

Department of Computer Science

Program Improvement Plan based on the committee reporting and annual program report (APR) 2023-2024

No.	Tasks & Activities (Action Recommendations)	Person(s)/ units Responsible	Timelines	Resources Required
1.	Monitoring of the Program Strategic Plan for the next five years will be aligned with the new College and JU Strategic Plans. To track the progress of the strategic plan, an operational plan has been developed and implemented, and the achievements need to be evaluated annually.	Departmental Strategic Plan Committee	September 2025	Department Support
2.	Regularly Update Resources and Digital Materials <ul style="list-style-type: none"> Establish a schedule to regularly update both physical and digital reference materials in line with current academic developments. Conduct an annual review of all library and digital resources to ensure they reflect current information. Invest in technology to provide students with access to the latest e-books, journals, and research tools. 	Library resource Unit	Yearly	Reflected through Course Reports
3.	Obtain Regular Feedback for Curriculum Updates <ul style="list-style-type: none"> Develop structured feedback mechanisms, such as surveys and focus groups, to gather input from industry partners regarding the curriculum's relevance and effectiveness. 	Curriculum committee	Yearly	Stakeholders (faculty, students, alumni, advisory board members,

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	<ul style="list-style-type: none"> Regularly integrate feedback into curriculum design and update course materials to reflect industry needs and advancements. 			experts and employers)
4.	Update Course Delivery and Encourage Feedback Incorporate more active learning techniques, such as peer-led discussions, case studies, and problem-solving activities, to make course delivery more dynamic.	Course coordinator	Yearly	TL and course teachers
5.	Enhance Faculty and Students Participation in Research-Related Activities <ul style="list-style-type: none"> Promote faculty-student collaborative research projects by providing incentives such as additional funding, research assistantships, and academic credits for students involved. Establish collaborations with other universities and research organizations to work on joint projects, share resources, and publish co-authored papers. Encourage faculty to partner with international researchers through exchange programs, collaborative research grants, and international conferences to increase global research visibility. Provide mentorship and project guidance to help new faculty establish research initiatives. 	Research Unit	December 2025	Meetings Rooms Celebration Hall
6.	Recognize and Reward Staff and Students <ul style="list-style-type: none"> Establish awards for staff and students who demonstrate excellence in teaching, learning, or extracurricular activities. Implement incentives such as certificates, scholarships, or other recognition for outstanding performance by students. 	Department + professional development committee	Yearly	Meetings Rooms Celebration Hall

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	<ul style="list-style-type: none"> Publicly acknowledge high-performing faculty members at annual events, feature their achievements on the university website, and highlight their contributions in newsletters to enhance motivation and encourage greater involvement in research and academic activities. 			
7.	Improve Extracurricular Facilities and Resources <ul style="list-style-type: none"> Conduct a review of extracurricular facilities and identify areas that need improvement (e.g., sports equipment, recreation spaces). Engage students in discussions about which extracurricular activities need additional resources or upgrades. Allocate funds for facility and equipment improvements in line with student needs and priorities. 	Students activity committee, community services + professional development	September 2025	
8.	Promote Faculty and Students Involvement in Community Service <ul style="list-style-type: none"> Encourage faculty to engage in community service activities outside the campus, leveraging their expertise for the benefit of local organizations and initiatives. Actively promote and encourage female faculty participation in social and community-based activities through targeted outreach and communication. To actively engage students in community service activities by providing opportunities, resources, and recognition, thereby fostering a culture of social responsibility and community involvement. Provide resources and support for faculty to initiate and lead community service projects that align with their areas of expertise. 	Cooperative training and community services committee	Continuous Practice	Budget for arranging community activities

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9.	Develop MOUs for Cooperative Training and Placement <ul style="list-style-type: none"> Establish cooperative training and placement partnerships by identifying organizations aligned with academic programs, drafting clear and concise MOUs outlining terms of cooperation Implementing a review process to evaluate their effectiveness annually based on feedback from students and industry partners. 	Cooperative training + Dean	November 2025	Organizations and agencies norm and details.
10.	Completion Rate <ul style="list-style-type: none"> Completion rate is low, need to take immediate action to improve the annual completion, passing percentage and retention rate, especially for male campus students. Students need extra assistance at the lower level particularly for the mathematics, physics, english and computer science programming courses as most of the results are affected due to these courses. 	HoD + Academic advisory committee	End of academic year	Class rooms
11.	Efficacy enhancement of academic advisory committee: <ul style="list-style-type: none"> Finding the reasons (academic / health / psychological) for low GPAs of underachieving students Students are lacking in language and mathematical skills so it is affecting the results, especially in the courses that are more oriented toward mathematical skills. General courses offered by other departments (English, Physics and Mathematics) needs review and modification in the course contents and teaching strategies if required. <p>The student advisory committee should be active and involved with the student's right from the beginning of the semester.</p>	Academic advisory Unit	Throughout the semester	Respective course teachers

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12.	Extra budget: Financial budget plan to develop extra budget through marketing its experiences and developing collaboration agreements and services with the private / industrial sector or the community.	Alumni and Employment committee, Cooperative training committee.	October 2025	Alumni, private organization details need IT services and permission.
13.	Strengthen the involvement of Alumni and Employer <ul style="list-style-type: none"> Organize an annual job fair that invites alumni and local employers to connect with students, showcasing job opportunities and internships. Work closely with employers to identify their needs and promote the event effectively to attract diverse participation. Develop the alumni association to facilitate networking opportunities, mentorship, and support for current students. Organize events showcasing alumni success stories, inviting them to share their experiences and insights with students. Offer joint professional development activities that involve both alumni and current students, fostering collaboration and mentorship. Establish a framework for regularly collecting feedback from alumni and employers regarding the study plan, available resources, and graduate attributes. 	Alumni and Employment Committee	August 2025	Alumni Database College Celebration Hall Budget for events

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