

MTech 2012

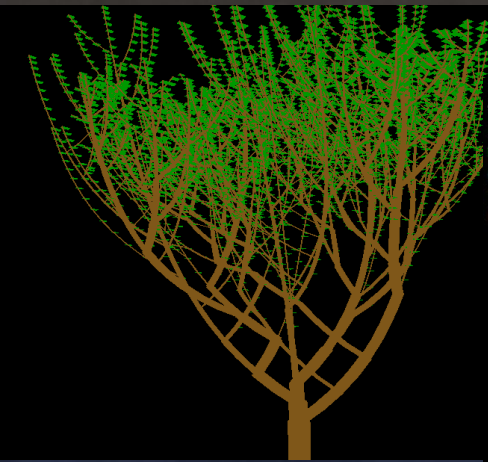
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<http://www.cse.iitb.ac.in/vigil>

Computer Graphics @ CS-IITB



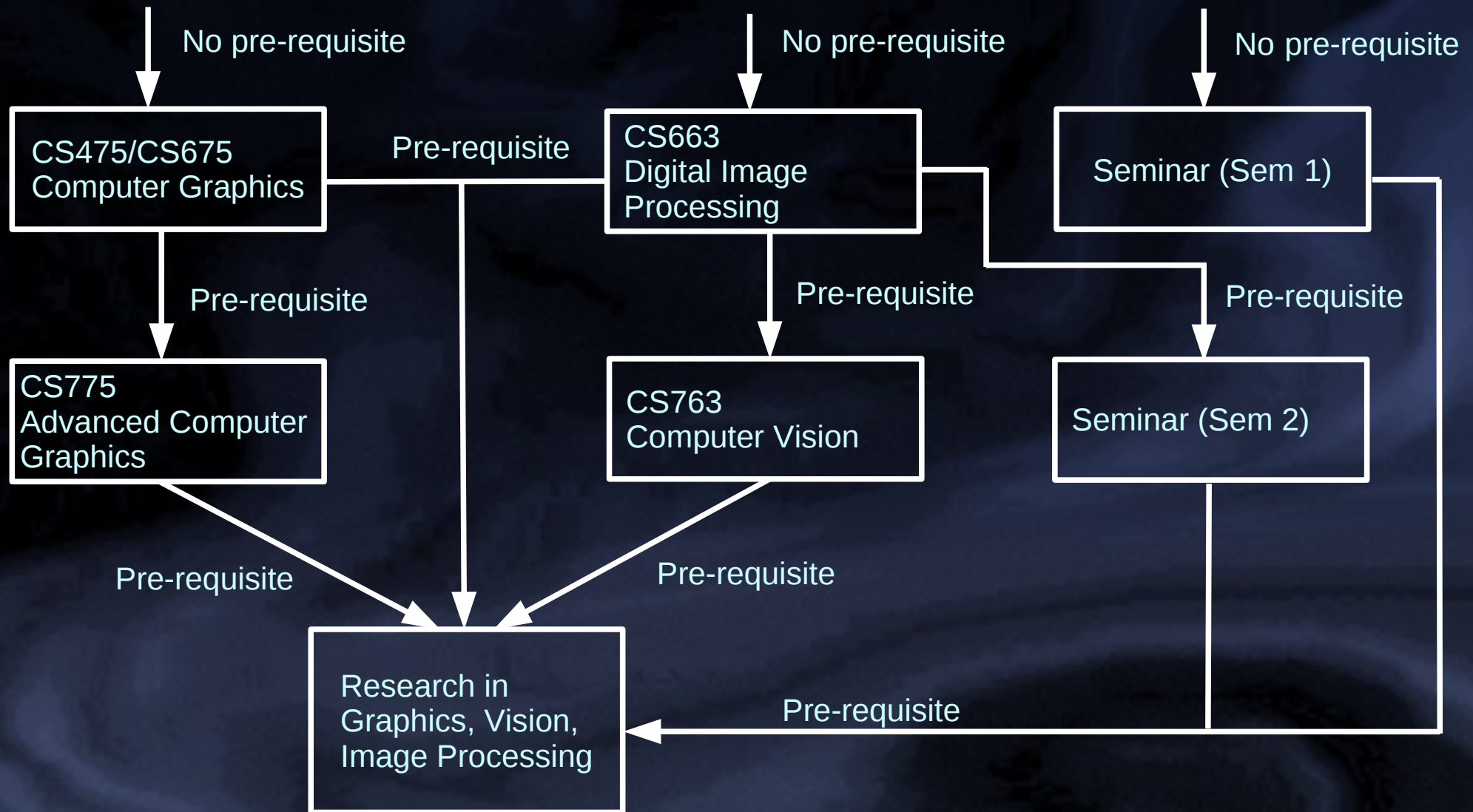
Frame Rate: 56.59
ThreadingModel: SingleThreaded
Event: 0.02
Update: 7.12
Cull: 0.15
Draw: 7.58
GPU:



Course Basket

- Odd Semester
 - Computer Graphics (CS 675)
 - Digital Image Processing (CS 663)
- Spring Semester
 - Advanced Computer Graphics (CS 775)
 - Computer Vision (CS 763)
- Allied Courses
 - Machine Learning, Computer Aided Geometric Design, Optimization, Data Mining, Probability&Linear Algebra
 - R&D Project, Seminar
- Don't Hesitate to Take UG courses

Work with us



Seminar & Research

- Current View of M.Tech Students: Help in bringing into focus the research capabilities
 - Good idea to choose to work with me earlier, rather than later
 - Demand that research be fun
- Ideal to do the seminar in the first semester
- You can opt out of a M.Tech Project; however the default is that you will be opting in

Working Together

- Building a fruitful working relationship takes time and mutual respect
 - Different from being friends
 - Different from being a course instructor
- Building a research idea into fructification takes a lot of time
 - Necessary but not sufficient

Practical Realities

- Key problem: Resources
- Probability of multiple students wanting to work with the same professor is high
- Talk to current students
 - Jai Mashalkar, Gaurav, Sarbartha, Mihir, Hitesh, Yogesh
 - Shamsuddin Ladha, M. Nithya
- Recently graduated students
 - Utkarsh, Viraj Churi, Anup Agarwal, Venkatesh Linga, Srijit Dutt, Prashant Sachdeva

Topics and Number

- Prof. Parag
 - Upto three
 - Does not mean necessarily three.
- Topics Related To:
 - Study of Complex Mass-Spring Systems
 - Modeling and Texturing of Virtual Humans
 - Particle systems (Fire, Cloud)
 - Garment simulation on Virtual Characters

Topics and Number

- **Number of students:**
 - ∞ (if first semester),
 - 0 if second semester (you need to convince me)
- Anything in Graphics and Vision
- Medical Imaging
 - Histopathology imaging based Cancer detection
 - GPU computing