**PHYSICS**

BASIC PHYSICS

**AEROSPACE**

QUADROTOR STABILITY IN AIR MODELLING

ANY OTHER PROJECT MODELLING IN MATLAB…

**COMPUTER**

* VIRTUAL RIALITY
* SYSTEM PROGRAMMING
* IMAGE PROCESSING

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| [**Chaudhuri Parag**](http://www.cse.iitb.ac.in/~paragc) | **paragchttp://www.cse.iitb.ac.in/images/at.gifcsehttp://www.cse.iitb.ac.in/images/dot.gifiitbhttp://www.cse.iitb.ac.in/images/dot.gifachttp://www.cse.iitb.ac.in/images/dot.gifin** |
| **Research Interests:** Animation, Computer Graphics, Virtual and Augmented Reality, Geometric Computer Vision | |
| **Office:** SIA-304, Kanwal Rekhi Building | |
| **Phone Extension:** 7719 | |

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| [**Aluru Srinivas**](http://www.cse.iitb.ac.in/~aluru) | **aluruhttp://www.cse.iitb.ac.in/images/at.gifcsehttp://www.cse.iitb.ac.in/images/dot.gifiitbhttp://www.cse.iitb.ac.in/images/dot.gifachttp://www.cse.iitb.ac.in/images/dot.gifin** |
| **Research Interests:** Parallel algorithms and applications, bioinformatics and systems biology, combinatories scientific computing, applied algorithms | |
| **Office:** Kanwal Rekhi Building, A-310 | |
| **Phone Extension:** 7907 | |

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| [**Sharat**](http://www.cse.iitb.ac.in/~sharat) | **sharathttp://www.cse.iitb.ac.in/images/at.gifcsehttp://www.cse.iitb.ac.in/images/dot.gifiitbhttp://www.cse.iitb.ac.in/images/dot.gifachttp://www.cse.iitb.ac.in/images/dot.gifin** |
| **Research Interests:** Graphics, Computer Vision, Computational Geometry, Parallel Algorithms, Visualization, Medical Imaging | |
| **Office:** SIA-202, Kanwal Rekhi Building | |
| **Phone Extension:** 7726 | |

**ELECTRICAL DEPARTMENT**

**ELECTROMAGNETISM** – project related to

* Modelling the equations in computer and executing them in experiments …
* production and detection of all electromagnetic waves
* and analysing the spectra of some real life situation in matlab ….
* Hence study better the Maxwell equations …

**DIGITAL SIGNAL PROCESSING/ BIOMEDICAL SIGNAL PROCESSING**

* **Matlab**

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| **http://www.ee.iitb.ac.in/Faculty/sc.jpg** | **Subhasis Chaudhuri** | |
| email id: | sc [AT] ee.iitb.ac.in |
| Telephone: | (O) +91-22-2576-7437 |
| (R) +91-22-2576-8437 |
|  |
| Areas of Interest: | Multimedia, Computer Vision, Image Processing, Pattern Recognition, Biomedical Signal Processing  [More information](http://www.ee.iitb.ac.in/~sc) |
| |  |  |  | | --- | --- | --- | | **http://www.ee.iitb.ac.in/Faculty/ubdesai.jpg** | **U.B.Desai** | | | email id: | ubdesai [AT] ee.iitb.ac.in | | Telephone: | (O) +91-22-2576-7414 | | (R) +91-22-2576-8414 | |  | | Areas of Interest: | Signal Processing, Wireless Communication (Multiuser Detection), Adaptive Signal Processing, Image and Video Processing Wavelets, Biomedical Signal and Image Processing, Artificial Neural Networks  [More information](http://www.ee.iitb.ac.in/~ubdesai) |  |  |  |  | | --- | --- | --- | | **http://www.ee.iitb.ac.in/Faculty/pcpandey.jpg** | **Prem C. Pandey** | | | email id: | pcpandey [AT] ee.iitb.ac.in | | Telephone: | (O) +91-22-2576-7445 | | (R) +91-22-2576-8445 | |  | | Areas of Interest: | Speech & Signal Processing, Biomedical Signal Processing and Instrumentation, Electronic Instrumentation, Embedded Electronic System Design  [More information](http://www.ee.iitb.ac.in/wiki/faculty/pcpandey) | | | |