechnic, Khamgaon
5	Vijay Tathe	CEO	Microspectra Software Technologies Pvt. Ltd, Shegaon	
6	Mr. N P Tambat	Assistant Professor (CHB)	Computer Science & Application	G S Science, Arts and Commerce College, Khamgaon
7	Mr. V R Chaudhary	Assistant Professor (CHB)	Computer Science & Application	G S Science, Arts and Commerce College, Khamgaon

Plan of Action (Requirements)

NAME OF COURSE	:	Certificate Course of Internet of Things
ELIGIBILITY OF ADMISSION	:	Any bonafide student of our college with Computer Science/ Computer Application / BCA as a subject
NO. OF TEACHING HOURS	:	6 Hours per day
EXAMINATION PATTERN	:	On line Exam
FACULTY PROFILE	:	1. Vijay Tathe, CEO. 2. Prof. Dipali Tathe 3. Any other (as per requirement)
COURSE FEES	:	Rs 800/- for Our Students
COURSE COMMENCEMENT	:	2nd January
REGISTRATION FROM	:	Proposed as under

G. S. SCIENCE, ARTS & COMMERCE COLLEGE, KHAMGAON.
DIST: BULDANA (M.S.) 444303

Affiliated to S G B Amravati University, Amravati and UGC under 2F and 12B.

College Code. **301**   **Registration Form**   *www.gsck.ac.in*

Course Name: ***"Certificate Course of Internet of Things"***

MICROSPECTRA SOFTWARE TECHNOLOGIES PVT. LTD, Shegaon.

Name	First Name		Middle Name		Surname
Gender	Male/Female				
Category	SC/ST/OBC/VJ-NT/SBC/General (Tick appropriate)				
Program Name	B.Sc.I/II/III / (Group) M.Sc.I/II (Subject)				
Contact Number	Primary		Secondary		Parent
Email	Primary			Secondary	
ADHAR/ UID					
Signature Course Coordinator			Admission Receipt Number		
Date of Admission					Signature of Student

Proposed Syllabus (2018-19)

1. **Introduction to Programming**

2. **Arduino**

3. **Raspberry pi.**

4. **Programming in Python**

Course Outcome (Proposed)

This is a very comprehensive course for User Interface programming designed as per IT industry requirements for our students with basic knowledge of computer science and its applications. Probable Course Outcomes are:

Students will learn

- ➢ How to use Raspberry pi ?.
- ➢ How to design application for Raspberry.
- ➢ How to design Users Interface?
- ➢ How to design and access database ?
- ➢ How to write program in Python?
- ➢ How to design app to control remote devices?

Head,

Dept. of Comp.Sci. and Appln

P E Ajmire.