# Analysis of Feedback from Stakeholders and Action Taken (2016-2017)

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

### 1.a. *Students Feedback*

- Students commented that all the core subjects are based on skills needed by industries
- They requested to add programming based courses in the curriculum.
- Emphasis can be given on imparting application based knowledge.

### 1.b. *Employers Feedback:*

- Employers expressed their satisfaction with the student's knowledge in medical devices field.
- It was observed that there was a lacking of application of theoretical knowledge to industry practice in the initial stages.
- Employers suggested to provide more exposure to industries to improve practical knowledge.

### 1.c. *Parents Feedback:*

- Industry Visits can be organized for the students to improve practical exposure
- Workshops and training programs need to be given to the students

### 1.d. *Alumni Feedback:*

- Alumni requested to provide application based knowledge
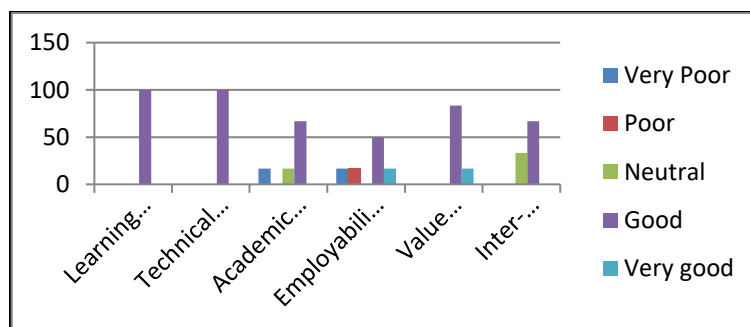
## 2) Feedback Analysis
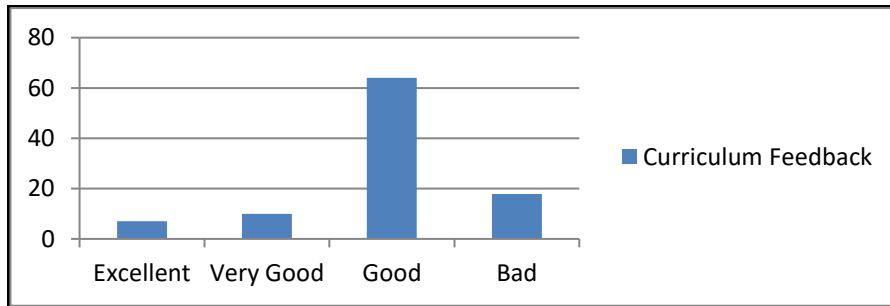


**Fig. 1. Analysis of Parents Feedback - 2016-17**

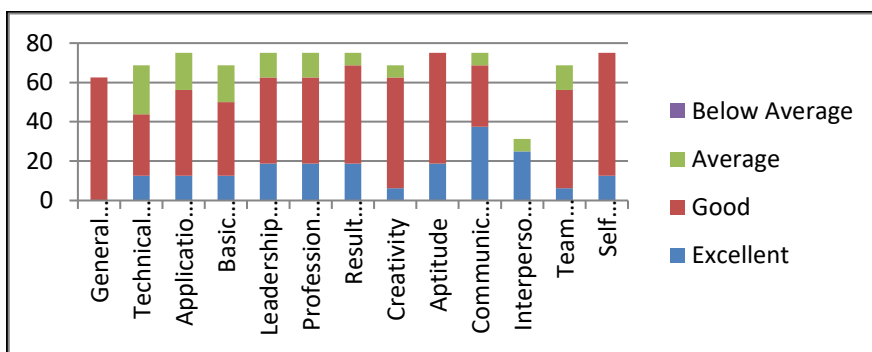**Fig. 2. Analysis of Student feedback - 2016-17**



