

Date: 23/06/2016

To
The Principal,
Rajarshi Chhatrapati Shahu College, Kolhapur

Subject: Permission to start short term certificate course in Physics

Respected Sir,

Department of Physics is willing to run short term certificate course entitled "Repairing of Electronic Devices and Instruments". Herewith enclosing the details of this course for your kind perusal.

Please give us the permission to start the said course from academic year 2016-17.

Thanking You,



Yours faithfully,

Head
Department of Physics
Rajarshi Chh. Shahu College, Kolhapur.

Copy to: The IQAC Co-ordinator, R.C.Shahu college, Kolhapur

**Rayat Shikshan Sanstha's
Rajarshi Chhatrapati Shahu College, Kolhapur
Department of Physics**

Short term course on "Repairing of Electronic Devices and Instruments"

Academic Year 2016-17

➤ **Aims & objective:**

- II) To provide basic knowledge of electronic components to understand the working of electronic components.
- III) To improve electronic skill among the students.
- IV) To provide job opportunity or self-employment to the students.

➤ **Course Fee:** Rs.200/-

➤ **Course duration:** 30 period of 48 min duration

➤ **Students admitted for the course:** B.Sc.III students

➤ **Syllabus:**

Unit-I: Introduction of electronic Ideas **6 P**

Safety and precaution of instruments, soldering and disoldering technique, current, voltage, amplitude and frequency.

Unit-II: Introduction and measurement of basic electronic components **8 P**

Resistance, capacitance, inductance, transformer construction and working of transformer and its types, type of power supplies i.e. a.c. and d.c., use of multimeter and testing of components

Unit-III: Semiconductor devices **6 P**

Introduction to basic semiconductor concept, diode and its types and working, transistors and its type and working, IC's

Unit-IV: Building simple circuits on breadboards **4 P**

Introduction to PCB, Tag board, Vero board and Breadboard

Unit V: Practical work **6P**

1. Construction of Dark sensor using transistor, phototransistor and photodiode.
2. Construction of 5V Regulated power supply.
3. Construction of a melody generator using UM66.

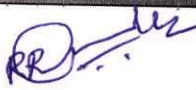




References:

1. Electronic instruments Hand Book- Clyde F.Combs
2. Electronic engineers Reference Book, L.W.Tuner
3. Starting Electronics, Keith Brindley




Rayat Shikshan Sanstha's
Rajarshi Chhatrapati Shahu College, Kolhapur
Board of Studies in Physics

BoS for short term course on "Repairing of Electronic Devices and Instruments" is constituted by discussion with Principal and IQAC Coordinator. Following is the constitution of Board of studies in Physics for Year 2016-17

Name of the BoS member	Designation	Signature
Prin.Dr. Kumbhar R.R. Principal, R.C.Shahu College, Kolhapur	BoS Chairman	
Dr. Sathe S.N. In-charge Arts Faculty, R.C.Shahu College, Kolhapur	IQAC Coordinator Member	
Dr. Lavekar S.S. In-charge Commerce Faculty	Chairman Criteria-I Member	
Dr. Killedar V.V. In-charge Science Faculty, R.C.Shahu College, Kolhapur	Head, Department of Physics Member	
Dr. Kamble P.D. Assistance Professor, The New College, Kolhapur	External Subject Expert Member	




Principal,
Rajarshi Chh. Shahu College
Kolhapur.

 Principal, Dr. R.R.Kumbhar M.Sc.,Ph.D.	Rayat Shikshan Sanstha's RAJARSHI CHHATRAPATI SHAHU COLLEGE, Kadamwadi Road, Kolhapur – 416 003 (Maharashtra) (Arts, Commerce, Science, B.C.A., B.C.S. and Vocational) NAAC Reaccreditation (3 rd Cycle) : A (CGPA : 3.07)	Outward No. <u>SAH/24/2016-17</u> Date: <u>3/7/2016</u>
	Office Phone No. - (0231) – 2654658, 265027 E-mail : klpshahuacol@gmail.com, Website : rcshahucollege.in	Univ. Affi. No. UKF- 1092/4970/M-SHI-3/1994 Jr.College Code J23.09.001

To
Dr.P.D.Kamble
Assistant Professor,
Department of Physics ,
The New College, Kolhapur

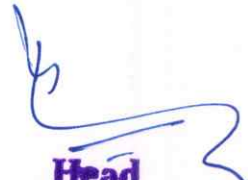
Subject: Consent to work as subject expert for BoS in Physics.

