



Annual Program Report

Program Name:	Bs.c Biology
Qualification Level:	Level 7
Department:	Biology
College:	AL-Darb University College
Institution:	Jazan University
Academic Year:	2020- 2021
Main Location:	Jazan
Branches offering the Program:	<ul style="list-style-type: none"> • Boys Main Campus Jazan • Girls Main Campus Jazan

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A. Implementation of Previous Action Plan

Considering the recommendations of the previous year annual report, list the planned actions and their status.

Planned Actions	Responsibility of Action	Planned Completion Date	Level of Completion		If Not Completed	
			Completed	Not Completed	Reasons	Proposed Actions
Database for collection and placement of evidences.	QA Department of College	√	√			
Collection of improvement plan for all committees.	Head of the Dept & QA Coordinator of Dept	√	√			
Strengthening research participation	Research Coordinator	√	√			
Active community involvement	Community Coordinator	√	√			
Alumini Meet	Alumni Committee Coordinator	√	√			
Improving of completion rate for the complete year.	Academic counselors	√	√			
Improvement of Employment rate	University Placement cell	√				
Research publications need to be increased in number	Faculty members	√	√			
First-year students retention rate	Faculty members	√	√			

standards	standards coordinators	v	v			
Collection of Improvement plan for surveys.	statistics committee & QC	v	v			
committees	Department committee	v	v			
KPIs	QA Coordinator and standard coordinators.	v	v			
Collection of improvement plan for all committees.	Head of the Dept & QA Coordinator of Dept	v	v			
Preparing operational plan of the program.	Head of the Dept & Faculty responsible for Standard 1	v	v			
Identifying the target values of KPIs in strategic plan.	QA Coordinator of Dept & Standard Holders	v	v			

Preparing Action plan for Program	Head of the Dept & QA coordinator of Dept	v	v			
Quality Assurance portfolio	QA coordinator of Dept	v	v			
Program Portfolio	Head of the Department	v	v			
SLO Assessment plan	Student standard Coordinator	v				
SLO Assessment Report	Student standard Coordinator	v				
SLO Assessment Portfolio	Student standard Coordinator	v				
Student Portfolio	Student standard Coordinator	v	v			
Teaching Portfolio	Teaching standard Coordinator	v	v			

B. Program Statistics

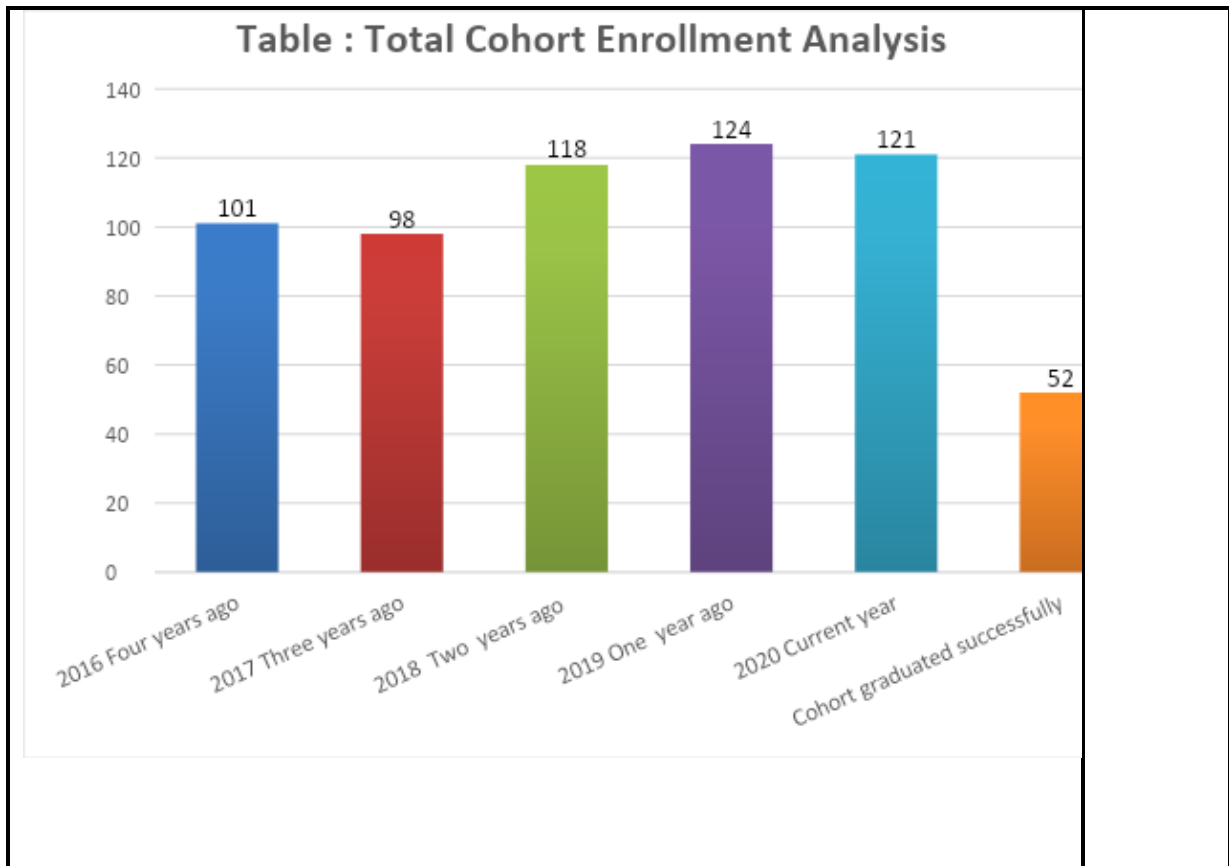
1. Students Statistics (in the year concerned)

