Analysis of Feedback from Stakeholders and Action Taken
(2018-2019)

Robotics Engineering

The department has formal and informal mechanisms to obtain feedback from stakeholders through various committees, associations and forums.

1.a. *Students Feedback*

- Students mentioned that the theory and lab courses are good and helpful
- They requested for courses on recent technologies like IoT, Data Analytics.

1.b. *Parents Feedback:*

- On the whole, the parents are satisfied with the academic standards of the university.
- Parents insisted that more industrial exposure is needed.

Analysis:

Fig. 1. Analysis of Student feedback - 2019-20

Fig. 2. Analysis of Parent Feedback - 2019-20

The feedback analysis conveys the fact that the stakeholders are satisfies with the academic standards of the department and have given their suggestions for further improvement.

3) Sample feedback form:

Students Feedback

Karunya University
(Karunya Institute of Technology and Sciences)
Declared as Deemed to be University under section 3 of the UGC Act, 1956
Karunya Nagar, Coimbatore - 641114, Tamil Nadu, India

INTERNAL QUALITY ASSURANCE CELL (IQAC)

**Feedback from Students on the Curriculum
and Syllabi of the B.Tech./M.Tech. Programme**

Feedback from Mr. /Ms. KARTHIKEYAN R

Programme : B.Tech. / M.Tech. (B.Tech)

Department : ROBOTICS ENGINEERING

School : ENGINEERING AND TECHNOLOGY

Feedback on Curriculum (Number of Theory Subjects, Laboratory subjects, Core Subjects and Electives. Subjects having industrial applications for improving employability)

1. The subjects was good
2. ....
3. ....

Suggestions to improve the Curriculum

1. Please add the subject related to recent technology
2. ....
3. ....

Feedback on Syllabi of subjects studied and suggestions for improvement (any three subjects)

Sl.No.	Name of the Subject	Feed back	Suggestions for improvement
	Engineering Physics	GOOD	
	Programming for Problem Solving	GOOD	
	Engineering Practices	GOOD	

Signature: R.K.

Date: 31/03/2019

Name of the Student: KARTHIKEYAN R

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Feedback from Students on the Curriculum
and Syllabi of the B.Tech./M.Tech. Programme

Feedback from Mr. /Ms............CHRIS RAFEL M.......

Programme : B.Tech/ M.Tech. (......B..Tech....)

Department : ...Robotics Engineering......................................

School : ....Engineering and Technology...................

Feedback on Curriculum (Number of Theory Subjects, Laboratory subjects, Core Subjects and Electives. Subjects having industrial applications for improving employability)
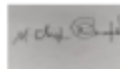
1. ......The subjects were good and sufficient...................
2. ....
3. ....

Suggestions to improve the Curriculum

1. ......Please add Python during the first semester.........................
2. ....
3. ....

Feedback on Syllabi of subjects studied and suggestions for improvement (any three subjects)

Sl.No.	Name of the Subject	Feed back	Suggestions for improvement
1	Engineering Physics	GOOD	
2	Engineering Practices	GOOD	
3	Programming for Problem Solving	GOOD	

Signature

Date: ...31/03/2019

Name of the Student: ...M CHRIS RAFEL......

Parents Feedback

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Feedback from Parents on the Curriculum
and Syllabi of the B.Tech./M.Tech. Programme

Feedback from parents to help the University to improve the Curriculum and Syllabi taught to your son/daughter. Your feedback will be placed in Curriculum Development Cell (CDC) and Board of Studies (BoS) during the next revision of curriculum and syllabi. Kindly feel free to give your feedback.

Sl.No.	Feedback	Very Good	Good	Not bad
1	Give your feedback on the academic standards of the University	✓		
2	How do you find the curriculum and syllabi of the programme		✓	
3	After completing the programme, the academic understanding of your son / daughter		✓	
4	Support given by Curriculum and syllabi for getting placement to your son/daughter	✓		
5	Improvement of communication skills through the academic programme	✓		

Suggestions for improving the Curriculum and Syllabi:

1. Industrial Visits
2. Practical learning
3. Events and workshops

Signature:.......................................

