Rajiv Gandhi Proudyogiki Vishwavidyalaya
Bhopal

**Accredited with 'A' grade by NAAC**

## Webinar Objective

To Provide the knowledge about the Software Defined Radio (SDR), its working principle,its design concept and the webinar will also cover the working principle of context aware system (CAS), various techniques used i.e. TOA, TDOA, hybrid RF, wireless UWB etc.

## Focus will be on

Software Defined Radios (SDR), Introduction of the SDR and its functional working in a communication Engg environment, its applications to BTS and a Satellite environment and Cognitive Radio exploiting the SDR.

Introduction to Context Aware Systems (CAS), TOA and Kalman filter using UWB Technology, TDOA technique coupled with Kalman filter exploiting UWB radio, Hybrid RF technique exploiting unconstrained nonlinear optimization technique using the UWB wireless platform etc.

## Brief about the Keynote Speaker

### Prof. (Dr.) Venkatapathy Prithviraj

**B.E., (D.S.Sc.A) ISRO sponsored,**
**M.S. (IIT Madras), Phd (IIT Kharagpur)**
*Ex Principal Pondicherry College of Engineering, Ex Dean of Engg. Pondicherry University, Ex Director IT, Govt. of Pondicherry.*

**Chief Patron** Prof. Sunil Kumar Gupta
Hon'ble Vice Chancellor,
RGPV, Bhopal

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Prof. R. S. Rajput,
Director, UIT-RGPV, Bhopal

Prof. S.C. Choube
Coordinator TEQIP III
RGPV, Bhopal

**Convener** Prof. Vinita Saxena Nigam
HOD, ECE Deptt, UIT-RGPV.

**Coordinator** Dr. Sanjay K. Sharma
Asstt. Prof. ECE Deptt,
UIT-RGPV.

**Who can participate:** Research scholars, PG and UG students, and faculty members from EC\CS\IT and from RGPV affiliated Institutions.
**Note:** Limited seats, Registration will be based on First come First Serve basis.
**E-certificate** will be issued to those who qualify the attendance criterion.
Registration fee: There is no registration fee.

For Registration
Visit online registration link
**http://teqip.rgpv.ac.in/Events/EventsHome.aspx**

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TEQIP III

## Five Days Webinar on

"**Software Defined Radios (SDR) and Context Aware System (CAS)**"

## (8th - 12th July, 2020)

## under

# TEQIP – III

**Organised by**
Department of Electronics and Communication
**University Institute of Technology**
**Rajiv Gandhi Proudyogiki Vishwavidyalaya**
**Bhopal (MP)**