

Title:- **“EXPOSURE TO ADVANCED MATERIALS IN THE EMERGING MARKET OF INDIA”**

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Advanced materials is a broad term covering all sorts of nanomaterials and micromaterials, showing extraordinary physical , electrical and magnetic properties. This materials have changed the picture of our industry . Be it in electronics, where the micro chips have been reduced to paper sized a nano chips ,be it the fast running magnetic levitated bullet trains or the exciting superconductors , nuclear energy etc. Working in this area and looking forward, I present here my overview on the needs and necessities of these materials in the present Indian market scenario. With being a well equipped telecommunication hub, India is now a booming sector for these materials. With the launch of Start Up India and other policies encouraging industrial entrepreneurship, India can now certainly look on the future with an innovative eye.

The research and industrial use of advanced materials in India can help in compensating for the lack of pre infrastructure and give a big jump to us. Sectors like Energy, Metal Industry, Hardware, Recycling and Decomposting etc. can be benefitted from this . With the adaptation to these materials , we can bring a new era of sustainable development. Agriculture, animal husbandry, Medicines , Bio-industry , Waste Recycling, Water bodies purification , air filters to absorb harmful gases before emission into atmosphere are some of the basic areas that are in extreme need of sustainable technology.

With this vision , I am sure to see this new approach in India, where the technological gap and its defects cab be overcome by exploring and using the amazing properties of these advanced materials.

Biography

Mr. N YASHAN completed his B.Tech from JNTU University in 2015. From then he has been working in the carbon composite division of Defence Research and Development Organization(DRDO), of India. He gained an experience of 3 years in the use of different materials for defence applications. He is the director of YAAVIK MATERIALS AND ENGG. PRIVATE LIMITED and is working in the area of material research .

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