Name:JOSEPH VM

Father/Mother of : DELWIN MATHEW JOSEPH
(name of the student)

Reg.No. of the Student URK18RA004

Programme: B.Tech. / M.Tech. (B.Tech)

Department: ROBOTICS ENGINEERING

Date: 31-03-2019   School: KITS

Action Taken

S. No.	Suggestion given	Action Taken
	Student Feedback	
	Courses related to recent technologies can be included	Following courses on emerging technology were included • Industrial Internet of Things • Data Analytics for Robotics and Automation • Block Chain Technology for Robotic Applications`(A1)
	Python Programming has to be included in I year	It has been included in the I year (A2)
	Parent Feedback	
	Industrial Exposure must be given	Field Visits were arranged for the students to Industries. (A3) Guest Lectures by Industry Experts were organized. (A4)

5) Evidence
A1: Courses on Emerging Technology

List of Additional Elective Courses for B. Tech Robotics and Automation – 2018 & 2019 Batch

S. No.	Code	Course	Credits
1.	19RO2018	Industrial Internet of Things	3:0:0
2.	19RO2019	Python Programming for Robotics	2:0:2
3.	19RO2020	Data Analytics for Robotics and Automation	3:0:0
4.	19RO2021	Augmented Reality/Virtual Reality for Robotics	3:0:0
5.	19RO2022	Block Chain Technology for Robotic Applications	3:0:0

A2: Python Programming in I Year

SEMESTER-WISE CURRICULUM WITH CREDITS
Semester I (First year]

S. No	Course Code	Course Title	L	T	P	Total Credits
1		Technical Communication / Other Languages	2	0	0	2
2	20CS1001/ 20RO1002	Programming for Problem Solving/ Basic Course in Embedded C	3	0	3	4.5
3	20MA1013	Calculus and Differential Equations for Robotic Engineering	2	0	2	3
4	20RO1001	Engineering Practices	0	0	2	1
5	18ME1002	Engineering Graphics (AutoCAD)	0	0	4	1
6	20PH1015	Physics for Robotics Engineers	3	0	0	3
7	20PH1016	Physics Laboratory for Robotics Engineers	0	0	2	1
8		Mandatory Course I	0	0	0	0
		Total Credits				15.5

Semester II (First year]

S. No	Course Code	Course Title	L	T	P	Total Credits
1	20MA1014	Linear Algebra, Transforms and Numerical Methods for Robot Control	2	0	2	3
2	19RO1001	Material Science	3	0	0	3
3	18RO2002	Introduction to Mechanical Systems	3	0	0	3
4	20RO1003	Fundamentals of Python Programming for Robotics	3	0	3	4.5
5	20RO1004	Introduction to Robotics and Automation	3	0	0	3
6	20RO1005	Basic Robotics Laboratory	0	0	2	1
7	20MS2003	Concepts of Entrepreneurship	1	0	0	1
8		Mandatory Course II	0	0	0	0
9		MOOC 1	0	0	0	1

A3: Field Visits

DEPARTMENT OF ROBOTICS ENGINEERING

Report of Field Visit

Date & Time: 22ⁿᵈ January 2020, 9.30 a.m to 3.00 p.m
Venue: Yaskawa Robot Facility at AGIIT, Coimbatore

Organized by
Dr. P .Rajalakshmy
Dr. P. Anantha Christu Raj
Dr. L.D Vijay Anand

No. of Participants: 30

 The students of II B. tech Robotics and Automation had the opportunity to visit the Yaskawa Robot Facility at AGIIT, Coimbatore. The team comprised of 30 students accompanied by two faculty members, Dr. P. Annatha Christu raj and Dr. L. D. Vijay Anand. The students were given hands on training on the GP-12 Yaskawa robot.

A4: Guest Lectures by Industry Experts

S. No.	Title of Lecture	Resource Person
1.	Seminar on Industrial Automation and Robotics	Mr.Asuvathaman, AGIIT
2.	One day national level workshop on Industrial Automation and Robotics	Mr.Sai Vignesh, Mr.Nagraj, AGIIT

3.	Industrial Training on the Basics of LabVIEW NXG	K Rajesakeran, Innovative Invaders Technologies, Coimbatore
4.	Fundamentalsof instrumentation circuits	Mr.Emmanuel Eugenio D'Souza, Germany
5.	Remote controlled robot	Mr.Barlomiek, GDANSK University, Poland
6.	Alumini lecture and interaction	Mr.Emmanuel Eugenio D'Souza, Germany
7.	System modelling and control	Dr.Dharmalingam, NIT,Trichy
8.	Robots in Industry and Collaborative Robots (CoBoTs)	Ms.Karen Immanuel, Robotics Development Engineer, Volvo Groups, Sweden
9.	Embedded system design	Mr.Selvakumar, Software engineer, Bosch.
10	Seminar on Automotive Embedded System	Mr.Selvakumar, Robert Bosch
11	Deploying to Apache and Tomcat Webserver with Eclipse	Mr.Joefred Varghese Gregory, Mr.Jestin Roy, Hyundai Mobis, Coimbatore
12	Cloud based machine learning doe IoT Device	Pantech ProEd Pvt Ltd.,
13	Industrial Automation and Robotics	Mr. Rajasekar, AGIIT