No.	Item	Results
1	Number of students who started the program	29 + 38
2	Number of students who graduated	39+34=73
3	Number of students who completed major tracks within the program (if applicable)	NA
	a.	
	B	
4	a. Number of students who completed the program in the minimal time	20201 =13 20202=44 Total=57
5	a. Percentage of students who completed the program in the minimal time (Completion rate)	20211=13/ 39 =33.4 % 20212=44/ 60 = 73.3%
6	Number of students who completed an intermediate award specified as an early exit point (if any)	NA
7	Percentage of students who completed an intermediate award specified as an early exit point (if any)	NA
Comment on any special or unusual factors that might have affected the completion rates: The students come from a weaker academic background which affects their results.		

2 . Cohort Analysis of Current Graduate Batch

Total Cohort Analysis

Student Categories	Four Years Ago 2016 (1,2)	Three Years Ago 2017 (1,2)	Two Years Ago 2018 (1,2)	One Years Ago 2019 (1,2)	2020 (1,2)	Current Year
Total cohort enrollment	20161 =65 20162=36 Total= 101	20171= 59 20172=39 Total = 98	118	124	121	99
Retained till year end	77	91	106	115	110	23+43=66
Withdrawn	24	7	12	9	11	5
Cohort graduated successfully	49	42	52	47	52	58



Comments on the results:

Out of total cohort enrollment of 101 students who registered in 2016 , 52 students have successfully completed the program in 2020 with completion rate of 51.5 %. The average graduation rate for the year 2020 has shown a decrease as compared to the 2019, may be for these following reasons:

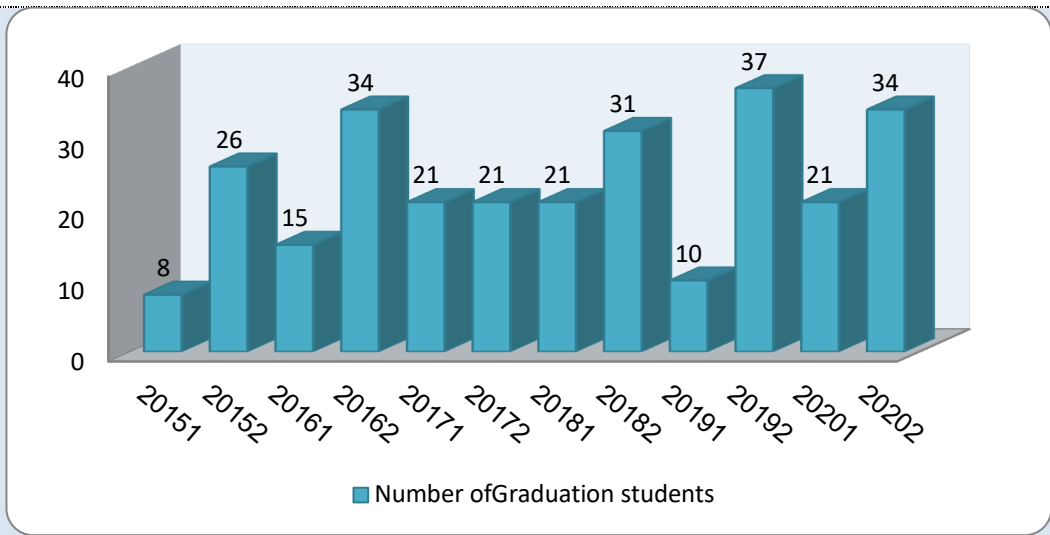
- Most of the eighth level courses do not have previous requirements which make it difficult to register with the following courses.
- Most of preparatory students have low skills in English and math.
- Female students have many personal duties in their families.
- Some students do not complete the hours of school load in the schedule, which leads to late graduation.
- Some students live in far cities like Qahma.
- covid19 endemic affect the average graduation rate because of the online classes.

3. Analysis of Program Statistics

(including strengths, areas for improvement, and priorities for improvement)

Strengths :

1. **The total enrollment and retained till year end values are almost improved.**
2. **Graduation rate is satisfactory.**



Areas for Improvement:

1. number of students registrated to the biology program
2. number of students completing the program at the time.
3. student performance and culture in E-Learning (Blackboard).

