# Brief CV

| | | | | |
|---|---|---|---|---|
| **Name** | Anand Vyas | 中文名 | |  |
| **Gender** | Male | **Title** (Pro./Dr.) | Dr | |
| **Position** （President…） | Teaching Fellow | **Country** | Hong Kong, China | |
| **WeChat/WhatsApp /FB** | | | | |
| **University/ Department** | Department of Mechanical Engineering | | | |
| **Personal Website** | | | | |
| **Research Area** | Surface Coatings and their Mechanical and Tribological Properties | | | |

**Brief introduction of your research experience:**

I worked on Surface coatings and their characterization. Mainly Physical Vapor Deposition system (PVD) called Closed Field Unbalanced Magnetron Sputtering Ion Plating, which is employed for coating engineering tools purposes. Lately I've been working on Carbon based both single layer CNx/MeN (Me=Ti, Zr, Cr) and multilayer films- TiN/CNx, CrN/CNx, TiCN and multi-component TiBCN (characterization only) films. In the research undertaken, the essential technology and the equipments that I used are – X-ray Photoelectron Spectroscopy, Transmission Electron Microscopy, Atomic Force Microscopy, Raman Spectroscopy, and Fourier Transform Infrared Spectroscopy for characterization, Nano- and Micro-indentation for hardness, Pin-on disc for friction coefficient, Scratch test and Rockwell-C test for adhesion.

Besides, my research is also on Amorphous and Nanocrystalline materials, Materials characterization, High temperature superconductivity.

******All the columns need to be filled in.**