

**National Conference on Advances  
in Refrigeration and Air  
Conditioning (NCARAC-2014)**

(Under TEQIP Phase II)

On

27-28 JANUARY 2014

**REGISTRATION FORM**

Name: -----

Designation: -----

Affiliation :-----

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Qualification : -----

Contact Address: -----

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Mobile No.: -----

E-mail ID:-----

Experience (in years) : -----

**Signature of Applicant**

**Signature & Seal of Sponsoring  
Authority**

**Note – No Registration fee & T.A./D.A.  
would be admissible to the participants.**

**NCARAC COMMITTEE**

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Vice-Chancellor  
R.G.P.V., Bhopal (MP)

**Patron**

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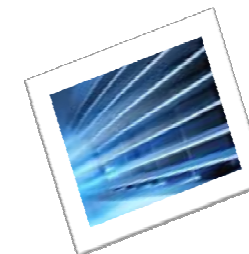
**Coordinators**

**Dr Alka Bani Agrawal**  
Mob No 9425607017  
**Dr.A.C. Tiwari**  
Mob No – 9827220250

**Co-Coordiators**

**Dr Nitin Shrivastava**  
Mob No-9425026883  
**Ravindra Randa**  
Mob No-9425485659

**National Conference on**



**ADVANCES IN REFRIGERATION AND  
AIR CONDITIONING**

**(NCARAC-2014)**

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**Dr. Alka Bani Agrawal**  
**Dr. A C Tiwari**

**Co-coordinators**

**Dr. Nitin Shrivastava**  
**Ravindra Randa**

**Organized By**

**Department of Mechanical Engineering**  
**University Institute of Technology,**  
**Rajiv Gandhi Proudyogiki Vishwavidyalaya**  
**Bhopal-462033**

### **About University**

The Rajiv Gandhi Proudyogiki Vishwavidyalaya (State Technological University of M.P.), was, established in 1998 by Madhya Pradesh Vidhan Sabha Act 13, 1998., RGPV, spread over a sprawling campus of area about 250 acres, envisions to facilitate and nurture the quality of technical education, research and innovations in its own premises as well as in all affiliated institutions. RGPV currently affiliates 212 Engineering colleges, 99 colleges of Pharmacy, 97 MCA institutions and 05 colleges of Architecture in addition to 92 Polytechnics. RGPV has developed a research culture and is promoting industry-institute partnership for resolving industrial problems and transfer of technology to industry.

### **Department of Mechanical Engineering**

The Department of Mechanical Engineering offers undergraduate courses in Mechanical engineering and post graduate course in Heat Power Engineering. The Department has well equipped labs in the Refrigeration and Air-conditioning, Heat and Mass transfer labs and I.C.Engines. It has a Modern CAD lab with latest Design and simulation software's.

### **About the Conference**

Today, Refrigeration and air conditioning (RAC) has become the need of human life rather than a luxury. It's applications are visible everywhere as in cold display units, air-conditioned space at homes and commercial places to airplanes, underground mines to space and numerous applications in manufacturing industries.

The importance of 'cold chain' in the national food security has now also been recognized. RAC sector is facing challenges like introduction of new eco-friendly refrigerants and high energy consumption requirement. Even though the objective of Montreal Protocol governing the ozone depletion is nearly met, those of Kyoto Protocol centered on the emissions leading to Global Warming are yet to be realized. Thus both energy and environmental aspects require the attention of researchers in the field of Refrigeration and Air-conditioning.

The National Conference on Advances in Refrigeration and Air Conditioning (NCAAC-2014) is scheduled to be held on Jan 27-28, 2014 in Dept of Mechanical Engineering at University Institute of Technology. The Conference aims to bring together leading experts in the field from academia, industry and consultancy from all over India. It provides a platform to discuss the latest trends and ongoing research to share and disseminate the knowledge amongst researchers working in Academic Institutions / R&D organizations.

### **TOPICS**

The conference will cover advances and improvements in the following areas of Refrigeration & Air conditioning, but not limited to.

- Enhancement in Existing RAC System
- RAC Equipments, standard and testing
- Natural / New refrigerants and mixtures

- New Refrigeration Techniques
- CFD simulation and modeling in RAC
- Cold chain, transport, and cold storage
- Cold/ Heat recovery and energy efficiency
- Air-conditioning-Air Quality and its distribution
- Automobile Air-conditioning

### **Paper Submission**

Authors intending to present papers must submit a short abstract of 200 words through e mail at [uit\\_mechanical@rgtu.net](mailto:uit_mechanical@rgtu.net) upon acceptance of the abstract, authors are required to send the full paper for peer review to the Technical Committee in the prescribed format given in the website [www.rgpv.ac.in](http://www.rgpv.ac.in)

### **About Bhopal**

Bhopal, capital of Madhya Pradesh combines scenic beauty, historicity and modern urban planning. It is situated on the site of an 11th century city, Bhojapal, founded by Raja Bhoj. Bhopal today presents a multi-faceted profile; the old city with its teeming market places and fine old mosques and palaces still bear the aristocratic imprint of its former rulers. It is centrally located place which is well connected to all parts of the country by road, rail and air. The institute is about 10 Km from the main railway station of Bhopal and 4 Km from Raja bhoj Airport. Weather in Bhopal is normally cold but pleasant in January.

### **Important Dates**

1. **Abstract Submission**      **10 Dec 2013**
2. **Abstract acceptance**      **15 Dec 2013**
3. **Submission of full paper**      **31 Dec 2013**
4. **Conference date**      **27-28 Jan.2014**