

“Research workshop for doctoral candidates”

Program Schedule

Govt. Research Centre, Sahyadri college of engineering and management

Date: 23rd 24th Jan (Fri, Sat), 2015

At Ground Floor Seminar Hall, Sahyadri campus.



23 rd January, 2015 : Friday	
08:45- 9:30	Welcoming of guests
09:30-10:15	Inauguration function*
10: 15	Break
10:15 - 11:15	Dr. K. Byrappa Keynote speech
11:15– 11:30	High Tea
11:30– 1:00	Dr. R Pinto, IITB, Mumbai <i>Scientific Research: From Atoms to Cosmos</i>
01:00 – 01:45	Lunch
1:45 – 3:00	Prof. B.N. Karkera On hand experience of research with Prof. Karkera : 50 years of research Experience - 1
3:00 – 3:15	High Tea
3:15 – 4:15	Dr. Gautham Jeppu Managing time, energy and concentration for academia
4:15 – 5:00	Experience sharing by Dr. Manu, Dr. Jayarama A. and others
24 th January, 2015 : Saturday	
9:30 – 10:30	Prof. B.N. Karkera On hand experience of research with Prof. Karkera : 50 years of research Experience - 2
11:00 – 1:00	Core Nano Research Group meeting (specially material group) with Prof. Richard Pinto

*INAUGURATION AGENDA

9:30-9:35	MC welcome and inviting guests to the stage
9:35-9:40	Invocation song
9:40-9:45	Welcome speech by Dr. Gautham Jeppu
9:45-9:50	Introductory remarks by principal
9:50-9:55	Lighting the lamp
9:55-10:10	Introduction of chief guest Prof. K. Byrappa, Vice chancellor of Mangalore University Brief 5min address by chief guest Prof. K. Byrappa, Vice chancellor of Mangalore University
10:10-10:15	Brief 5 min presidential Address by The Director, Dr. D. L. Prabhakara
10:15	Vote of thanks by Principal Dr. U. M. Bhushi

Topics covered: How to do Ph.D., how to start and do research, how to do literature review, guide-student relationship, how to choose guide, how to choose topic, how to manage time and energy, experience sharing by senior and junior researchers.

Karnataka Government Research Centre



Sahyadri

College of Engineering and Management,
Adyar, Mangalore-575 007

*Cordially invites you to
Inauguration function of*

“Research workshop for doctoral candidates”

Time: 9: 30 am, 23, 24th Jan (Fri, Sat), 2015

at Ground Floor Seminar Hall, Sahyadri campus.

Prof. K Byrappa

Honorable Vice Chancellor, Mangalore University

will be the chief Guest

Dr. Richard Pinto

Professor, Center of Excellence in NanoTechnology, IIT-B

Will be the Guest of Honor

Dr. D. L. Prabhakara

Director, Sahyadri educational institutions

Will be the president

Coordinators are Dr. Gautham Jeppu, Mr. Tenzin Pasang, Dr. Jayarama A., Ms. Saranyaraj D.

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Workshop Speakers' profile



About the speakers:

	<p>Prof. K. Byrappa (Vice -chancellor, Mangalore University) A senior professor, Prof. K. Byrappa specializes in nanotechnology, nanomaterials and materials science. He has published 8 books and contributed a number of research articles for various journals. In 2011, he received the Dr. Raja Raman award for science and technology from the state government for science education. He has delivered special lectures and course lectures in various countries including USA, Spain, Japan etc.</p>
	<p>Prof. Richard Pinto Prof. Richard Pinto obtained B.Sc in 1963 from Mysore University and PhD (physics) in 1972 from Tata Institute of Fundamental Research (TIFR)/ Mumbai University. He joined TIFR in 1964 after graduating from the Atomic Energy Training School. After the advent of high Tc superconductors in 1987, he proposed a program on growth and study of high quality thin films of high Tc superconductors by pulsed laser deposition (PLD), and built a state-of-the-art high Tc thin film laboratory at TIFR.</p>
	<p>Prof. B.N. Karkera (consultant) Prof. B.N.Karkera has worked in Bhabha Atomic Research Center for 34 years. He is a Reactor Engineer, Adjunct Faculty at NIAS, Research consultant, SCEM; Deputy Director, CSIO/CSIR, Faculty of Nuclear Engineering at Manipal Institute and holds several posts. Six of his projects were recognized through Prime Minister, President of India and won awards at national / international levels. He is the recipient of Life Time Achievement Award form NITK AAB.</p>
	<p>Dr. Gautham Jeppu Dr. Gautham Jeppu did his BE Chemical from NITK, Surthkal. He did his masters' degree and Ph.D. from Auburn University, USA. He did his post-doc in CSIRO, Western Australia. He has worked on environmental engineering research for over 6 years and published about 6 papers in international journals. He also has also achieved teacher certification in personality development course.</p>

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Abstracts of Talks



1) Dr. K. Byrappa, VC Mangalore university

2) Dr. Richard Pinto, IITB

Title: "Scientific Research: Atoms to Cosmos"

The history of science is a fascinating subject. This talk is a modest attempt to give a very brief history of science. The early man was curious when he looked at the heavens. Hence, essentially the ground science is the astronomy which excited man from time immemorial. It is generally agreed the Science made the beginning in the Greek society, specifically the island of Crete. It was supposed to be a free society of thinking people at that time. Not only astronomy but also Mathematics (Pythagoras theorem), Matter (Democritus), Geometry (Ptolemy) and the like originated from Greece. Science and scientific research remained dormant for many centuries till the Renaissance period of the 15th century, till the appearance of Copernicus, Kepler, Galileo, Newton and Da Vinci appeared on the scene. However the modern science actually started with some of the greats like Faraday, Maxwell, Volta, Thompson, Rutherford and the like. 20th century however, saw a revolution in advanced science and scientific thought practically in all fields. The notable among them being Quantum theory, Nuclear physics, Atomic physics, Particle physics on the one hand and Superconductivity and Semi-conductivity on the other. What has revolutionized human activity most is the mind-boggling advancement in the area of integrated circuits. The 21st century is supposed to be a century for biology, biotechnology and nanotechnology. Finally modern research not only require large amount of investments but also dedicated minds in variety of discipline with passion for scientific research.

3) Dr. Gautham Jeppu., SCEM

Title: "Managing time, energy and concentration for academia"

Managing time, energy, concentration and focus is very important for success in research career. A few time management principles will be presented are mentioned below:

- 1) Covey's Time Management Grid
- 2) Distractions for research - internal and external
- 3) Concentration techniques
- 4) Relaxation techniques

4) Prof. N. Karkera, SCEM

Title: "50 years of On Hand Experience"

Dr. Karkera will cover a number of innovative research topics with the bonus of possible patents and commercialization; generally under the following areas, limited to the yeastier year science & technologies and as they plash by the questions from audience. He will touch on few of his past & future patents.

While covering the specified area - "50 years of On Hand Experience", he will be interactive with the audience. Hence, depending on the online reactions of the young audience, he may step on to the following 3 regimes of my research experience:

- A. Solving the day to day simple scientific problem around; which arose out of boyhood curiosities; during school & college days
- B. Research while with BARC and elsewhere.
- C. Unsolved problems on Safer NPP; Growing Universe; New Senses - BodyPhone & BodyEye; etc.