



**2023-2024**

## **Institutional Distinctiveness**

### **Fostering Industry-Aligned Skill Development**

Dhanalakshmi Srinivasan Engineering College (DSEC) distinguishes itself through its steadfast commitment to equipping students with industry-relevant skills, bridging the gap between academia and the professional world. This focus on **Industry-Aligned Skill Development** is not merely an add-on but a cornerstone of the institution's mission to produce graduates who are job-ready and future-focused.

#### **Key Initiatives Driving Industry-Aligned Skill Development**

##### **1. Centers of Excellence (CoE): Bridging Academia and Industry Needs**

DSEC has established specialized Centers of Excellence in collaboration with leading organizations, including:

- **Microsoft Power BI Data Analytics and AWS Cloud Architecture:** These CoEs provide hands-on training in tools and technologies that are in high demand, enabling students to gain proficiency in analytics and cloud computing.
- **Autodesk Fusion 360:** The Product Design Engineer program empowers students with skills in 3D design and product innovation, preparing them for roles in advanced manufacturing and design industries.

##### **2. Robust Collaboration with Industry Leaders**

DSEC has strategically partnered with industry giants and professional bodies to enhance student competencies:

- Collaborations with **EDU SKILLS** bring access to training from 10 corporate companies, including AWS, Palo Alto, Fortinet, Microchip, and Google.

- Partnerships with L&T EduTech and the Indian Biomedical Skills Consortium ensure that students gain exposure to cutting-edge practices in biomedical engineering and advanced technology sectors.

### **3. Skill-Specific Programs and Certifications**

The institution regularly organizes programs that align with global industry standards:

- **Lean Six Sigma Yellow Belt Certification:** Conducted in association with MSME, this program equips students with process optimization skills critical for manufacturing and service industries.
- **Advanced C# and .NET Programming:** Delivered in collaboration with Capgemini, this course enhances software development skills, ensuring employability in the IT sector.

### **4. Hackathons and Innovation Challenges**

DSEC fosters a culture of innovation through events such as:

- **Smart Minds Hackathon:** Organized in association with AIC Raise, this event encourages students to solve real-world problems using technology.
- **AI Revolution in Cyber Security Summit:** This summit allowed students to interact with industry experts, deepening their understanding of cybersecurity's evolving landscape.

### **5. Recognition as a Host Institute for MSME Initiatives**

DSEC's approval as a **Host Institute (HI)** under the MSME Innovative Scheme reflects its credibility in nurturing entrepreneurship and skill development. This status allows the institution to implement incubation components, offering students hands-on experience in entrepreneurial ventures.

### **6. Curriculum Tailored to Industry Trends**

The institution's new Regulation 2023 curriculum integrates industry inputs, ensuring relevance to current market demands. Regular Board of Studies and Academic Council meetings with academic and industry experts provide insights into emerging trends, keeping the syllabus dynamic and impactful.

## **7. Professional Society Engagement**

The inauguration of the **Society of Automotive Engineers (SAE) Student Chapter** and other professional affiliations provides students with platforms to connect with industry professionals, participate in competitions, and access exclusive learning resources.

### **Impact of Industry-Aligned Skill Development**

#### **Enhanced Employability and Placements**

DSEC's focus on skill development has resulted in remarkable placement achievements:

- Over 1,197 students were placed in leading companies, with some securing packages as high as ₹10 LPA.
- Students trained under industry-aligned programs are sought after by employers for their practical expertise and readiness to contribute from day one.

#### **Global Competence of Graduates**

Through collaborations with international organizations and skill-specific programs, DSEC graduates are equipped to compete on a global stage, contributing to their fields with cutting-edge knowledge and practical experience.

#### **Innovation and Entrepreneurship**

The institution's emphasis on real-world applications of knowledge has fostered a culture of entrepreneurship. Programs supported by MSME and initiatives like patent filing and hackathons encourage students to innovate and think entrepreneurially.

### **Conclusion**

DSEC's distinctiveness lies in its ability to seamlessly integrate academic learning with industry expectations. By providing students with opportunities to acquire globally recognized certifications, hands-on experience, and exposure to emerging technologies, DSEC ensures they are not only job-ready but also equipped to lead in their chosen fields. This dedication to **Industry-Aligned Skill Development** positions DSEC as a trailblazer in engineering education, shaping professionals who drive technological and societal progress.