Priorities for Improvement:

1. Increase Number of students who complete the first year in minimum time is unsatisfactory.
2. The program specification must be revised to incorporate exit points.
3. Students need to be counseled individually to track their study plan.
4. Increase the number of students registrated to the biology program
5. increase the number of students completing the program at the time
6. .improve student performance and culture in E-Learning (Blackboard).

C. Program Learning Outcomes Assessment

1. Program Learning Outcomes Assessment Results.

#	Program Learning Outcomes	Assessment Methods (Direct and Indirect)	Perform ance Target	Results %
Knowledge				
K1			5	20211 20212

	Display a broad understanding and critical view of the principal, theories, concepts, mechanisms, functions, and terminology of Biology, In addition to the basic principles of chemistry, physics, and mathematics that form the foundation on which all of biology rests.	-Direct and indirect teaching(online blackboard) -Midterm and Quizzes, Final examination (With MCQ & essay, Short answer. -Short written Assignment Tasks (Individual or Group). -Virtual Class Participation.		Direct:97 % Indirect: 4.11	Direct: :61.9% Indirect: 4.2
K2	Demonstrate significant knowledge in a range of different perspectives or schools of thought that underpin the principal, concepts, theories, practices, mechanisms, functions, and literature of Biology.	-Browsing and using online course content on blackboard -Theory discussion forum on blackboard -Other online Achievement Quizzes, Mid and Final Exam		20211 Direct:78 % Indirect: 4.11	20212 Direct:96.6% Indirect:4.2
K3	Appraise the current academic relevance of biological techniques, theories, mechanisms, functions, and methodologies to the new trends in Biology.	Quizzes, Mid and Final Exam		20211 Direct:79 % Indirect: 4.25	20212 Direct:81% Indirect:4.7
S1	Explain aspects, theories,	-Direct and indirect	5	20211	20212

	mechanisms, functions, and processes relevant to Biology courses,	teaching(online blackboard) -Midterm and Quizzes, Final examination		Direct:75 % Indirect: 4.1	Direct:90% Indirect:4.24
S2	Compare different structures, mechanisms, functions, and features related to Biology courses,	(With MCQ & essay, Short answer. -Short written Assignment		20211	20212
		Tasks (Individual or Group). -Virtual Class Participation.		Direct:76.59 % Indirect: 3.75	Direct:98% Indirect:3.81
S3	Perform experimental biological design and methodology in lab/field, interpret biological data and analyze these data statistically.	Tasks (Individual or Group). -Virtual Class Participation. -Browsing and using online course content on blackboard		20211	20212
		-Theory discussion forum on blackboard		Direct:71.2 % Indirect: 4.2	Direct:90% Indirect:3.8
S4	Analysis of complex information related to microbiology, botany and zoology.	-Other online Achievement	5	20211	20212
				Direct:80.89 % Indirect: 3.75	Direct:98% Indirect:3.81
V1	Participate in class discussion either in Arabic or English with colleagues and with teachers, to display confidence and potential for leadership and entrepreneurship.	-Direct and indirect teaching(online blackboard) -Short written Assignment Tasks (Individual or Group).	5	20211	20212
				Direct:87.75 % Indirect: 3.92	Direct:100% Indirect:3.97
V2	Conduct independent research in biological laboratories, either individually or in	-Virtual Class Participation. -Browsing and using online		20211	20212
				Direct:62 % Indirect: 4.18	Direct:96.1% Indirect:3.69

	groups using IT resources considering risk assessment and lab safety,	course content on blackboard -Theory discussion forum on blackboard			
V3	Apply knowledge, skills, and Islamic values learned from course work and life experiences to new situations to communicate effectively in oral and written exams.	-Other online Achievement		20211	20212
				Direct: 75.57 % Indirect: 3.75	Direct:96.1% Indirect:3.81

Comments on the Program Learning Outcome Assessment results.

* Include the results of measured learning outcomes during the year of the report according to the program plan for measuring learning outcomes

** Attach a separate report on the program learning outcomes assessment results for male and female sections and for each branch (if any)

2. Analysis of Program Learning Outcomes Assessment

(including strengths, Areas for Improvement, and priorities for improvement)

Strengths :

1. Majority of the subjects have performed satisfactory.

Areas for Improvement:

- exam results , program learning outcomes, the results of student's course survey and the response of the course professor to students' comments.

Priorities for Improvement:

More teaching strategies must be employed to improve the achievement high values of CLO .
-Need more precise training for writing course report according to new template of PLO excel sheet obtained from main department.

D. Summary of Course Reports

1. Teaching of Planned Courses / Units

List the courses / units that were planned and not taught during the academic year, indicating the reasons and compensating actions.

Course	Units/Topics	Reasons	Compensating Actions
None			

2. Courses with Variations

List courses with marked variations in results that are stated in the course reports, including: (completion rate, grade distribution, student results, etc.), and giving reasons for these variations and actions taken for improvement.

