DEPARTMENT OF APPLIED CHEMISTRY

FEEDBACK FROM STAKE HOLDERS AND ACTION TAKEN

(2016-2017)

The department has the formal and informal mechanisms to obtain the feedback from stakeholders through various sources.

1a) Student's feedback

- Detailed syllabi can be provided for each course

1b) Alumni Feedback

- More choice to be provided to select elective courses and inter departmental courses
- The department can include more practical based workshops to enhance the content knowledge of the learners

1c) Parents feedback

- The Institute can further provide more placement opportunities for the students.

1d) Teacher's feedback

- Courses handled should caters to the Regional/ National / Global needs
- Course contents are relevant to the societal need and include recent topics
- Courses involving problem solving / analytical / creative and innovative skills required for the students may be improved

Internal Quality Assurance Cell (IQAC)

Karunya Institute of Technology and Sciences

Coimbatore – 641 114

IQAC – Alumni Feedback

#	Criteria	Very Good	Good	Average	Poor	Very Poor
A) Course Content of Program Attended						
1	The level of knowledge enrichment achieved through the course content	1				
2	Allotment of credits for each course and teaching hours per week		1			
3	The syllabus, design, resource and outcome of each course		1			
4	Choice provided to select elective courses and inter departmental courses			1		
5	The course content enabled acquiring of skills relevant to placement opportunities			1		
B) Industry Relevance of Course Content						
6	Courses give more importance to ethical practices so as to mould the personality traits of learners	1				
7	Courses taught link the knowledge they gain with the real world situations		1			
8	Courses impart more practical knowledge than theory		1			
9	Course design narrows the gap between Industry and academia		1			
C) Teaching and Evaluation						
10	Teaching method followed by teachers	1				
11	Syllabus portions for each course given for self-study and learning in forms of assignments, seminars, etc.		1			
12	Preparation, communication, and helpful attitude of teachers in assisting the learners	1				
13	Weightage given to different components of continuous internal assessment and the way in which they are implemented	1				
14	Fairness of evaluation method followed for continuous internal assessment and semester exam	1				
15	Availability of faculty for interaction and guidance	1				
16	Mechanisms available to redress academic grievances		1			

#	Criteria					
17	Helpful attitude of administrators, staff and non-teaching staff to provide suitable campus culture and atmosphere	1				
D) Facilities						
18	Library facilities		1			
19	Lab / ICT facilities		1			
20	Day Scholar facilities / Hostel facilities			1		
21	The recreational and student counselling facilities		1			
E) Outreach Activities						
22	Methodology followed in extension activities			1		
23	Extracurricular activities available and student participation in them		1			
24	The scope offered for enhancing knowledge and skills through various clubs		1			
F) Overall						
25	Overall rating of the program and its implementation		1			

Signature

FEEDBACK ABOUT THE INSTITUTION

1. Do you feel proud to be associated with your institution as an alumnus?

Yes I always feel proud being Karunya alumni

2. How do you rate developmental activities organized by the Department / Institution for your overall development?

The staffs from our department always focus on giving knowledge and experience on various topics. They always arrange workshops and hands-on training on several topics on chemistry

3. Are you willing to contribute to the development of the Institution / Department? How?
Yes am willing to contribute and it's my pleasure to do that. I can give testimonials on the experience that I got outside after completion of my MSc here. And also am ready to work as a part of institution to share my knowledge to the students.

4. Your vision for the Department
I will work to improve the research as an alumni and research scholar.

5. Any other suggestions/comments:
Am happy and blessed to be a part of institution

Internal Quality Assurance Cell (IQAC)
Karunya Institute of Technology and Sciences
Coimbatore – 641 114

IQAC – Alumni Feedback

#	Criteria	Very Good	Good	Average	Poor	Very Poor
A) Course Content of Program Attended						
1	The level of knowledge enrichment achieved through the course content	√				
2	Allotment of credits for each course and teaching hours per week	√				
3	The syllabus, design, resource and outcome of each course	√				
4	Choice provided to select elective courses and inter departmental courses	√				
5	The course content enabled acquiring of skills relevant to placement opportunities		√			
B) Industry Relevance of Course Content						
6	Courses give more importance to ethical practices so as to mould the personality traits of learners		√			
7	Courses taught link the knowledge they gain with the real world situations	√				
8	Courses impart more practical knowledge than theory	√				
9	Course design narrows the gap between Industry and academia	√				
C) Teaching and Evaluation						
10	Teaching method followed by teachers	√				
11	Syllabus portions for each course given for self-study and learning in forms of assignments, seminars, etc.	√				
12	Preparation, communication, and helpful attitude of teachers in assisting the learners	√				
13	Weightage given to different components of continuous internal assessment and the way in which they are implemented	√				
14	Fairness of evaluation method followed for continuous internal assessment and semester exam	√				
15	Availability of faculty for interaction and guidance	√				
16	Mechanisms available to redress academic grievances	√				
17	Helpful attitude of administrators, staff and non-teaching staff to provide suitable campus culture and atmosphere	√				
D) Facilities						

