



DAYANANDA SAGAR UNIVERSITY
SCHOOL OF ENGINEERING
(A State Private University under the Karnataka Act No.20 of 2013)
Approved by UGC and AICTE, New Delhi



Department of Computer Applications

Department Strategic Plan for 2021-22

Over the past six years, the University has shown tremendous growth and to sustain the process, strategies must be formulated and implemented effectively. Strategic plan focuses on the current trends and disrupting forces in higher and technical education strata which when adopted can show better performance. It makes assessment of stakeholders expectations, students, faculty members, employers and needs of the people of the region.

Following plans are projected after proper discussion and considering the short term, medium term, and long term development plans. The University has a student centric approach and stakeholders are the final beneficiary of these developments.

DSU CA's Strategic Plan includes the following:

University approved curriculum is strictly adhered to and faculty members and students are encouraged to take up online short term courses/ value added courses to enhance skills and technical abilities. Encouraging high quality research, industry engagement, entrepreneurship and social outrage that are targeted at helping people of the region.

The activities are planned in the beginning of every academic year through the Academic calendar and suggestions are sought from the faculty members.

Development plan is a quality initiative which concentrates on the development of the departments in terms of infrastructure, faculty strength, faculty achievement, students' development and students' achievement.

The plan is finalized by the HOD in consultation with the faculty members. This plan is then discussed in the HOD's meeting with the Dean followed by approval from the management.

The salient features of the strategic plan are

- Recruiting highly competent faculty as per UGC and AICTE norms, based on vacancy positions.

- Motivating faculty to use more ICT, smart classrooms, online learning tools and pedagogy tools.
- Motivating faculty and students to take up online training and certifications.
- Publishing papers in reputed journals by faculty members and encouraging students to do the same.
- Encourage and motivate students to present projects at reputed institutes.
- Sponsoring faculty members and students to National or international level events.
- Increase the number of patent filing.
- Participation in conferences.
- Sign MOU with industry for teaching courses, training, interaction, inviting experts for interactive sessions.
- Organize workshops / training for faculty / organizing conferences.
- Organize hackathons for students.
- Introduce certificate / value added courses
- Guest lectures, club activities under various clubs
- Industrial and field visits.
- Purchase of lab equipment, lab accessories or tools or consumables, software purchases.
- Training of non teaching staff
- Organize various camps like blood donation, swachh Bharat camps, NSS activities.
- Internship an industry based project for students.
- Apply for projects from government and non government organizations like DST, ISRO Respond, KSCST

The implementation of these plans have resulted in

- Increase in the number of papers published in reputed journals and student involvement in this activity has also improved.
- Innovative projects being developed at the institute with combined effort of faculty members and students.
- Increase in the number of faculty members pursuing doctoral programs in the institute.

Implemented Plans (2021-22)

1. MOU signed between DSU and Ziroh Labs in June 2021.

The objective of the MOU is to share the knowledge resources and jointly work on the building capacities of the students and faculties of DSU through VOIS for Tech: Learning with Vodafone University Engagement Program.

Outcome:

With this MOU, the students and faculties of DSU were benefited through project training and execution. The selected project was awarded Rs 5,000/-.

2. MOU signed between Department of Computer Applications, DSU and UiPath in February 2022.

The objective of the MOU is to share the educational alliance with knowledge resources and jointly work on the building capacities of the students and faculties of CA through distance learning on Robotics Process Automation to build a new Robot.

Outcome:

With this MOU, the students and faculties of Computer Applications, DSU were benefited through project training and execution.