

## CURRICULUM VITAE

### Kiran Dasari

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### Career Objective

To be a part of research organization where I can have ample opportunities and get a chance to prove my abilities and make an impact in the field of Research & Development.

### Areas of Interest:

- Generation and characterization of Nanomaterials and devices
- Solar cells using nanotechnology, and energy consumption by Nanotechnology
- CNT & DNA based Nanoelectronics,
- Lithography techniques

### Educational Qualifications

1. **Master of Technology in Nanotechnology** from **Vellore Institute of Technology University**, Vellore, (Tamil nadu) India
2. **Master of Science in Physics** from **Vikram University**, Ujjain, (MP), India during 2005-2007
3. **Bachelor of Science** from **Osmania University**, Hyderabad, (AP), India during 2000-2003

### Project Work:

Masters thesis work on “**Femtosecond laser formation of nanoripples in dielectric media- TiO<sub>2</sub>**” under the guidance of Dr. Ruediger Grunwald and Dr. Susanta Das, C2 Scientists, at **Max-Born Institute for nonlinear optics and short pulse spectroscopy**, Berlin, Germany

### Awards/ prizes

- Selected for the **SAP Fellowship** (Semester Abroad Program) from VIT University to carry out Masters thesis/project work at Max-Born Institute, Berlin, Germany.

### Scientific papers:

- “**Generation of extended-area femtosecond laser induced periodic nanostructures on TiO<sub>2</sub> by moving samples through a line focus**”, SPIE Photonics West, January 23-28, San Francisco 2010 (accepted)
- **Generation of femtosecond laser induced periodic nanostructures on the large area of TiO<sub>2</sub> surface using cylindrical lens** (manuscript under preparation)
- **Mechanical properties of laser induced nanoripples on TiO<sub>2</sub> by femtosecond laser pulses at 400 nm** (manuscript under preparation)

### Scientific presentations:

- Oral presentation on “**femtosecond laser induced nanoripples in TiO<sub>2</sub>**” in workshop on “**ZnO & TiO<sub>2</sub> nanostructures**” July 9, 2009 at Max-Born institute, Berlin, Germany

- Oral presentation on “**Nanotechnology and carbon nanotubes**” at School of Studies in Physics, Vikram University, Ujjain, India

#### **Seminars Presented:**

- Attended National Conference on **Advanced Material Characterization (AMC)** conducted on 23-25 July-08 at **VIT University**, Vellore, India
- Participated and **Poster** presented on ”**Carbon nanotubes & their applications**” at the National Research Seminar on “**Materials for future technologies, NASMAFT-2007**” sponsored by **UGC** on 20-21 February 2007 at Govt. Girls P. G. College, Ujjain, **Vikram University**, Ujjain (M.P.), India
- Presented a paper on “**Carbon nanotube based Atomic force microscope tips**” on 7<sup>th</sup> of April, 2008 in “**TECH NEXT 08**” at **VIT University**, Vellore, TN, India

#### **Research exposure:**

4. Laser System-
  - a. **Femtosecond laser system with 40 fs, 3 mJ, 800 nm and 400 nm**
5. Characterization Techniques-
  - a. **XRD, AFM, SEM and Optical Microscope**
6. **Electrochemical Work Station**

#### **Key Strengths and Hobbies**

- To work with positive attitude, analyzing all kinds of situation and honest efforts
- Hard Working
- Surfing internet and chat
- Travel & Tourism(visited many places in India and Europe)

#### **Industrial experience:**

- Technician in handling the laser system and characterizing the nanostructures with Atomic force microscope (AFM), Optical microscope at Max-Born Institute, Berlin.

#### **Personal Details:**

Father’s Name	: <b>Mr. Sudarshan Dasari</b>
Date of Birth	: <b>13-05-1982</b>
Marital Status	: <b>Single</b>
Sex	: <b>Male</b>
Languages Known	: <b>English, Hindi and Telugu</b>
Permanent Address	: <b>S/o. Sudarshan, Main road, Bhupalpally, Warangal (Dist), Andhra Pradesh, INDIA. Pin: 506169</b>

#### **Declaration**

I hereby declare that the statements made above are true, complete and correct to the best of my knowledge, belief and ability.

Date: **07-11-2009**

Place: **VIT, Vellore**

**(Kiran Dasari)**