18	Library facilities	√				
19	Lab / ICT facilities	√				
20	Day Scholar facilities / Hostel facilities	√				
21	The recreational and student counselling facilities		√			
E) Outreach Activities						
22	Methodology followed in extension activities		√			
23	Extracurricular activities available and student participation in them		√			
24	The scope offered for enhancing knowledge and skills through various clubs	√				
F) Overall						
25	Overall rating of the program and its implementation	√				

S. VASUKI

Signature

<u>FEEDBACK ABOUT THE INSTITUTION</u>

1. Do you feel proud to be associated with your institution as an alumnus?

   I am really feeling proud to be a part of this reputed Institution.

2. How do you rate developmental activities organized by the Department / Institution for your overall development?

The developmental programs were well organized by our Department of Science and Humanities (Chemistry) which motivated the students to participate in the activities with much confidence.

3. Are you willing to contribute to the development of the Institution / Department? How?
Ofcourse Yes. I can contribute my part by supporting (by any means) the activities and Programs organised by our department.

4. Your vision for the Department
To equip the students and scholars with the skills to meet the challenges in science and Technology

5. Any other suggestions/comments:
The department can include more practical based workshops to enhance the content knowledge of the learners

1c) Feedback from Parents

Parent Feedback

1. PARENT'S DETAIL

	Name	Age	Qualification	Occupation
Father	P. SIVASAMY	58	SSLC	-
Mother	S. POONGODI	50	SSLC	Home maker

Communication	House Address	Office Address		
	15/29 Trichy road Chinthamanipudur(po) Coimbatore-641103. Mobile No.: 9894163887 Email ID:-	- Mobile No.: Email ID:		
Alumni	Yes	No √ Year of Study -	Department	-

2. YOUR WARD'S DETAIL

Name	Department	Reg. No.	Day Scholar/ Campus Hostel/ Outside Hostel
S. VASUKI	M.Sc. Chemistry	PR15CH1014	Campus hostel
Mobile No. 9655992223	**Email ID**	Vasuki.psgtech@gmail.com	
HOSTEL DETAILS	Room No.: 341 Name of the Hostel: EVR Address :EVR Residency (Karunya Girls Hostel)		

3. Your views on the Working of Autonomy in the Design of Curriculum & Teaching, Learning and Evaluation

S. No.	Particulars	Excellent	Very Good	Good	Average	Poor
Karunya Institution of Technology and Sciences has brought in several changes in the Design of Curriculum. Tick your options						
1	Raising the standard of education through Curriculum		√			
2	Competency of the Teachers in imparting the Course content and Skills effectively	√				
3	Importance given to practical aspects in curriculum	√				
4	Courses in the curriculum are socially relevant	√				

S. No.	Particulars					
5	Education provided creates confidence to face competitive exams					
6	Courses in the curriculum are suitable for Employability / Entrepreneurship	√				
7	The interaction between staff and students inside and outside the classrooms	√				
8	Usage of Technologies by faculty relevant to the course	√				
9	Evaluation system in exams followed in the Institution		√			

4. Your views on the Education, Facilities and Resources in Karunya Institute of Technology and Sciences

S. No.	Particulars	Excellent	Very Good	Good	Average	Poor
	Karunya Institution of Technology and Sciences provides lots of facilities and resources to encourage and motivate the students to learn more. Some of them are mentioned below.					
1	The Institution offers quality education in a holistic way	√				
2	The overall facilities available in the Institution	√				
3	Placement training and facilities			√		
4	Internet and Wi-Fi facility	√				
5	Library facilities	√				
6	Sanitation facilities	√				
7	Facilities in the Residences	√				
8	Co-curricular activities		√			
9	Mentoring and counselling system	√				
10	Bridge courses in English / Computer / Mathematics conducted in the First year	√				
11	Training programmes to impart life skills	√				
12	Fee Structure				√	

5a. What is the unique feature of Karunya Institute of Technology and Sciences?
       Subjects are taught in more practical way for the ease of understanding and also to face the competitive exams.