Sir,


Department of Physics is going to run short term course on “Repairing of Electronic Devices and Instruments” for the academic year 2016-17. Here with request you to give your consent to work as subject expert for BoS in Physics.

Thanking you,

Yours faithfully,


Head
Department of Physics
Rajarshi Chh. Shahu College, Kolhapur.




Principal,
Rajarshi Chh. Shahu College
Kolhapur..

Date: 5/6/2016

To
The Principal
R.C.Shahu college, Kolhapur

Subject: Consent to work as subject expert for BoS in Physics.

Sir,

Thank you very much for inviting me to work on BoS in Physics for short term course entitled Repairing of Electronic Devices and Instruments run by Department of Physics of your college for the academic year 2016-17.

I will accept the invitation and give my consent to work as BoS member for the said course.

Thanking you,

Yours faithfully,



Dr.P.D.Kamble
The New College, Kolhapur

Rayat Shikshan Sanstha's
Rajarshi Chhatrapati Shahu College, Kolhapur
Department of Physics

Short term course on "Repairing of Electronic Devices and Instruments"

Academic Year 2016-17

Meeting Notice

The meeting of BoS in Physics will be held on 11/07/2016 at 10:30 am to discuss the curriculum of short term course "Repairing of Electronic Devices and Instruments" to be run by the department of Physics. All BoS members should attend the meeting.

• **Agenda of the meeting**

1. To discuss and finalize the curriculum of short term course proposed by Department of Physics for the academic year 2016-17.
2. Give permission to commence the said course from academic year 2016-17.
3. Any other subject to be discussed at the time of meeting.

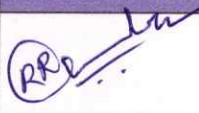

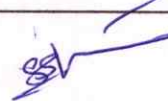


Name of the BoS member	Designation
Prin.Dr. Kumbhar R.R. Principal, R.C.Shahu College, Kolhapur	BoS Chairman
Dr. Sathe S.M. In-charge Arts Faculty, R.C.Shahu College, Kolhapur	IQAC Coordinator Member
Dr. Lavekar S.S. In-charge Commerce Faculty	Chairman Criteria-I Member
Dr. Killedar V.V. In-charge Science Faculty, R.C.Shahu College, Kolhapur	Head, Department of Physics Member
Dr. Kamble P.D. Assistant Professor, The New College, Kolhapur	External Subject Expert Member

• **Minutes of the meeting:**

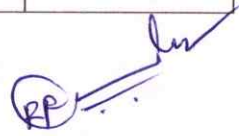
The meeting of BoS in Physics is held on 11/07/2016 at 10:30 am . In this meeting the discussion on curriculum of short term course “**Repairing of Electronic Devices and Instruments**” is held. In this meeting following decisions are taken:

1. Discussion on curriculum of short term course “Repairing of Electronic Devices and Instruments” is held and all BoS members are agrees to sanction the curriculum of the said course .
2. Department of Physics should commence the course from academic year 2016-17.
3. After completion of the course the examination will be conducted and certificates will be given to participant students.,

Following members are present for the meeting.

Name of the BoS member	Designation	Signature
Prin.Dr. Kumbhar R.R., Principal, R.C.Shahu College, Kolhapur	BoS Chairman	
Dr. Sathe S.M. In-charge Arts Faculty, R.C.Shahu College,Kolhapur	IQAC Coordinator Member	
Dr. Lavekar S.S. In-charge Commerce Faculty	Chairman Criteria-I Member	
Dr. Killedar V.V. In-charge Science Faculty , R.C.Shahu College,Kolhapur	Head, Department of Physics Member	
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Principal,
Rajarshi Chh. Shahu College
Kolhapur.