**Hiral Audichya 113010009**

**Aerospace Engineering M.Tech. Indian Institute of Technology, Bombay Female Specialization: AERODYNAMICS DOB: 16-10-1987**



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| **Examination** | **University** | **Institute** | **Year** | **CPI / %** |
| Post Graduation | IIT Bombay | IIT Bombay | 2012 | 7.03 |

Undergraduate Specialization: AERONAUTICAL ENGINEERING

Graduation Gujarat University SVIT 2009 76.6

**PROFESSIONAL EXPERIENCE:**

**AIR INDIA MUMBAI** (Major Maintenance Division of Engineering)(Jan'09-Feb'09)

**GUIDE: R V K SINGH**

* Project work on "**Wing Structure"** of Boeing 777
* Observed Service bulletin for gimbal plate
* Developed new assembly with increased strength

**SmartCAD Software Solutions India(P) Limited** (March'10-June’10)

* Design Project on **"3D model & Manufacturing Drawings of Boom for Industrial Loader Machine"** with the help of **Catia V5 R18** software
* Learned advanced modeling features of the software

**KEY RESEARCH PROJECTS:**

**Endwall Flow Losses and Control in Compressor Cascade Analysis** (June'12-Current)

**M.Tech Project guided by Prof. A. M. Pradeep**

* To analyze the effect of endwall flow losses at the trailing edge of compressor cascade with the help of CFD using FLUENT and GAMBIT software
* To examine the effect of different flow incidence angle
* To study endwall effects on parameters static pressure, dynamic pressure, turbulence(K.E.)

**Wings of Boeing-777** (Jan'09-May'09)

**B.Tech Project guided by Mr. S. S. B. Rao and Prof. Niyati Shah**

* Examined the detailed maintenance of the Aircraft Wing
* Developed gimbal assembly of six bolts from the four bolts
* Damage tap test was carried out for Honeycomb structure damage

**SCHOLASTIC ACHIEVEMENT:**

* **GOLD MEDALIST** in Gujarat University B.Tech graduating batch of 2009
* Awarded **THIRD** prize for Aircraft Modelling in Prakarsh'07inter college TechFest
* Awarded SECOND prize for On the Spot Poster presentation in Prakarsh'08 TechFest