5b. Are you willing to contribute to the development of the Institution? In what way?
Yes.

5c. How do you rate the developmental activities organized by the department / institution?
The activities are well organized by the department.

5d. What do you expect from the Institution for your son / daughter towards education?
 The Institute can further provide more placement oppourtunities for the students.

S.POONGODI

Signature

1d) Feedback from Teachers

TEACHER FEEDBACK ON CURRICULAR DESIGN AND DEVELOPMENT

Name of the Faculty		Department	Academic year
Dr.K. Parameswari		Chemistry	2016-17
Programme	Course Handled		Course code
PG	Chemical Bonding and Nuclear Chemistry		15CH3002

Note : *The scales mentioned in the questionnaire are as follows:*

1. Commendable   2. Highly Satisfactory   3. Satisfactory   4. To be improved   5. Poor

S. No	Questions	1	2	3	4	5
1	Courses handled by me caters to the Regional/ National / Global needs		✓			
2	Courses integrate / augment Professional and Employable skills	✓				
3	Course contents are relevant to the societal need and include recent topics		✓			
4	Courses involve problem solving / analytical / creative and innovative skills required for the students		✓			
5	Courses involve sufficient lab work / case studies/ field trips etc.		✓			
6	Courses motivate the students to use the resources such as library and e-gadgets for their learning		✓			
7	Curriculum contains wide range of courses under CBCS including Core, Core Electives, Value Additions, Projects, etc.		✓			
8	The credit and grading system followed are indicative of the weightage of the courses offered		✓			
9	The Curriculum design, Teaching-Learning-Evaluation and examination transactions are effectively carried on time		✓			
10	The evaluation schemes fulfils the learning system as student-centric		✓			
11	The opportunity given to me to design the courses as per the common objective of the department for the benefit of students		✓			

Signature with date

ACTION TAKEN

- The syllabi have been provided as a detailed one
- Topics related to placement requirement can be increased.
- The following courses related to placement have been framed

1	17CH3023	Polymer Chemistry	3:0:0
2	17CH3024	Analytical Chemistry	3:0:0
3	17CH3025	Medicinal Chemistry	3:0:0
4	17CH3026	Supramolecular Chemistry	3:0:0

- The course content related to acquiring of skills relevant to placement opportunities should be increased (Full semester project options are provided)

ACTION TAKEN REPORT 2016-17

The stakeholders have appraised the updated course contents, knowledge of the students, willingness towards continuous learning, communication skills, satisfactory level of response from the Institution, etc. The action taken report on the following feedback is mentioned here.

S. No.	Action Points	Actions Taken
1	Detailed syllabi can be provided	Provided
2	Topics related to placement hcan be increased	Courses related to placement have been introduced
3	skills relevant to placement opportunities should be increased	Full semester project has been introduced.

FEEDBACK ANALYSIS 2016-17

The feedback from the parents, employers, alumnus, students and faculty members are analyzed using various criterions and evaluated below.

1. **Feedback from students:**

   Feedback from the students are collected for the improvement of the curriculum based on the following criterions.

#	Criteria	1	2	3	4	5
A) Academic Course						
1	Choice Based Credit System and Course Design					
2	Choice of course content to meet placement requirement					

#		Very Good	Good	Average	Poor	Very Poor
3	Knowledge and intellectual enhancement through course content					
4	Teaching hours per week and credits allotted for each course					
5	Syllabus and suggestion of resources for further reading					
6	Freedom in selecting elective and inter-departmental courses					

1. Very Good   2. Good   3. Average   4. Poor   5. Very Poor

2. **Feedback from Alumni:**

   Feedback from the Alumni are collected during alumni meetings for the improvement of the curriculum based on the following criterions.

