



**MGM's College of Engineering and Technology Kamothe,  
Navi Mumbai - 410 209**

Department of Electronics and telecommunication Engineering

## **SKEP LECTURE** **REPORT**

**DATED- 27/09/2018**

**Time: 3:00 to 4:30 PM**

**Address: MGM's College of Engineering and Technology Kamothe, Navi Mumbai.**

### **ABOUT SKEP: - Skill and Knowledge Enhancement Program**

Skill and Knowledge Enhancement Program (SKEP). SKEP organizes talks, tutorials and distinguished lectures with an intention to reach out to students, faculties and industry professionals. SKEP programmes are an exercise in life-long learning and are offered for the continuing education and skill up gradation of professionals. In addition, this program seeks to motivate and inspire the young student community and endow them with a rare insight into what the industry has to offer and its expectations, thus helping them ease their entry into corporate life. Main goals of SKEP include professional skills development, imparting technical expertise to develop viable applications, disseminating useful knowledge from current fields of interest to the beneficiaries and inculcating technical and logical thinking among the student community. SKEP programmes are conducted by invited experts on the state-of-the-art topics from among the research, academic and industrial areas. The intended audience is students, faculty, IEEE members and other interested persons from research, industry and academic institutions.

As part of activity of SKEP, the department of EXTC Engineering organized a guest lecture inviting **Dr. Nitin S. Kale, Chief Technology Officer** on 27<sup>th</sup> September 2018. Students of second year , Third Year EXTC attended the lecture. In his address, **Dr. Nitin S. Kale** Discussed on the topic “**VLSI Fabrication**”.

### **ABOUT The Department :- Electronics and telecommunication Engineering**

**Vision -** To produce world class Technocrats, Scientists & Entrepreneurs with new ideas & innovations to meet cost effective industry expectations for all sections of society.

**Mission –**

1. To develop & deliver quality academic programs in emerging & innovative field of Engineering to empower the students to meet Industry Standards.
2. To motivate students to develop innovative solutions for betterment of society.
3. To Create Centre of Excellence by establishing the Incubation Centers to meet global research challenges.

In this lecture **Dr. Nitin S. Kale** discussed the Following :-

1. Devices-

I) Piezoresistive Microcantilevers

II) Microheaters

2. Products-

I) Explosives Detection

II) Myocardial Infarction Sensor

3. Instruments-

I) Omnicant

II) Sensimer



Fig 1 & 2 – **Dr. Nitin S. Kale** addressing the Students

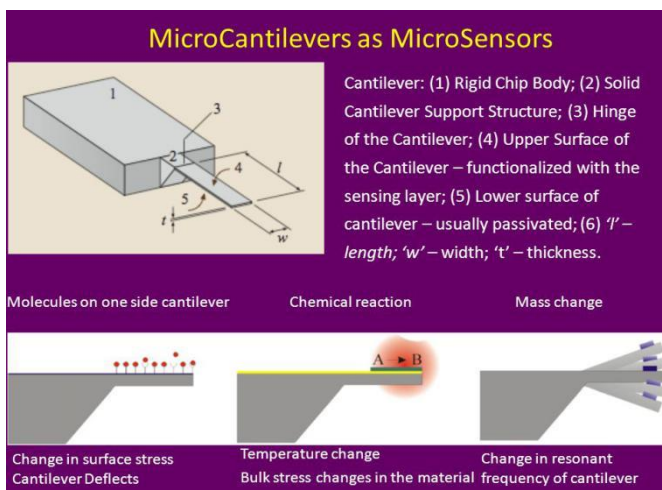


Fig 3. MicroCantilevers as Microsensors

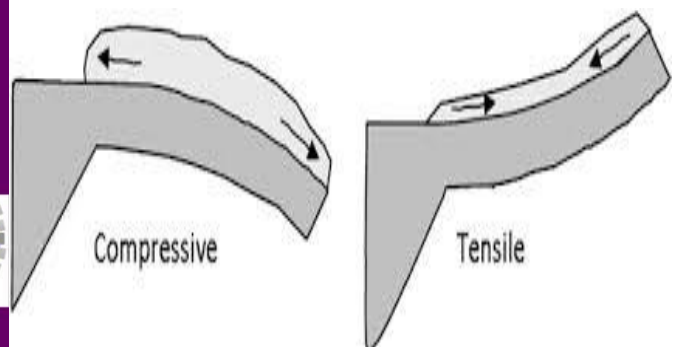


Fig 4. Stress in a thin film on cantilever

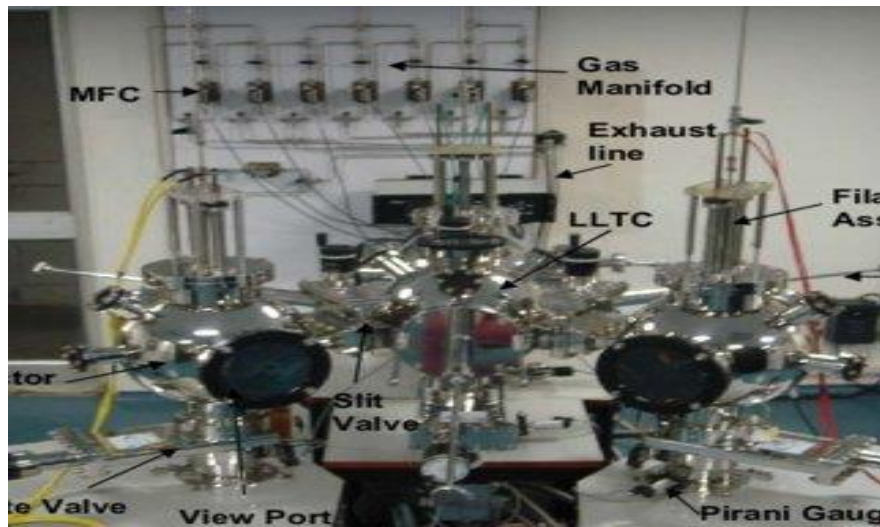


Fig 5. Cluster Tool for MEMS Material

At the end of the lecture, few students asked questions regarding the topic and were very satisfied with the answer from **Dr. Nitin S. Kale**. He concluded his talk by insisting the students and faculty to plan for more of vertical Research, Projects Based on VLSI Fabrication.

We thank The Management, The Principal, The HOD, Guest speaker, Participants and supporting faculty's for their support.

Attendance – 56 Students , 2 Faculty members.

MGM CET NAVI MUMBAI