

Velammal Engineering College, Chennai-600066

BESTPRACTICES: 1 RESEARCH -NewGen IEDC

NewGen IEDC aims to inculcate the spirit of innovation and entrepreneurship amongst the students, encourage and support start-up creation through guidance, mentorship & support. Students are encouraged to take up innovative projects with possibility of commercialization under the guidance of faculty mentors. The projects with a high level of innovation and commercial viability to lead to possible startup by students are selected under this scheme. . This helps to foster culture of entrepreneurship amongst students.

Student-faculty can either plans to transfer the technology to the industries relevant identified or can establish a start-up to commercialize their product.

NewGEN IEDC centre has established with an overall space of 6000 sq. ft. which includes,

- Laboratory for mechanical sciences, electrical sciences & computing sciences
- Training room with projector
- Discussion room with round table
- Start up cubicles with discussion rooms (6 no's)
- Co-ordinators room (3 no's)
- Manpower room

The student should submit the complete details about the project, the financial requirement, and the possible market for the product. The project information may cover the following aspects:

The Business

- The product/service/idea.
- The technology behind the product of the service
- Possible innovation at a later stage
- Scalability
- The market (the size of the market and its growth potential)

Making Velammalians to Stay Hungry by:

- By enhancing Academic focus to Research focus
- Creation of Conducive Research Eco system both for Student and Faculty.
- Increased number of Patents, Copy rights and IPR.
- Paradigm shift from Placement to Start ups.
- Destined towards DST centre for Incubation
- Pitching Opportunity in NIDHI Start up Scheme - Up to Rs. 10 lacs per Start up.
- Technological Solution hub for Social issues.

BESTPRACTICES: 2 ACTIVITY BASED LEARNING

With activity-based learning, students are actively engaged in the learning process rather than simply listening to lectures. The ABL creating a supportive learning atmosphere in the classroom. Students are encouraged by activity-based learning to create mental models that enable higher-order performance, such as practical problem solving and the transfer of knowledge and skills. Students' are motivated greatly by the interactions between professors and students. Activity-based learning support students in learning and remembering knowledge by enabling them to get physically and cognitively involved in the learning process.

Experimentation, expressiveness, and exploration are the major three methods through which activity-based learning is accomplished. This practise of learning from one's own experiences is done to aid learners in memorising and comprehending their course information. ABL places a strong emphasis on fostering student independence via research and analysis. Activity-based learning encourages students to be independently analytical, think critically, and learn from their own experiences by asking them to work on their own or in small groups with other students. Demonstrations, Interactive Seminars, Quiz, Group Discussions, Role Play, Case Studies and Video based Learning are some of the activity based learning conducted to improve the students learning.