#	Criteria	Very Good	Good	Average	Poor	Very Poor
	A) Course Content of Program Attended					
1	The level of knowledge enrichment achieved through the course content					
2	Allotment of credits for each course and teaching hours per week					
3	The syllabus, design, resource and outcome of each course					
4	Choice provided to select elective courses and inter departmental courses					
5	The course content enabled acquiring of skills relevant to placement opportunities					

3. Feedback from parents

Feedback from the parents are collected during the parents-teacher meeting meeting where the feedback about the curriculum is also collected for analysis and improvement based on the following criterion

Karunya Institution of Technology and Sciences has brought in several changes in the Design of Curriculum. Tick your options	
S. No.	**Particulars**
1	Raising the standard of education through Curriculum
2	Competency of the Teachers in imparting the Course content and Skills effectively
3	Importance given to practical aspects in curriculum
4	Courses in the curriculum are socially relevant
5	Education provided creates confidence to face competitive exams
6	Courses in the curriculum are suitable for Employability / Entrepreneurship

4. Feedback from Teachers

Feedback from the teachers are collected every year for analysis and improvement based on the following criterion

S. No	Questions
1	Courses handled by me caters to the Regional/ National / Global needs
2	Courses integrate / augment Professional and Employable skills
3	Course contents are relevant to the societal need and include recent topics
4	Courses involve problem solving / analytical / creative and innovative skills required for the students
5	Courses involve sufficient lab work / case studies/ field trips etc.
6	Courses motivate the students to use the resources such as library and e-gadgets for their learning
7	Curriculum contains wide range of courses under CBCS including Core, Core Electives, Value Additions, Projects, etc.
8	The credit and grading system followed are indicative of the weightage of the courses offered
9	The Curriculum design, Teaching-Learning-Evaluation and examination transactions are effectively carried on time
10	The opportunity given to me to design the courses as per the common objective of the department for the benefit of students

Karunya University,
Karunya Nagar – 641 114.

Minutes of the meeting of the Board of Studies (BoS) of Division of Chemistry, Department of pre-engineering Program held at Visitors Lounge, Ground Floor S&H Block
Date: 31st March 2017   Time: 10.30 AM

Members Present

1. Dr. Daphy Louis Lovenia. Professor and Head, Department of Pre-Engineering Program

2. Dr. S. Govindarajan, Emeritus Professor, Department of Chemistry, Bharathiar University, Coimbatore

3. Dr. K. Parameswari, Assistant Professor of Chemistry Karunya University

4. Dr. S. Vasanthkumar, Professor of Chemistry, Karunya University

5. Dr. A. Samson Nesaraj, Professor of Chemistry, Karunya University

6. Dr. R. Nandhakumar, Associate Professor of Chemistry, Karunya University

7. Dr. J. John Rajesh, Assistant Professor of Chemistry, Karunya University

8. Dr. V. Vijaikanth, Assistant Professor of Chemistry, Karunya University

9. Dr. B. Jebasingh, Assistant Professor of Chemistry, Karunya University

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Dr. K. Parameswari, welcomed all the members. In her introductory remarks she insisted that the courses should have employability, shouldmake the studentto become entrepreneur and the laboratory courses and other courses should improve their skill development

Table CH-1
M.Sc. (Chemistry) – 2017 Batch
Course Components
Table 1

Sl. No	Course Code	Program Core – 52 credits & Full semester project / Name of the Course	Credits
1	17CH3001	Chemical Kinetics and Photochemistry	3:1:0
2	17CH3002	Chemical Bonding and Nuclear Chemistry	3:0:0
3	17CH3003	Organic Reaction Mechanism and Stereochemistry	3:1:0
4	17CH3004	Quantum Chemistry and Group Theory	3:1:0
5	17CH3005	Coordination Chemistry	3:1:0
6	17CH3006	Molecular Spectroscopy	3:0:0
7	17CH3007	Chemical Thermodynamics and Electrochemistry	3:0:0
8	17CH3008	Organometallic, Bioinorganic and Solid State Chemistry	3:1:0
9	17CH3009	Synthetic Methodology and Natural Products	3:0:0
10	17CH3010	Qualitative and Quantitative Inorganic Analysis Lab	0:0:4
11	17CH3011	Qualitative and Quantitative Organic Analysis Lab	0:0:4
12	17CH3012	Physical Chemistry Lab	0:0:4
13	17CH3013	Modern Instrumental Analysis Lab	0:0:2
14	17CH3014	Preparative Inorganic Chemistry Lab	0:0:2
15	17CH3015	Synthetic Organic Chemistry Lab	0:0:2
16	17VE3001	Value Education	2:0:0
		Total Credits	**52**
	FSP3999	Full Semester Project	0:0:20
		Total	**72**