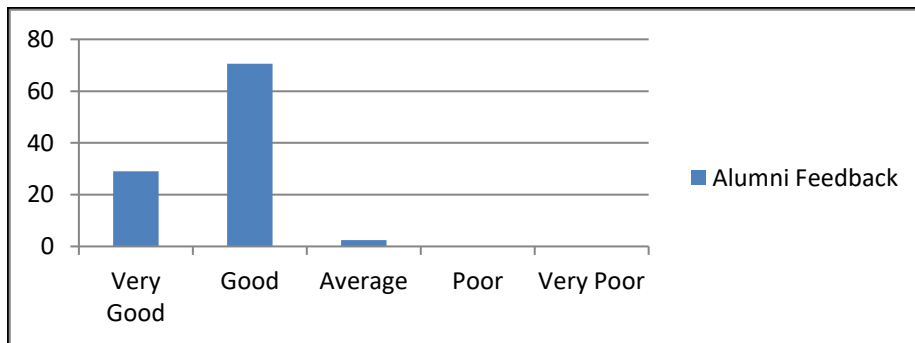**Fig. 3. Analysis of Employer's feedback - 2016-17**



**Fig. 4.Analysis of Alumni feedback - 2016-17**

The analysis reports convey that, on the whole, the stakeholders are satisfied with the academic standards of the department

3) **Sample Feedback Form**

**Student Feedback**

# Karunya University
(Karunya Institute of Technology and Sciences)

## INTERNAL QUALITY ASSURANCE CELL (IQAC)

Feedback from Students on the Curriculum
and Syllabi of the B.Tech./M.Tech. Programme for the Academic Year 2016-2017

Feedback from Mr. /Ms. Joseph Philip

Programme : B.Tech. / M.Tech-(Electronics and Instrumentation (IE))

Department : EIE Dept

School : Electrical Science

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

1. Subjects based on skills needed by companies.
2. Should be added like programming languages.
3. IoT, sel and subjects based on projects.

Suggestions to improve the Curriculum

1. Add programming language in each simester.
2. Company or industry based practical training.
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 |
|--------|---------------------|-----------|------------------------------|
|  | Sensor & Transducer | Good | Include application of this subject on current industrial technologies |
|  | Control System | Good | |
|  | Electronic circoit | Good | |

Signature

Date: ...................

Name of the Student: Joseph Philip Ittandpool

# Parent 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

### School of Electrical Sciences

### Feedback from Parents

Name: Mr/Mrs/Ms. Manjula.F       Sex(M/F): F

Education: 8th       Occupation: Self Employment

Address: Sanjai nagar, Vani polytechnic west, San Karru - 2

Student Name: F.Karthikeyan    Reg. No: UAREIO4A    Department : EEE

You are requested to answer and rate the following questions which would help us in improving the quality and services offered. The rating can be between 1 to 5.

Score 1: Very poor; Score 2: Poor; Score 3: Neutral; Score 4: Good; Score 5: Very Good

| S.No | Questions | Rating |
|------|-----------|--------|
| **Curriculum** | | |
| 1 | The Curriculum of the course is well designed and promotes learning experience to the students. | 4 |
| 2 | The Curriculum incorporates technical advancements in the relevant field of study. | 4 |
| 3 | Does the Choice Based Credit System (CBCS) adapted in the Curriculum improve the academic flexibility? | 4 |
| 4 | Employability is given focus in the curriculum design. | 4 |
| 5 | Value Add programmes like Communication Skills/Soft Skills development are added in the Curriculum. | 4 |
| 6 | The Institution provides for inter-institutional credit transfers. | 4 |
| **Teaching-Learning** | | |
| 7 | Does the department have adequate number of faculty to handle the course? | 4 |
| 8 | Does the department have faculty experts in relevant field of study? | 4 |
| 9 | Does the faculty cover the syllabus effectively for the course? | |
| 10 | Whether adequate technical guidance given to your ward for completion of Quality Assessment/Project Work | 4 |
| 11 | Does the department have adequate laboratory facility for the students? | 4 |
| **Students** | | |
| 12 | Does the department encourage the students to participate in Inter- | 4 |

| | | |
|------|-----------|--------|
| | Collegiate/Inter-Institutional Technical Fest? | |
| 13 | Do you receive relevant information like Attendance Percentage; Internal Test marks/Progress Report etc from the department? | |
| **Mentoring** | | |
| 14 | Does the mentor of your ward offer a good mentoring? | 5 |
| 15 | Does the mentor communicate to you often about the academic status of your ward? | 5 |
| 16 | Does the mentor offer personal counseling to your ward when needed? | 5 |

Suggestions for further improvement:

Thank you for helping our son. Please give more workshop and training.

