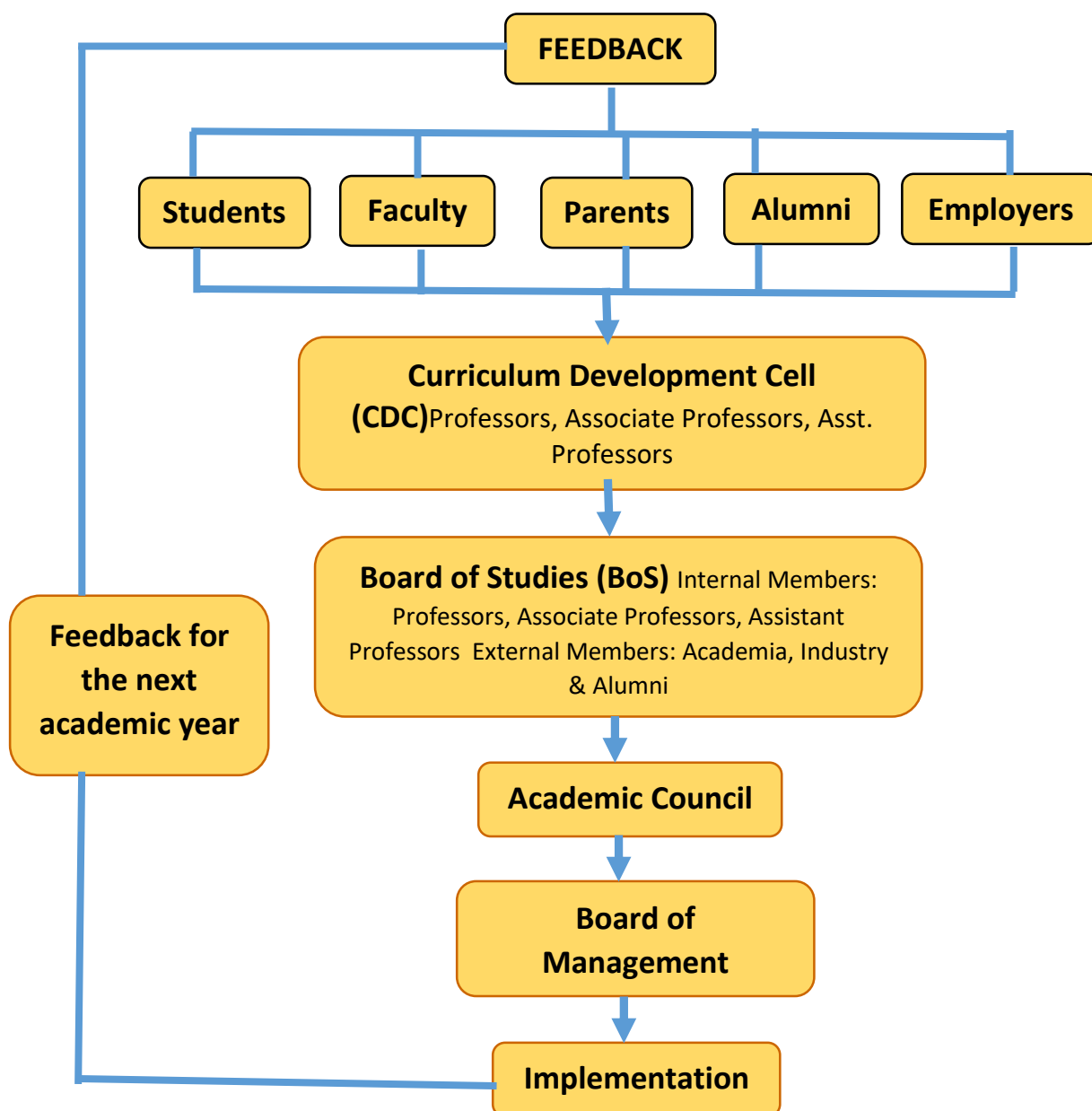


PROCESS ON CURRICULUM DESIGN

In order to enrich the curriculum and syllabi, statutory meetings like Board of Studies, Academic Council and Board of Management are conducted twice a year. During this enrichment process, feedback on the curriculum & syllabi from various stakeholders like students, faculty members, parents, alumni and employers are obtained through structured feedback forms. Based on the feedback, Curriculum Development Cell (CDC) will analyse and consolidate the changes required in the courses and syllabi.