Table 2

Sl. No	Sub Code	Soft Core – Minimum 12 credits to be earned	Credits
1	17CH3016	Instrumental Methods of Analysis	3:0:0
2	17CH3017	Main Group Chemistry	3:0:0
3	17CH3018	Synthetic Reagents and Concerted Reactions	3:0:0
4	17CH3019	Spectroscopic Methods for Structural Elucidation	3:0:0
5	17CH3020	Supramolecular Chemistry and Green Chemistry	3:0:0
6	17CH3021	Applied Electrochemistry	3:0:0
7	17CH3022	Molecular and Material Self Assembly	3:0:0
8	17CH3023	Polymer Chemistry	3:0:0
9	17CH3024	Analytical Chemistry	3:0:0
10	17CH3025	Medicinal Chemistry	3:0:0
11	17CH3026	Supramolecular Chemistry	3:0:0

Credit Distribution:

Classification	Credits
Core	72 (52 + 20)
Soft Core	12

Elective	6
Total	90

Table CH-2
LIST OF COURSES

Sl.No	Sub Code	NAME OF THE SUBJECT	Credits	New/Revised
1	17CH1001	Instrumental Techniques in Chemistry	2:0:2	
2	17CH1002	Applied Chemistry	3:0:0	
3	17CH1003	Applied Chemistry Lab	0:0:2	
4	17CH1004	Environmental Studies	3:0:0	
5	17CH2001	Chemical Bonding and Concepts of Acids and Bases	3:0:0	
6	17CH2002	Organic Reaction Intermediates and Stereochemistry	3:0:0	
7	17CH2003	Atomic Structure, Thermodynamics and Electrochemistry	3:0:0	
8	17CH2004	Chemistry of Transition and Inner-transition Elements	3:0:0	
9	17CH2005	Reaction Mechanism and Heterocyclic Chemistry	3:0:0	
10	17CH2006	Surface chemistry and Chemical Kinetics	3:0:0	
11	17CH2007	Qualitative Analysis and Inorganic Preparations Lab	0:0:2	
12	17CH2008	Titrimetric Analysis and Gravimetric Analysis lab	0:0:2	
13	17CH2009	Organic Qualitative Analysis Lab	0:0:2	
14	17CH2010	Physical Chemistry Lab - I	0:0:2	
15	17CH2011	Chemistry In Everyday Life	3:0:0	
16	17CH2012	Applied Nanochemistry and Next Generation Materials	3:0:0	
17	17CH3001	Chemical Kinetics and Photochemistry	3:1:0	Revised
18	17CH3002	Chemical Bonding and Nuclear Chemistry	3:0:0	New
19	17CH3003	Organic Reaction Mechanism and Stereochemistry	3:1:0	New
20	17CH3004	Quantum Chemistry and Group Theory	3:1:0	Revised
21	17CH3005	Coordination Chemistry	3:1:0	New
22	17CH3006	Molecular Spectroscopy	3:0:0	Revised
23	17CH3007	Chemical Thermodynamics and Electrochemistry	3:0:0	Revised
24	17CH3008	Organometallic, Bioinorganic and Solid State Chemistry	3:1:0	New
25	17CH3009	Synthetic Methodology and Natural Products	3:0:0	New
26	17CH3010	Qualitative and Quantitative Inorganic Analysis Lab	0:0:4	Revised
27	17CH3011	Qualitative and Quantitative Organic Analysis Lab	0:0:4	Revised
28	17CH3012	Physical Chemistry Lab	0:0:4	Revised
29	17CH3013	Modern Instrumental Analysis Lab	0:0:2	Revised
30	17CH3014	Preparative Inorganic Chemistry Lab	0:0:2	Revised
31	17CH3015	Synthetic Organic Chemistry Lab	0:0:2	New
32	17CH3016	Instrumental Methods of Analysis	3:0:0	New
33	17CH3017	Main Group Chemistry	3:0:0	New
34	17CH3018	Synthetic Reagents and Concerted Reactions	3:0:0	New
35	17CH3019	Spectroscopic Methods for Structural Elucidation	3:0:0	New
36	17CH3020	Supramolecular Chemistry and Green Chemistry	3:0:0	Revised
37	17CH3021	Applied Electrochemistry	3:0:0	New
38	17CH3022	Molecular and Material Self Assembly	3:0:0	New
39	17CH3023	Polymer Chemistry	3:0:0	New
40	17CH3024	Analytical Chemistry	3:0:0	New

41	17CH3025	Medicinal Chemistry	3:0:0	New
42	17CH3026	Supramolecular Chemistry	3:0:0	New

Minutes prepared by

HOD / PEP