F. Manjula

Signature of the Parent with Date

**Employer Feedback**

Feedback on Bhaskar Sarma

Shanth <dj.shanth@gmail.com>          Wed, Feb 24, 2016 at 4:35 PM
To: "Prof. RAJASEKARAN K" <k_rajasekaran@karunya.edu>

Dear Prof Rajasekaran,

I am sending this email as a feedback to your college based on our experience with Mr. Bhaskar Padmanaba Sarma who was shortlisted from your college to join Vital as trainee about six months back.
He is employed with Vital as Sales/Service Engineer and his current focus is on after-sales support/service of our medical device range.

1. We are extremely satisfied with his interest to learn & progress in his career.
2. We are very satisfied with his overall attitude towards employer and the job.
3. He has a very positive approach towards handling service issues & is self-motivated in resolving problems.
4. We are satisfied with his knowledge & learning of electronics as well as the medical devices field.
5. We have found him to be honest and transparent in his dealings; willing to handle most tasks given to him.
6. The learning curve & transition from college to industry was normal.
7. We expect him to mature as a refined executive within a few years, which is again quite normal in this industry.
8. Application of theoretical knowledge to industry practise was lacking in the initial stages.

We also want to confirm that we are fully satisfied with our choice of Mr. Sarma as an employee at Vital & expect to see him grow into a leadership position soon.

I hope this feedback has been of use to you.

Kind Regards

Shanthakumar
Managing Director

Vital Bio-Systems Pvt. Ltd.
R-2109/3, 1st Floor, 13th Main Road
Annanagar, Chennai - 600040, INDIA

P: +91 44 2628 1335 / 1337
E: shanth@vitalbiosystems.com or dj.shanth@gmail.com
M: +91 98400 85392

**Action Taken**

| S. No. | Suggestion given | Action Taken |
|---|---|---|
| | **Student Feedback** | |
| | Courses based on programming need to be included in the curriculum | C++ Programming and PLC programming courses were included. (A1) |
| | Emphasis to be given on application based knowledge | Mini Projects were given to improve application based knowledge |
| | **Parent Feedback** | |

| | Workshops and Training Programs need to be organized | Training Program for Matlab, Embedded Systems, Control and Instrumentation were organized. (A2) |
|---|---|---|
| | Industrial Visits are needed to improve practical exposure | Students were taken for Industry and Field Visits to improve practical exposure. (A3) |
| **Alumni Feedback** | | |
| | Application based knowledge has to be imparted to the students | Industry Training is made mandatory (A4) |
| **Employer Feedback** | | |
| | Application of theoretical knowledge to practical application is needed | Activity based learning has been introduced in as part of curriculum (A5) |
| | More industrial exposure is to be given to improve practical knowledge | Guest Lectures and industry training programs were organized (A6) |

**Evidence:A1:**

| Sl. No. | Course Code | Engineering Sciences & Technical Arts – 6 credits | Credits |
|---|---|---|---|
| | | Name of the Course | |
| 1 | 17SS2001 | Soft skills – I | 1:0:0 |
| 2 | 17SS2002 | Soft skills – II | 1:0:0 |
| 3 | 17GA2001 | General Aptitude – I | 1:0:0 |
| 4 | 17GA2002 | General Aptitude– II | 1:0:0 |
| 5 | 17CS2012 | Object Oriented Programming in C++ | 3:0:0 |
| | | Course Total | 7 |

**Table 4**

| Sl.No | Course Code | Program Core – 75 credits & a full / part semester project | Credits |
|---|---|---|---|
| | | Name of the Course | |
| 1. | 17EE2001 | Electric Circuits and Networks | 3:1:0 |
| 2. | 17EC2001 | Digital Electronics | 3:1:0 |
| 3. | 17EI2001 | Sensors and Transducers | 3:0:0 |
| 4. | 17EI2002 | Sensors and Transducers Laboratory | 0:0:2 |
| 5. | 17EI2003 | Virtual Instrumentation and Data Acquisition Laboratory | 0:0:1 |
| 6. | 17EC2072 | Electron Devices and Circuits | 3:0:0 |
| 7. | 17EC2073 | Electron Devices and Circuits Laboratory | 0:0:2 |
| 8. | 17EC2003 | Signals and Systems | 3:1:0 |
| 9. | 17EI2004 | Electrical and Electronic Measurements | 3:0:0 |
| 10. | 17EE2050 | Electrical Machines | 3:1:0 |
| 11. | 17EI2005 | Electrical Measurements and Machines Laboratory | 0:0:2 |