The CDC minutes which highlights the changes incorporated based on the feedback analysis report will be presented in the Board of Studies (BoS) meeting. BoS will thoroughly scrutinise the entire curriculum & syllabi and carryout the necessary changes in the curriculum & syllabi.

The HoDs concerned will present the salient features of the proposed changes in the curriculum and syllabi and move the resolutions in the Academic Council. The suggestions given by the Academic Council will be incorporated by the HoDs and the minutes of the Academic Council will be presented to the Board of Management for review and approval. The process flow chart is given below.





Karunya UNIVERSITY

(Karunya Institute of Technology & Sciences)
Established & Affiliated to the Government under Sec. 3 of the K.A. Act 1984
Karunya Nagar, Coimbatore-641 114, Tamil Nadu, India

Department of Electrical Technology Electronics and Communication Engineering Programme

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

Feedback from Mr. / Ms.: CAROLYNN FLORENCIA FRANCIS

Programme : B.Tech. / M.Tech. : B.Tech

Department : Electronics + Communication Engg

School : Electrical Sciences

Feedback on Curriculum (Number of theory subjects, Laboratory subjects, core subjects and electives, subjects having industrial applications for improving employability)

1. Lab subjects should be more. ~~the~~ Record or Lab Observation should be stored.
2. DSP Lab was not useful. The programs were just copied.
3. ~~Only~~ Present innovations + technologies should also be updated.

Suggestions to improve the curriculum

1. Remove Lab Record work.
2. Board design lab should be included.
3. CAD subject should be practical not theory.

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

S.No	Name of the Subject	Feedback	Suggestions for improvement
1.	Microprocessor.	It was amazing.	Programming should be included.
2.	Microcontroller.	Old mcu are being taught.	New MCU tech should be taught.
3.	Managerial Skills.	Should be included in	placement class + not in theory subject.

Date : 27/11/17

Signature Carolyn

Name of the student: Carolynn Francis



DEPARTMENT OF ELECTRICAL SCIENCES
Electronics and Communication Engineering

Students Feedback

Name: Monica John Programme: B.Tech/M.Tech (ECE/CS/VLSI) Batch: 2019-2018

Reg. No: UR14EC123 Class & Section: C

We would like to know how you feel about the following outcome measures to assess the graduating engineers. Using a rating scale of 1 to 5, with 5 being the "highest" or "best", how do you rate your satisfaction with your program in each of the following?

S. No	Questions	Scores					
		5	4	3	2	1	NA
1	Ability to exhibit knowledge of Mathematics, Science and Engineering.	✓5	4	3	2	1	NA
2	Ability to identify, formulate and solve engineering problems	5	✓4	3	2	1	NA
3	Ability to design solution for complex engineering problems and design systems as per the needs and specifications.	5	✓4	3	2	1	NA
4	Ability to conduct experiments, analyze and interpret data using research based knowledge.	5	✓4	3	2	1	NA
5	Skills to use latest engineering tools and software to meet the industry requirements	5	✓4	3	2	1	NA
6	Ability to address the social issues through engineering solutions.	✓5	4	3	2	1	NA
7	Demonstrate the professional engineering solutions in societal and environmental contexts.	✓5	4	3	2	1	NA
8	Understanding of professional and ethical responsibility	✓5	4	3	2	1	NA
9	Ability to communicate effectively in both verbal and written form.	✓5	4	3	2	1	NA
10	Ability to develop confidence for self education and ability for life-long learning.	✓5	4	3	2	1	NA
11	Ability to demonstrate knowledge and understanding of the engineering to manage projects.	✓5	4	3	2	1	NA
12	Ability to function effectively as an individual or leader.	✓5	4	3	2	1	NA
13	Have you developed mathematical, scientific and engineering Skills required to solve electronics and communication engineering problems.	5	✓4	3	2	1	NA
14	Have you gained to Specify, analyze and design the electronic systems using semiconductor technology?	5	✓4	3	2	1	NA
15	Are you able to Understand, analyze, design and simulate the various communication systems, data processing techniques and validate their performance for practical applications?	5	✓4	3	2	1	NA
16	Are you able to specify, analyze, design, implement and test the analog and digital systems using the state of art components, software tools and ICT?	5	✓4	3	2	1	NA