Course Name & Code	variation	Reasons for variation	Actions taken
None			

3. Result Analysis of Course Reports

(including strengths, Areas for Improvement:, and priorities for improvement)

Strengths : Majority of the students get more than 70% marks in higher levels . The students performed well in their electronic exams, homework, achievements in second semester after suspension of direct teaching due to CoVID19 compared to the previous semesters. Covid19 pandemic allowed students to save more times since they were attending online classes, which gave this more time for doing and sharing their assignments and preparing for quizzes and exams. In conclusion, second semester results are better than first semester.
Areas Results of preparatory students The effect of covid 19 pandemic E-learning skills
Priorities for Improvement: Preparatory year students must be given orientation to help them perform better. Online classes by Applying Blackboard, it is recommended that using different types of direct assessments will increase the grades of students. - allow students to use IT regularly in their assignment and quizzes will definitely develop their IT skills

E. Program Activities

1. Student Counseling and Support

[التقرير الفصلي للإرشاد ٢٠٢١ الكلية الجامعية بالدراب.doc](#)

Activities Implemented	Date	Beneficiaries	Brief Description *
The counseling coordinators in the programs hand over	First week	All students	1- updating the link according to the previous schedule, prepared after the first meeting

the list of new students and assign them to distribute the students to the teaching staff in the program		50	2- Distributing the updated link lists to the academic advisory coordinators in the departments. 3- Sending electronic copies of all forms used in academic advising 4- workshop on tasks of student counselors.
Supervising the progress of the counseling process in the college and organizing periodic meetings with the counseling coordinators to follow up the progress of the counseling process in the programs Unit	First week Second week Third week Third week Week number 2.6.13 Second week	185	1- Holding a first meeting with the Academic Advising Coordinators 2- A week for adding and dropping, students are directed to the add and drop period 3- Holding a second meeting with the Academic Advising Coordinators, during which the implementation plan that will be applied during the current academic semester is explained. 4- Providing the coordinators with a list of stumbling students and urging them to provide all possible assistance to overcome the stumbling block. 5- Receiving periodic reports on group and individual sessions and the directions provided to students in the counseling coordinators in the departments
Holding periodic meetings with female students and seminars to inform them of their study plans and university regulations	Second week third week 6th week 8th week 10th week During the semester	100 13 35 23	1 - Implementing the academic guides for the activities of the counseling week) and following it up remotely competent authorities. 2- Implementation of a workshop entitled: Compatibility with university life. 3- Organizing extension activities and events that help students prepare for mid-term exams: Ways to lead you to effective academic achievement 4- Informative activities and activities: use of time 5- Guidance activities and activities (eyes wither while staying up late) 6- Holding group or individual sessions with students to find out about the student's problems while trying to help or raising cases that require intervention from the competent authorities
Supporting students with special needs as well as outstanding students by providing programs and counseling directed to them	During the semester	17	- Apply all instructions received from the main unit providing a corner at the college level with the names of the outstanding students for each department Honoring the outstanding students at the college level for all departments A workshop for college students (I am superior) A course on multiple intelligences

A survey of female students' opinions on the effectiveness of counseling and raising the problems of female students in a timely manner for the Vice-Dean for Academic Affairs for follow-up	During the semester		An entertainment trip for college students Marching for the outstanding and honoring them 1- Through questionnaires distributed to the students. 2- Through requests submitted directly from the student
ways to lead you to an effective academic achievement	All female students 25/2/1442	27	

* including action time, number of participants, results and any other statistics.

** including performance evaluation on these activities

1. Professional Development Activities for Faculty and Other Staff

Comment on Professional Development Activities for Faculty and Other Staff **

There were some workshops on the quality as well as the Classroom and extra-curricular activities work.

[Workshop Reports-20.zip](#)

* including action time, number of participants, results and any other statistics.

** including performance evaluation on these activities

Statement of events presented by members of the Department of Biology for the academic year 2020-2021				
no	the workshop	Introduction to the event	The date	The provider of the event
1	Multiple intelligences	Khlood Wazbi	Monday 19\10\2020	Innovation and Entrepreneurship Committee
2	How to write a good research paper	Dr. Ruqaya Jabin	Thursday 22\10\2020	Scientific Research Unit at the University College of Al-Darb
3	Guided week activities supervised and organized	Dr. Entizar Mostafa Abbas	Wednesday 20\01\2021	Student Guidance Unit
4	Guided week activities supervised and organized	Dr. Entizar Mostafa Abbas	Thursday 21\01\2021	Student Guidance Unit