8.4 *Electronics and Instrumentation Engineering*

| 12. | 17EI2006 | Control System | 3:1:0 |
|---|---|---|---|
| 13. | 17EI2007 | Control Systems Laboratory | 0:0:1 |
| 14. | 17EC2015 | Linear Integrated Circuits | 3:0:0 |
| 15. | 17EC2016 | Linear Integrated Circuits Laboratory | 0:0:2 |
| 16. | 17EC2008 | Microprocessors and Microcontrollers | 3:0:0 |
| 17. | 17EC2009 | Microprocessors and Microcontrollers Laboratory | 0:0:2 |
| 18. | 17EI2008 | Industrial Instrumentation | 3:0:0 |
| 19. | 17EI2009 | Process Dynamics and Control | 3:0:0 |
| 20. | 17EI2010 | Industrial Instrumentation Laboratory | 0:0:2 |
| 21. | 17EI2011 | Process Control Laboratory | 0:0:2 |
| 22. | 17EC2010 | Digital Signal Processing | 3:1:0 |
| 23. | 17EC2011 | Digital Signal Processing Laboratory | 0:0:2 |
| 24. | 17EI2012 | Industrial Data Communication Networks | 3:0:0 |
| 25. | 17EI2013 | Digital Control Systems | 3:0:0 |
| 26. | 17EI2014 | Logic and Distributed Control Systems | 3:0:0 |
| 27. | 17EI2015 | Logic and Distributed Control Systems Laboratory | 0:0:2 |
| 28. | ITP2901 | Industrial Training | 0:0:1 |

A2: Training Programes

# KMail

## Registration Details for Add on Courses
1 message

**PAUL SATHIYAN** <sathiyan@karunya.edu>                    Tue, Dec 5, 2017 at 8:37 PM
To: 2015-btech-biomedical@karunya.edu.in, 2015-btech-ece@karunya.edu.in, 2015-btech-eee@karunya.edu.in, 2015-btech-eie@karunya.edu.in, 2015-btech-emt@karunya.edu.in, 2016-btech-biomedical@karunya.edu.in, 2016-btech-ece@karunya.edu.in, 2016-btech-eee@karunya.edu.in, 2016-btech-eie@karunya.edu.in, 2016-btech-emt@karunya.edu.in, 2017-mtech-biomedical@karunya.edu.in
Cc: HOD ET <hod_et@karunya.edu>, eee <eee@karunya.edu>, Electronics & Communication <ece@karunya.edu>, Electronics & Instrumentation <eie@karunya.edu>, Electronics & Media <emt@karunya.edu>

boxbe   This message is eligible for Automatic Cleanup! (sathiyan@karunya.edu) Add cleanup rule | More Info

Dear Students

Kindly find the enclosed registration details for the addon programme.

For the Add on Courses which starts tomorrow (Ref Table Below) , you are informed to contact the respective course coordinators and check for the timing and venue.

| Research Group | Title of the Training | Course Coordinators | Max Number of Students | Course Fee | Target Audience | | Duration | Allotted Date | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Programme | Yr | | From | To |
| Control and Instrumentation | Basics of Matlab | Dr. P. Rajalakshmy | 30 | - | All | II | 12 | Dec 6th | Dec 20th |
| Embedded System* | Crash course on Embedded Systems | Dr. K. Rajasekaran | 60 | 1000 | All | III | 20 | Dec 6th | 31-Jan |
| Virtual Reality | Virtual reality Games on Android | Mr. Alex J Timothy | 30 | - | EMT | III | 30 | Dec 6th | 31-Jan |
| Control and Instrumentation | Basics of PLC and Automation | Ananda Christuraj | 20 | - | All | III | 20 | Dec 6th | 31-Jan |
| Power & Renewable Energy | PLC | Mr. Benael Sathishraj | | - | All | III | 10 | Dec 6th | Dec 20th |
| * Registration Completed During Last Semester (Confirmation List already Circulated through KU email) | | | | # Contact the Concern Course Coordinator | | | | | |

Happy learning.....

