

Principal Technical Instructor: Specialization: Cad Cam

(ii) Specialization - CAD - CAM Process / Programming Expert (01)	Research, Analysis strengths	Prototyping/Outcome	Quality	Promo	Logistics	Test
Knowledge, Worldview (Domain)	Knowledge of all CNC machines and tools along with the programming for the same. Thorough understanding of material and processes.	Practical knowledge of All types of 3D printing, CNC laser, CNC router, Water jet cutter, milling, shaping and lathe machine.	Zeal for high degree of precision in work.		Maintenance of tools, equipments and workshops space, Manpower management in workshop	Written
Soft Skills	Ability to understand and resolve issues related to software and it's interface with CNC machines.	Ensuring outcome with effective workshop process management	Helpful in managing course input plans for curriculum.	NA	Ability to use/identify/implement appropriate techniques for delivery of outcome	Interview
Tech./tool Skills	Knowledge of tools used, Knowledge and experience in Rapid prototyping and advance forming processes and technologies	Application of appropriate tools, in the area of rapid prototyping and advance CNC machining.	Ability to achieve quality output. Ability to teach quality control parameters in processes to learner	NA	Ability to support education and technical workshops with expertise and resource, being conducted for sound designing	Skill Demo
Communication	Ability to understand and use basic communication for learning. Needs to communicate with disciplines time to time on requirements and feedback.	Use of appropriate subject related vocabulary during demonstrations. Periodic Progress report submission.	Effective communication in teaching.	NA	Workshop and Lab communication arrangements, Handling equipment indent & purchase communication	Interview
Education	Knowledge/experience of working and ability to demonstrate the relevant skills with appropriate machines and tools. Applied education exposure, Ethics in education	Maintain a record of achievements through the course and use it for demonstration, Maintaining records of techniques.	Awareness of the best practices in education in similar areas.	NA	Resources on applications of appropriate tools for present and future improvement design and professional education	Interview + demo