OVERALL FEEDBACK

Using a rating scale of 1 to 5, with 5 being the "highest" or "best, rate the following

S.No	Criteria	Scores					
		5	4	3	2	1	NA
1	Academic content	5	4	3	2	1	NA
2	Fairness of evaluation	5	4	3	2	1	NA
3	Teaching Aids	5	4	3	2	1	NA
4	Interaction with faculty	5	4	3	2	1	NA
5	Mentoring	5	4	3	2	1	NA
6	Interaction with administration	5	4	3	2	1	NA
7	Library facilities	5	4	3	2	1	NA
8	Computer facilities	5	4	3	2	1	NA
9	Hostel facilities	5	4	3	2	1	NA
10	Extra-curricular activities	5	4	3	2	1	NA
11	Sports facilities	5	4	3	2	1	NA
12	Recreational facilities	5	4	3	2	1	NA
13	Research Facilities	5	4	3	2	1	NA
14	Lab Facilities	5	4	3	2	1	NA
15	Competitive Coaching (eg. Gate Exam)	5	4	3	2	1	NA
16	Placement Training	5	4	3	2	1	NA
17	Managerial Skills	5	4	3	2	1	NA

Any other:

M. Monica
25/11/19

Whatsapp Number : 9486536209

Signature of the Student with date

Personal Email Id : monicajohn109@gmail.com

Company Placed: Sutherland Global

(if yes, provide the company name)

Have you cleared any competitive exams : If yes, provide the details: —

(GATE/GRE/GMAT/National level tests /International level tests)?



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Karunya Puzh, Coimbatore-686 016, Tamil Nadu, India

Department of Electronics and Communication Engineering
Alumni Feedback

Name of the Alumni	Batch	Name and Address of the Organization	Date of Feedback
Jodan V	2013 - 2017	Infosys	8/7/17

Please give your rating on the following scale

S. No.	Question	Excellent	Very Good	Good	Average	Poor	Suggestions if any
1.	How do you rate relevance of the courses in relation to the programme?		/				
2.	How do you rate the sequence of the courses included in the programme?		/				
3.	How do you rate the competencies in relation to the course content?	/					
4.	How do you rate the sequence of topics in the units?	/					
5.	How do you rate the offering of electives in relation to the specialization streams.	/					
6.	How do you rate the offering of electives in relation to the technological advancements.		/				
7.	How do you rate the courses included in the program that are skills related and suiting to the industry?	/					
8.	How do you rate the domain used for designing the experiments in terms of the suitability of the tools to the domain?	/					
9.	How do you rate the experiments in laboratory in terms of their relevance in real time applications?		/				
10.	How do you rate the courses that you have learnt in relation to your current job?		/				

Jodan V
Signature



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AICTE Approved & NAAC Accredited
Karunya Nagar, Coimbatore - 641 114, Tamil Nadu, India

Department of Electronics and Communication Engineering

Feedback from Parents

Name: Mr/Mrs. V. ANTHONY NOEL

Education: DEGE Occupation: Business

Address:

Student Name: A. MERLIN PRESULIA Reg. No: UR 16 EC079

Vision

Raising competent Electronics and Communication engineers and technocrats to solve the problems of human society.

Mission

To raise engineers and researchers with technical expertise on par with international standards, professional attitude and ethical values, having the ability to apply acquired knowledge & skills for a productive career and service to humanity.

