

### About College

Govt. Nagarjuna Post Graduate College of Science, Raipur Naac 'B' Establishment 1948 College With Potential For Excellence 2010-13 Autonomous College -1987 Status :Lead College of Raipur Affiliation: Pt.R.S. Shukla University Raipur. College provide quality education to create a zeal among the students of this tribal belt for overall improvement of the society through excellence in education and research.

### About WRIC

Western Regional Instrumentation Centre (WRIC), Mumbai is an autonomous institute established in 1977 and fully funded by the University Grants Commission (UGC), Government of India, New Delhi in association with University of Mumbai. WRIC is the only Regional Instrumentation Centre in India and which has now been recognized as a National Facility Centre for Instrumentation by UGC.

The overall impact of the Centre's activities since its inception has been to further the UGC's efforts in creating adequate, self-supporting infrastructure in the Indian universities by providing research, maintenance, testing and measurement services in the field of instrumentation

. WRIC aims to be:

- Resource Centre to create necessary facilities for Instrumentation programmes.
- Role model for providing instrument services such as calibration (Electro technical, temperature and pressure), Repair and maintenance, Glass blowing, Instrument fabrication services, organizing Maintenance camps
- Centre for Design & Development of new teaching aids to facilitate teaching, research
- Resource Centre for conducting training programmes in instrumentation & instruments repair & maintenance
- Resource centre for R&D in instrumentation for Education, Research & Industries.

### Organizing Committee

Chief Patron

**Dr. Radha Pandey**

Principal

Govt. Nagarjuna Post Graduate College Of Science,  
Raipur

### Co-chair

**Dr. Indu A George**

Director

WRIC

University of Mumbai

Vidyanagari

Kalina, Santacruz (E)

Mumbai – 400 098

Telefax. : 022-2653 0248

E-mail : [director@wric.mu.ac.in](mailto:director@wric.mu.ac.in)

**Dr. P. Y. Patil**

Co-ordinator

Sub-centre, Ratnagiri

University of Mumbai

P-61, MIDC, Mirjole,

Ratnagiri-415 639

**TEL.NO.** +91 (2352) 230086 /  
230088

Mob. No. : 098811735210

**E-MAIL:** [pypatil2009@gmail.com](mailto:pypatil2009@gmail.com)

**Program Co-ordinator**

**Mr. N. Nageswara Rao 98691 28248**

Technical Officer II

**Laboratory conveners**

**Mr. Sudhir Kumar**

### Faculty

N N RAO

Govind Chitte

MILIND SHIDRUK

SUDHIR KUMAR

DVENDRA GUNDE

## Govt. Nagarjuna Post Graduate College of Science, Raipur



A

State Level Workshop

On

“Operation and Maintenance of Opto  
Analytical Laboratory Equipments”

**4<sup>th</sup> – 8<sup>th</sup> October 2021**

Organized By Govt. NPG College of  
Science Raipur  
in association with IQAC &



Western Regional Instrumentation  
Centre, Mumbai.

**CO-ORDINATOR**

SUB-CENTRE, RATNAGIRI

UNIVERSITY OF MUMBAI

P-61, MIDC, MIRJOLE,

RATNAGIRI-415 639

**TEL.NO.** +91 (2352) 230086 / 230088

FAX: +91 (2352) 230044

**E-MAIL:** [pypatil2009@gmail.com](mailto:pypatil2009@gmail.com)

**Website:** [www.mu.ac.in/ratnagiricampus](http://www.mu.ac.in/ratnagiricampus)

<p>Dear Sir/Madam,</p> <p><b>Ratnagiri, Sub-centre in association with UGC's Western Regional Instrumentation Centre, Mumbai,</b> is organizing a six day workshop on <b><i>"Maintenance of Electronic Laboratory Instruments"</i></b> from 04<sup>th</sup>-08<sup>th</sup> Oct 2021. The keen motivation behind organizing this programme has been the fact that most of the faculties/ technicians in colleges are not trained adequately on the repair/maintenance of electronic equipment's. Many laboratories have a large number of equipment's abandoned due to very minor defects. Also, the money that is spent for the repair and maintenance of these equipment's is very large. Again, the repairing cannot be performed in time leading to several difficulties in the smooth functioning of laboratories. In a separate dimension, the wastes emerging from electronic equipment's is alarming and is going to be a great challenge for the present scientific community. The workshop focuses on these issues.</p> <p>The training will be given on the essential equipment's of any B.Sc. or M.Sc. laboratories like Analytical Electrical and optical Instruments etc. The participants are welcome to bring electronic equipment's from their laboratories that needs repair.</p> <p><b>Scope:</b></p> <p>The program curriculum has been specifically designed for technical and scientific staff of science departments of university and all university colleges. This program aims at imparting skills in operation, maintenance and repairs of laboratory instruments commonly used in science laboratories.</p> <p><b>Chemistry &amp; Biological Sciences</b></p> <ul style="list-style-type: none"> <li>• Introduction to the basic of electric and electronics equipment &amp; components.</li> </ul> <p>Awareness and requirement of general repairs and maintenance of laboratory Instruments..</p>	<ul style="list-style-type: none"> <li>• Repairing of electrical instruments like, hot plate, heating mental, magnetic stirrer &amp; water bath.</li> <li>• Working, proper handling and repairing of temperature controlled oven, incubator &amp; water bath.</li> <li>• Working principle repairing, maintenance and calibration of pH meter, pH electrode, colorimeters, flame photometer, spectrophotometer, &amp; conductivity meter .</li> </ul> <p>Operation, repairing and maintenance of optical Microscope &amp; analytical balance.</p> <p><b>Maximum number of participants : 100</b></p> <p><b>Note :</b></p> <ul style="list-style-type: none"> <li>• <b><i>Colleges must send their Instruments for repairing with their participant</i></b></li> </ul> <p><b><i>1<sup>st</sup> day will be common for both programmes. From 2<sup>nd</sup> day onwards respective topics will be covered for programme 1 &amp; programme 2</i></b></p> <p><b>Registration Fees - Rs.---- NIL</b></p> <p><b>Accommodation:</b> No accommodation and TA/DA will be provided by this college.</p>	<p align="center"><b>APPLICATION PROFORMA</b></p> <p align="center"><b>Joint Workshop on</b></p> <p align="center"><b>Maintenance and Operation of Laboratory Equipment</b> (4<sup>th</sup> – 8<sup>th</sup> Oct. 2021)</p> <p>Name &amp; Designation of Applicant : _____</p> <p>_____</p> <p>Correspondence Address : _____</p> <p>_____</p> <p>_____</p> <p>Tel. (Res) _____ (Off) _____</p> <p>(Mob) _____ (Fax) _____</p> <p>E-mail _____</p> <p>Age _____</p> <p>Educational &amp; Professional Qualification : _____</p> <p>Nature of Present Job : _____</p> <p>Sponsoring Department / College : _____</p> <p>D.D./Cheque No. _____ dtd. _____</p> <p>Drawn on _____</p> <p>for ` _____ or cash _____</p> <p>Signature of the Candidate _____</p> <p>If selected Prof./Dr./Mr./Ms. _____ will be relieved to join the training programme</p> <p><b>Recommendation of Head/Principal/Director of Department/College/Institute</b></p>
---	--	---