# A Report on Field Visit

## Company visited

# Lakshmi Machine Works Ltd.

### Date: 15th Feb.2017

**No of students:55**

**Faculty coordinators:**

1)Mrs. P. Subha Hency Jose

2)Mrs. P. Rajalakshmy

3)Mr.Vijay Daniel



This field visit helped the students gain knowledge about the latest manufacturing and process techniques and improve their skill and practical knowledge.

## A4: Industrial Training

| 12. | 17EI2006 | Control System | 3:1:0 |
|-----|----------|----------------|-------|
| 13. | 17EI2007 | Control Systems Laboratory | 0:0:1 |
| 14. | 17EC2015 | Linear Integrated Circuits | 3:0:0 |
| 15. | 17EC2016 | Linear Integrated Circuits Laboratory | 0:0:2 |
| 16. | 17EC2008 | Microprocessors and Microcontrollers | 3:0:0 |
| 17. | 17EC2009 | Microprocessors and Microcontrollers Laboratory | 0:0:2 |
| 18. | 17EI2008 | Industrial Instrumentation | 3:0:0 |
| 19. | 17EI2009 | Process Dynamics and Control | 3:0:0 |
| 20. | 17EI2010 | Industrial Instrumentation Laboratory | 0:0:2 |
| 21. | 17EI2011 | Process Control Laboratory | 0:0:2 |
| 22. | 17EC2010 | Digital Signal Processing | 3:1:0 |
| 23. | 17EC2011 | Digital Signal Processing Laboratory | 0:0:2 |
| 24. | 17EI2012 | Industrial Data Communication Networks | 3:0:0 |
| 25. | 17EI2013 | Digital Control Systems | 3:0:0 |
| 26. | 17EI2014 | Logic and Distributed Control Systems | 3:0:0 |
| 27. | 17EI2015 | Logic and Distributed Control Systems Laboratory | 0:0:2 |
| 28. | ITP2901 | Industrial Training | 0:0:1 |
| | | **Total Credits** | 75 |
| | FSP2999/ PSP2998 | Full / Part Semester Project | 18/12 |
| | | **Total** | 93/87 |

## A5: Activity Based Learning

**Opening Prayer :** Dr. S. Thomas George, HoD-ECE

✓ Director- School of Electrical Sciences welcomed all the members of Board of Studies and Industry Experts.

**Director's Comments :**

As per the guidance from the management, first year curriculum is revamped based on foreign university model in which the courses are application oriented. The course content for the first year courses will be discussed in the common BoS. The curriculum and syllabi for courses from Third semester onwards will be finalized in the consequent BoS. The following are the courses offered by the School of Electrical Sciences for the first years. Matrix model has been introduced which is application based to create interest among students.

➤ Electricity in daily life
➤ Electronics in daily life
➤ Media in daily life

✓ The new courses have been framed by retaining 60 % of existing contents mapped with day-to-day applications for EEE and ECE. Media is newly introduced.
✓ She mentioned that training programs will be conducted for faculty handling the first year courses.
✓ It was mentioned that no changes need to be made in the existing curriculum for senior classes unless it is necessary. New Elective courses if any may be introduced.
✓ The course 14MA2004 - Laplace Transforms, Fourier Series and transforms in the Basic Sciences component for B.Tech EIE (2015-2016 Batch) students is to be replaced with 14MA2003 Mathematical Transforms.
✓ She also mentioned that choice is given to the students in the first year courses. Hence the course content has been framed accordingly.
✓ The Director asked the HoDs of EEE, ECE and EMT to present the common subjects to the BoS members.
✓ The presentations were made by the HoD-ECE, HoD-EEE and Mr. Issac JoelRaj, Asst. Prof-EMT

**Department of EEE :**

Dr. A. Immanuel Selvakumar, Head-EEE presented the syllabus of 16EE1001-Electricity for Engineers. He mentioned that the course will be handled partly by the faculty from EIE department.

He stated that the course content has been framed with three objectives.