5	Student Guidance Unit Tasks	Dr. Entezar Mostafa Abbas	Wednesday 10\02\2021	Student Guidance Unit
6	Use of side applications and auxiliary software	Samira Ahmed	Tuesday 9\02\2021	E-Learning Unit
7	Ways to get an effective study	Dr. Abeer Abdul Aziz	Wednesday 24\02\2021	Student Guidance Unit
8	Medicinal and aromatic plants	Dr. Abeer Abdul Aziz & Samira Ahmed	Wednesday 17\02\2021	Department of Biology
9	Developing verbal communication skills and effective communication among students	Dr. Olfat Salem	Sunday 21\02\2021	Department of Biology
10	E-learning educational design	Samira Ahmed	Sunday 21\02\2021	E-Learning Unit
11	Rules of scientific research and writing of research paper	Dr. Olfat Salem & Dr. Mona Ashoor	Tuesday 23\02\2021	Scientific Research Committee of the Department of Biology
12	E-learning educational design models	Samira Ahmed	Tuesday 20\10\2020	E-Learning Unit
13	Laboratory safety	Dr. Nadia Hussein	Thursday 2\03\2021	Training Unit University College of The Trail
14	Instructions for using the library during the Covid 19 pandemic	Dr. Olfat Salem	Wednesday 3\03\2021	Teaching and learning unit at the University College of Al-Darb
15	Makers of hope	Khlood Wazbi	Monday 21\03\2021	Academic Guidance Committee of the Excellence Affairs Unit
16	Multiple intelligences	Khlood Wazbi	Thursday 25\03\2021	Innovation and Entrepreneurship Committee
17	A contest in the Holy Quran and hadith	Dr. Abeer Abdul Aziz	Wednesday 24\02\2021	Student activity unit
18	How do you celebrate success in interviews?	Dr. Amal Abdel Baky	Saturday 27\03\2021	Graduate unit in the department
19	Training in medical analysis	Dr. Mona Ashoor	Thursday 30\03\2021	College Graduate Unit and Graduate

				unit in the department
20	How to fight epidemic diseases	Dr. Mona Ashoor	Wednesday 31\02\2021	College Graduate Unit and Graduate unit in the department
21	Your health matters to us.	Khlood Wazbi	Sunday 28\03\2021	Community Service Committee
22	Your health matters to us (don't neglect vaccinations)	Khlood Wazbi	Monday 29\03\2021	Community Service Committee
23	Tour in the university college in the path for high school students in Abu Al-Sadad complex through zoom program	Dr. Mona Ashoor	Tuesday 2\03\2021	Community Service Committee
24	Promoting the culture of questionnaires among college staff	Dr. Zeinab Jalal Khlood Wazbi	Thursday 1\04\2021	Department Questionnaires Committee
25	Time Management	Samira Ahmed	Monday 5\04\2021	

2. Research and Innovation (also mention the workshops done under research and innovation committee)

	Name of workshop	responsible	date	Committee
1	How to write a good research paper	Dr. Rokaya Jabeen	٢٠٢٠/١٠/٢٢	research and innovation committee
2	Basics of scientific research and writing scientific paper	Dr. Olfat Salem	٢٠٢١/٢/٢٣	research and innovation committee

Activities Implemented	Brief Description *
Publications	
1-Bioactive constituents of three algal species extracts. and their anticancer activity against human cancer cell lines	DR.Olfat salem published in Egyptian J. of Phycol.
2-Integrated biodiesel and biogas production from Chlorella sorokiniana: Towards a sustainable closed loop through residual waste biodegradation.	DR.Olfat salem published in Biotechnology: An Indian Journal
3-Role of Crocus sativus L. in the Modern Green Anticancer Approach.	Dr Ruqaya Jabeen published in Saffron-the age old panaceae in New light.

Workshops	
Comment on Research and Innovation **	
Researchs evidences.zip	

* including action time, number of participants, results and any other statistics.

** including performance evaluation on these activities

4. Community Partnership

Activities Implemented	Brief Description *
Program name ; How do you choose Your university specialization the implementing category . School / High School Abu Al-Saad Date / 1442/2/20 AH	A workshop for students was conducted in 20\2\1442 by Dr. Mona saad and Kholood wethi. through the Zoom program and the following axes were discussed: Introducing the most important The majors in the faculty: the admission mechanism and the regulations in which the method of choosing the appropriate major.
Comment on Community Partnership **	
These awareness and training workshops aim to create a spirit of participation among members of the community, as well as documenting the role of the college in serving the community.	

* including action time, number of participants, results and any other statistics.

** including performance evaluation on these activities

5. Analysis of Program Activities

(including strengths, Areas for Improvement:, and priorities for improvement)

Strengths :
The activities in the department ranged from various topics related to science, art, research as well as quality assurance.
Areas for Improvement:
Community partnerships
Priorities for Improvement:
More partnerships with local schools, hospitals and other workplaces to mutually benefit. More Community partnerships need to be taken to accomplish the vision of Jazan University and the department of biology

