

Nanotechnology Mastery Blueprint For Engineering Graduates

For the 1st time in India, **Nano RAM Technologies-Bangalore** is jointly conducting Nanotechnology course for each Engineering branch (Chemical, Civil, Mechanical, Electrical, Electronics & Communications, Biotechnology)

For the fast moving science and technology, the present generation must understand the concept, approach and different applications of the newly emerging field so called “**Nanotechnology**”.

Nano-RAM Technologies-Bangalore has initiated a **certificate course** for the benefit of different students with background of **Engineering, Pharma, Ayurveda, Medical, Dental, Biotechnology, Agriculture, Horticulture, Food, Veterinary, Sciences.**

Initial course on nanotech (8h)... follows....

Every month visit to campus for personal interaction with students

Every week Zoom meeting to update on the nanotech related to engineering branch

Every week Zoom meeting on Higher studies information

Every week meeting on personality development

✓ All students enrolled for nanotech course are entitled to issue user name and password to enter into www.nanotechcareerhub.com

✓ All students enrolled for course are entitled to see the further videos of the nanotech course for more details

✓ All students enrolled for the course will be invited for fortnight zoom meetings to learn more about

- Soft skills
- Communication skills
- Interview facing skills
- Personality development skills
- Public speaking / Seminar delivery skills
- Opportunities for higher studies in India / Abroad

Course package

(containing all the above materials)

The certificate course contains a study package with all the above mentioned material in the form of book (download in pdf form). This includes the list of nanotech industries in India and abroad. Fellowships available in India and abroad for both M.S, Ph.D programs will also be covered for the benefit of final year students B.Tech / M.Tech.

Nanotechnology Mastery Blueprint Course

- ❑ Duration 8h
- ❑ Fee Rs. 1,999/- per student (including GST)
- ❑ Consignment of 50 students (min. 25 to start)
- ❑ Certificate issued by- Shri RAM/ Nano RAM
- ❑ Designed for 1st / 2nd year B.Tech, 3rd / 4th year B.Tech / 1st / 2nd year M. Tech / Ph.D scholars



Entrepreneurship opportunities in Nanotech

Generic skills and entrepreneurship are needed to translate scientific knowledge into products. Scientists and engineers in cooperation with relevant experts should address the societal, ethical, political and health/safety implications of their work for society at large. In the present certificate course several projects will be identified for the benefit of the students to chose and develop their career as **Nanopreneur (entrepreneur in nanotech).**

Nanotechnology Mastery Blueprint

Nanotechnology and its Applications Engineering perspective



Industrial Applications of nanomaterials

- Nanoengineered paints, Transparent nanostructured coatings, Nanochemicals, Fuel cells, Solar cells, Displays, Memory devices, Microelectronics, Energy storage, Energy saving coatings.

Anticorrosion coatings, Thin films, Quantum dot lasers, Quantum computers, Optical and Magnetic storage devices, Healthcare coatings, Fire retardant coatings, Bird repellent coatings, RFID based devices Gas / Pressure / Biomedical sensors, Data Memory (MRAM, GMR, HD), Displays (OLED, FED), Laser diodes, Glass fibers, Optical switches, Filters (IR blocking), Conductive. antistatic coatings, Light weight construction, Painting, Catalysts, Tires, Lubricants, Coatings for wind screen, car bodies, Fillers for paint, Nanocomposites, Impregnation of papers, Switchable adhesives, Magnetic fluids, nanomaterials for civil,

- **Many more...will be discussed in the course**

- ✓ All students enrolled for nanotech course are entitled for special training on entrepreneurship
- ✓ Topics will be given to choose from 2nd year onwards and they will be given special training in entrepreneurship to start new entity after completion of the course
- ✓ All students selected for entrepreneurship will be covered with all business related info:
 - HR Management
 - Financial Management
 - Materials Management
 - Sales Management
 - Marketing Management
 - Meeting / Collaboration Management

Projects for internship in Nanotechnology

Several small (Thesis work program with duration of 3M / 6M / 9M) projects in different branches are identified for the benefit of students. Interested students can contact for more information to carry out their internship program with Shri RAM Institute and Nano-RAM Technologies or in collaboration with Shri Ram Institute / Nano-RAM Technologies and parent institution.

Advantage:

Enrolled students will be given access to view the elaborative course material, videos with examples with a given password and will be taken care to guide for their career counselling for higher studies as well as career settlement and life time member for

www.nanotechcareerhub.com

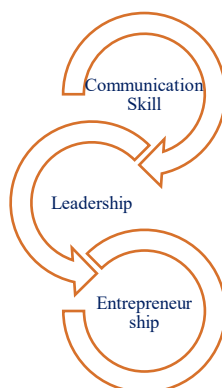
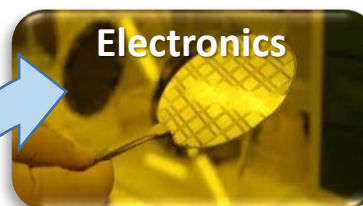
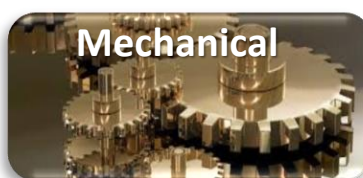
- communities for better network opportunities with the same branch of engineering as well as with other colleges in India.

Also access to all personality development programs on website.

For more information contact: **Dr.A.Phani Ratna**

Mobile: +91-9880400737 (WA)

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List of Nanotech organizations / companies in world wide

A list of nanotech organizations in India and abroad are also mentioned in the study material so that in future students can get more information from these companies or industries.

Fellowships (M.S and Ph.D in abroad)

In this certificate course, several fellowships available in India and abroad will be mentioned for all branches of students.