



MPAVG: 3D Tracking and Matchmoving

756 Hours, 24 Months

This program focuses on one of the most exciting and challenging module of the Visual Effects Industry. 3D Tracking and Matchmoving plays a very important role for breathtaking cinematic sequences.

CG elements are seamlessly integrated in the live action footage. With the help of this technique, the Director is free to use his/her creative concepts for storytelling. There are no restrictions or practical challenges for executing any type of camera motion.

What will you learn in this Program?

- Setup of trackers and pointers for live action shooting
- Understanding core concepts of film cameras including lens, fps, shutter speed, aperture, shooting formats and various others
- Knowledge of how to get and read the survey data
- Automatic and manual matchmoving techniques
- Object tracking techniques
- Optimization process of the VFX pipeline
- Integration of various softwares for the final output

Applicable jobs after successful completion of the MPAVG 3D Tracking and Matchmoving Program:







- 3D Tracking / Matchmoving Artist
- VFX Artist
- Rotomation Artist

This program is aligned with MESC QPNOS: MES/Q0504, Q0506, Q1401, Q3504, Q3505.








Fees: Rs. 3,00,000








Module 1: Foundation (6 Months)

Sr. No.	Softwares	Hours
1	 Pre-Production (Story development and execution)	60
2	 Photography (Capturing the moments)	5
3	 Photoshop (Photo editing and compositing)	20
4	 3ds Max (Powerful 3D software for gaming, architecture and assets)	125
5	 Premiere Pro (Video editing and effects)	10
6	 After Effects (Visual effects, motion graphics and compositing)	20
		240

Module 2 : Specialization in VFX (7 Months)

Sr. No.	Softwares	Hours
1	 Advanced After Effects (Visual effects, motion graphics and compositing)	30
2	 Foundation in Maya (Powerful 3D software for movies, series and visual effects)	80
3	 Foundation in Nuke (Powerful node base compositing software for movies and series)	60
4	 PF Track (Node base 3D camera tracking software)	20
5	 Foundation in Houdini (Dynamic simulation tools to create visual effects)	70
6	 3DEqualizer (Powerful matchmoving software)	20
7	 Katana (Powerful tool for look development and lighting)	20
		300

Module 3 : 3D Tracking and Matchmoving (9 Months)

Sr. No.	Softwares	Hours
1	 Advanced 3DEqualizer (Powerful matchmoving software)	40
2	 Maya for Match Move	40
3	 Rotomation in Maya (Animating 3D elements as per live action footage)	80
4	 Nuke (Powerful node base compositing software for movies and series)	36
5	 Syntheyes (Camera tracking software)	20
		216

Module 4

Portfolio Development: 2 Months