F. Program Evaluation

1. Evaluation of Courses

Course Code	Course Title	Student Evaluation (Yes-No)	Average out of 5 Term1 (20211)	Average out of 5 Term2 (20212)
101 BIO	General Biology	Yes	4.4	4.43
101 CHEM	General Chemistry	Yes	4.2	4.1
101 STAT	Biostatistics	Yes	3.83	4.1
231MIC	Bacteriology	yes	3.83	
211BIO	Cell biology	yes	4.1	4
251ZOO	Invertebrates	yes	4.1	3.51
203CHEM	Organic chemistry	yes	4.3	4.1
241BOT	Plant Morphology and Anatomy	yes	4.22	3.86
232MIC	Virology	yes	3.9	4.1
222ZOO	Gen Genetics	yes	4.14	4.12
252ZOO	Histology	yes	4	4.17
254ZOO	Chordates	yes	3.48	4.08
204CHEM	Biochemistry	yes	4.1	4.17
242BOT	Archegoniates	yes	3.73	4.2
331MIC	Algae	yes	4.15	4.02
333MIC	Fungi and Plant pathology	yes	3.8	3.79
301BIO	Basics of plant ecology	yes	3.9	3.8
311BIO	Microscopic specimens	yes	3.8	3.9
351ZOO	Animal Physiology	yes	3.6	4.1
353ZOO	Marine Biology	yes	4.23	3.66
341BOT	Plant water and Soil	yes	3.8	4.08
334MIC	Microbial Physiology	yes	3	3.68
352ZOO	Parasitology	yes	3.48	3.6
354ZOO	Immunology	Yes	3.8	4.2
356 zoo	General Entomology	Yes	3.37	3.87
342BOT	Taxonomy of flowering plants	Yes	3.1	3.9
344BOT	Plant Hormones	Yes	3.6	3.6
431MIC	Industrial Microbiology	Yes	3.96	4.07

433MIC	Medical microbiology	Yes	3.75	3.78
411 BIO	Molecular Biology	yes	4.1	4.2
451ZOO	Endocrinology	yes	x	3.9
441BOT	Plant Physiology	yes	4.17	3.94
443BOT	Ecology	yes	3.7	3.58
432MIC	Biodiversity in the Kingdom	yes	3.1	3.86
402BIO	Biotechnology	yes	3.7	4.1
412BIO	Embryology	yes	3.84	4.2
452ZOO	Animal behavior	yes	4.2	4.06
456ZOO	Medical entomology	yes	3.9	3.8
442BOT	Economical botany	yes	3.64	3.8
	Average		3.9	3.9
	MIN		3.0	3.0
	Max		4.4	4.4

Results of feedback (NCAA form) from students are used to envisage students assessment of course contents, Faculty performance, and other services offered within Program and College.

2. Students Evaluation of Program Quality

Evaluation Date : 15-04-2021	Number of Participants:30
Students Feedback	Program Response
<p>1. The students show highest number of ranking for their awareness of Jazan university's as well as the biology department vision, mission and objectives.</p> <p>2. The highest number of surveying students think that whatever they have learned in this program will be valuable for their future.</p> <p>3. The students are of the opinion that the Study materials in courses were up to date and useful.</p> <p>4. The students are of the opinion that the instructors cared about the progress of their students and were available for consultation and advice when they needed to speak with them.</p>	
<p>Areas for Improvement:</p> <ul style="list-style-type: none"> -Number of student per section - communication skills: -extracurricular activities 	
Suggestions for improvement:	

1. More sections of students need to be made per course to make the students comfortable in the classrooms.
2. The faculty members must concentrate on holistic learning in their lectures to boost students' ability to investigate and learn.
- 3 Gaming tournaments must be organized to involve students in sports and adequate sports facilities must be provided for the students.

* Attach report on the students evaluation of program quality

3. Other Evaluations

(e.g. Evaluations by independent reviewer, program advisory committee, and stakeholders (e.g., faculty members, alumni, and employers))

Evaluation method :Alumni survey		Date: April 2020	Number of Participants : Three
Summary of Evaluator Review		Program Response	
1. Students were briefed about the program mission which is consistent with institution mission. 2. information about the program and its courses were provided for the students 3. Staff members allowed the students to discuss their exam performance. 4. In general, what is your overall evaluation for the program 5. Evaluation of the student by the staff members is fairly done 6. The program emphasized the importance of continuous long-life learning			
Area -academic counseling -english language			
Suggestions for improvement -Academic counselling committee shall arrange individual session for the weak students - Training committee shall organize workshops to improve the language skills of students			

* Attach independent reviewer's report and stakeholders' survey reports (if any)

4. Key Performance Indicators (KPIs)

List the results of the program key performance indicators (including the key performance indicators required by the National Center for Academic Accreditation and evaluation)

No	KPI	Target Benchmark	Actual Value	Internal Benchmark BS.c Math AL-Darb	Analysis	New Target Benchmark
KPI-P-01	Percentage of achieved indicators of the program operational plan objectives	97%	100 %	80%	SEE ATTACHED KPI FILE	97%
KPI-P-02	Students' Evaluation of quality of learning experience in the program	80%	66%	65.4%		70%
KPI-P-03	Students' evaluation of the quality of the courses	80%	80%	75%		85%
KPI-P-04	Completion rate	50%	53%	71 %		55 %
KPI-P-05	First-year students retention rate	90 %	90 %	64.5%		95%
KPI-P-06	Students' performance in the professional and/or national examinations	NA	NA	NA		
KPI-P-07	Graduates' employability and enrolment in postgraduate programs	10%	27%	NA	SEE ATTACHED KPI FILE	15%
KPI-P-08	Average number of students in the class	35%	43%	30		45%
KPI-P-09	Employers' evaluation of the	80%	66.6	NA		85%

	program graduates proficiency					
KPI-P-10	Students' satisfaction with the offered services	60%	61%	72.5%		80%
KPI-P-11	Ratio of students to teaching staff	1:30	1:15	1:25		1:20
KPI-P-12	Percentage of teaching staff distribution	10% professors 10% Associate Professors	46.77%	60		10% professors 10% Associate Professors
KPI-P-13	Proportion of teaching staff leaving the program	0	0	0%		0
KPI-P-14	Percentage of publications of faculty members	50%	25%	20%		40%
KPI-P-15	Rate of published research per faculty member	1 p/y	0.25 p/y	0.1 p/y		1 p/y
KPI-P-16	Citations rate in refereed journals per faculty member	7	2	1		8
KPI-P-17	Satisfaction of beneficiaries with the learning resources	80%	46%	75%		80%

Comments on the Program KPIs and Benchmarks results :

The employability rate of students and research rate need to be improved.

Strategic Plan KPIs Table

		True value	٢٠٢١
1	Occupancy rate in laboratories نسبة الإشغال فى المعامل	40%	55%

2	Percentage of faculty and staff members' satisfaction with support services نسبة رضا أعضاء هيئة التدريس والموظفين عن الخدمات المساندة	٪٨٤	84%
3	Students' evaluation of the quality of learning in the program تقييم الطلاب لجودة التعلم في البرنامج	80%	80%
4	The faculty dropout rate from the university نسبة تسرب الهيئة التدريسية من الجامعة	٪١٦,٧	13%
5	Average number of hours of professional training completed by faculty members معدل الاقتباسات في الابحاث العلمية لكل عضو هيئة تدريس	0.4	0.5
6	The rate of completion of the first year student معدل استيفاء طالب السنة الاولى	٪٥٧	٪٦٢
7	The percentage of graduation of a bachelor's student in the specified period نسبة تخرج طالب البكالوريوس في المدة المحددة	٪٣٣,٣	٪٤٢
8	Percentage of faculty members holding a doctoral degree نسبة أعضاء هيئة التدريس حاملي درجة الدكتوراة	٪٦١,٥	٪٦١,٥
9	Rate of research published per faculty member معدل البحوث المنشورة لكل عضو هيئة تدريس	0.42	0.42
10	The percentage of scientific publication of faculty members النسبة المئوية للنشر العلمي لاعضاء هيئة التدريس	23.1%	23.1
11	The percentage of Saudi faculty members from all faculty members نسبة السعوديين من أعضاء هيئة التدريس	١٢/٢ ٪١٦,٧	20%
12	The ratio of the student to the number of faculty members نسبة الطالب الى هيئة التدريس	1:35.4	1:38.3
١3	Number of searches classified in Scopus عدد الابحاث المصنفة في سكوبس	١	١
١4	Number of research published in ISI journals عدد الابحاث المنشورة في ISI	1	2
15	رضا الطالبات عن مصادر التعلم	٪٤٧,٥	55%

5. Analysis of Program Evaluation

(including strengths, Areas for Improvement:, and priorities for improvement)

[survey\Report of Programme Survey .docx](#)

Analysis of Program Evaluation

Strengths:

1. The students show highest number of ranking for their awareness of Jazan university's as well as the biology department vision, mission and objectives.

2. The highest number of surveying students think that whatever they have learned in this program will be valuable for their future.
3. The students are of the opinion that the Study materials in courses were up to date and useful.
4. The students are of the opinion that the instructors cared about the progress of their students and were available for consultation and advice when they needed to speak with them.

Area for improvement

Curricular and extracurricular facilities:

1.classroom facilities

2. extracurricular facilities.

Program contents

The students feel that the program hasn't developed their ability to investigate and solve new problems

Priorities for improvement

1. More sections of students need to be made per course to make the students comfortable in the classrooms.
- 2.. The faculty members must concentrate on holistic learning in their lectures to boost students' ability to investigate and learn.
- 3 Gaming tournaments must be organized to involve students in sports and adequate sports facilities must be provided for the students.

G. Difficulties and Challenges Faced Program Management

Difficulties and Challenges	Implications on the Program	Actions Taken
Lack of internet and Printer in Labs and classes	Teaching faculty has suffered heavy loss of working hours in search of internet connection and printer roaming around the	Lack of internet in Labs and classes

	various departments of the college.	
Interruption of traditional classroom and laboratory teaching due to COVID19	Switched to blackboard app for e-learning	Switched to blackboard app for e-learning
New books should be provided in the beginning of each semester	It decreases students graduation	Awaiting action
Lack of Lab Technician	Lack of Lab Technician	Ask University for Lab Technician
Folders and stationary should be provided in the beginning of each semester	It affects the proper documentation of data for quality purposes	Awaiting action

*Internal and external difficulties and challenges

H. Program Improvement Plan

<https://docs.google.com/document/d/1u9kMI6q1pL00fY0Vj4QH5PyYQxUHU4OFV-EPBNTg90hM/edit?usp=sharing>

No.	Priorities for Improvement	Actions	Action Responsibility	Start date	End date	Achievement Indicators	New Target Benchmark
1	Spreading awareness of the questionnaire culture as one of the important tools in evaluating, monitoring and improving the educational process.	Workshops	Questionnaire committee	August 2021	May 2022	workshop report	Once in a year
2	Increase the awareness of the operation plan initiatives between the staff members of the program.	Workshops+Meeting	Standard 1 coordinator	August 2021	May 2022	Workshop report and meeting minutes	Once in a year

3	The rate of interaction and response of students is significantly reduced.	make guidance hour shared between the student and the mentor and link it systematically with the guide's schedule and the student,	Academic guidance Committee coordinator + Table committee coordinator	August 2021	February 2022	Attendance sheet	Once in a year
4	Providing support means for new faculty members	workshop	Training Staff and development Committee members	August 2021	March 2022	workshop report	Once in a year
5	Organizing advanced courses for teaching methods	workshop	Training Staff and development Committee members	August 2021	March 2022	workshop report	Once in a year
6	Community based research	Research on local flora and fauna	All members	Aug 2021	March 2023	publication	In two years
7	Obtaining certificates for students participating in the Activities	Making request for certificates of attendance for workshops	Head of Department	December 2021	May 2022	Official letter for the Certificates	Once in a year
8	Some students are unaware of the reasons why some courses are not added to their schedules	Workshops to improve the knowledge of student about the rules governing the deletion and addition of courses are clarified and how appropriate courses are selected for the student's burden and academic status.	Academic guidance committee head	August 2021	May 2022	workshop report	Once in a year

9	Introductory meeting with new teaching staff including Saudi staff contractors in the lecture	meetings	Teaching and Learning committee	August 2021	May 2022	Meeting minutes	Once in a year
10	Improving teaching strategies,	Workshops for improving teaching strategies	Teaching and Learning committee head	August 2021	May 2022	workshop reports	Once in a year
11	Training for analysis and microbiology testing	Workshop and and practical training	Student Training Committee	August 2021	May 2022	workshop report and attendance sheet for practical part	Once in a year
12	Organizing periodic meetings to plan and review the training program policies and guidelines	meetings	Student Training Committee	August 2021	May 2022	Meeting minutes	Once in a year
13	Database of students who have successfully completed their training	Keeping documents confirming the training of students	Student Training Committee head	December 2021	May 2022	Report from student affairs committee	Every year
14	Development of e- learning training workshops for new students	2 workshops	E-learning committee head	August 2021	May 2022	workshop report	Twice a year

15	Training of new faculty members on the blackboard system	Workshops for new members	E-learning committee head	August 2021	May 2022	workshop report	Twice a year
16	1- Students well prepared for my courses in terms of pre-requisite subject knowledge. 2- Students understand English well enough to follow my lectures and to write papers.	Make training program for students at level 1 pre- biology workshops and English terminology.	Teaching and learning committee coordinator	August 2021	March 2022	workshop report	Once in a year
20	Students haven't any information or aware of Jazan university's vision, mission and objectives.	Workshops to students	Standard 1 coordinator	August 2021	May 2022	workshop report	Once in a year
21	Library resources were not adequate and unavailable when the students needed them	write names of references for biology students needing and sent to library coordinator	standard 6 coordinator	August 2021	May 2022	List of needed references	Once in a year
22	training programs for students and/or internships are not consistent with the student major	Workshops for student	standard 6 coordinator	August 2021	May 2022	workshop report	Once in a year
23	Increasing the number of teaching members in line with the needs of the program's students	Send letter to the dean by staff requirements	Head of department	August 2021	May 2022	The official letter	Once in a year

24	The graduate attributes and learning outcomes be consistent with the requirements of the Saudi Arabia Qualifications Framework (SAQF) and with academic, professional, and labor market requirements	Workshops for graduated students	Quality coordinator	August 2021	May 2022	workshop report	Once in a year
25	Providing the teaching staff with high quality lab for scientific research	Send a letter for dean to facilitate making scientific research lab	Head of department	August 2021	May 2022	Official letter	Once in a year
26	Interviews with a large number of students to learn about their academic problems	Meeting with students	Academic guidance committee head	August 2021	May 2022	Meeting minutes	Once in a year

I. Report Approving Authority

Council / Committee	DR. OLFAT SALEM HEAD OF THE DEPARTMENT	DR. ENTSAR A. AHMAD QA COORDINATOR
Reference No.		
Date	24-9-1442	

J. Attachments :

- A separate cohort analysis report for male and female sections and for each branch
- A report on the program learning outcomes assessment results for male and female sections and for each branch (if any)
- A report on the students evaluation of program quality
- A Biology Improvement plan.
- Independent reviewer's report and other survey reports (if any)