Program Educational Objectives (PEOs)

PEO I: Graduates demonstrate their technical knowledge in the field of Electronics and Communication Engineering for real world applications.

PEO II: Graduates exhibit competence as academicians, researchers and entrepreneurs by pursuing continuous professional development.

PEO III: Graduates contribute to the development of the society with professional ethics.

Program Specific Outcomes (PSOs)

PSO 1: Impart solid foundation in mathematical, scientific and engineering fundamentals required to solve electronics and communication engineering problems. .

PSO 2: Specify, analyze and design the electronics devices using semiconductor technology for effective development of hardware systems.

PSO 3: Understand, analyze, design and simulate the various communication systems, data processing techniques and validate their performance for practical applications.

PSO 4: Specify, analyze, design, implement and test the analog and digital systems using the state of art components, software tools and ICT.

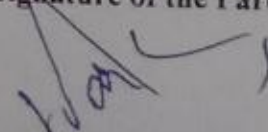
You are requested to answer and rate the following questions which would help us in improving the quality and services offered. The rating can be between 1 to 5.

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.	3
2	The Curriculum incorporates technical advancements in the relevant field of study.	3
3	Choice Based Credit System (CBCS) adapted in the Curriculum improve the academic flexibility	4
4	Employability is given focus in the curriculum design.	3
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.	3
Teaching-Learning		
7	The department have adequate number of faculty to handle the course	2
8	The department have faculty experts in relevant field of study	3
9	The faculty cover the syllabus effectively for the course	2
10	Adequate technical guidance given to your ward for completion of Quality Assessment/Project Work	3
11	The department has adequate laboratory facility for the students	4
Students		
12	The department encourages the students to participate in Inter-Collegiate/Inter-Institutional Technical Fest	1
13	Relevant information like Attendance Percentage, Internal Test marks/Progress Report etc. are received from the department	4
Mentoring		
14	The mentor of your ward offer a good mentoring	4
15	The mentor communicate to you often about the academic status of your ward	4
16	The mentor offer personal counseling to your ward when needed	4

Suggestions for further improvement:

Signature of the Parent





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Department of Electronics and Communication Engineering

Feedback from Parents

Name: Mr/Mrs. V. Wilson.
Education: B.Tech. Occupation: S/W Engineer
Address: _____
Student Name: V. Reneeth Prakash Reg. No: UR 16 EC 168

Vision

Raising competent Electronics and Communication engineers and technocrats to solve the problems of human society.

Mission

To raise engineers and researchers with technical expertise on par with international standards, professional attitude and ethical values, having the ability to apply acquired knowledge & skills for a productive career and service to humanity.

Program Educational Objectives (PEOs)

PEO I: Graduates demonstrate their technical knowledge in the field of Electronics and Communication Engineering for real world applications.

PEO II: Graduates exhibit competence as academicians, researchers and entrepreneurs by pursuing continuous professional development.

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Program Specific Outcomes (PSOs)

PSO 1: Impart solid foundation in mathematical, scientific and engineering fundamentals required to solve electronics and communication engineering problems. .

PSO 2: Specify, analyze and design the electronics devices using semiconductor technology for effective development of hardware systems.

PSO 3: Understand, analyze, design and simulate the various communication systems, data processing techniques and validate their performance for practical applications.

PSO 4: Specify, analyze, design, implement and test the analog and digital systems using the state of art components, software tools and ICT.

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.	5
3	Choice Based Credit System (CBCS) adapted in the Curriculum improve the academic flexibility	4
4	Employability is given focus in the curriculum design.	5
5	Value Add programmes like Communication Skills/Soft Skills development are added in the Curriculum.	5
6	The Institution provides for inter-institutional credit transfers.	4
Teaching-Learning		
7	The department have adequate number of faculty to handle the course	4
8	The department have faculty experts in relevant field of study	4
9	The faculty cover the syllabus effectively for the course	4
10	Adequate technical guidance given to your ward for completion of Quality Assessment/Project Work	4
11	The department has adequate laboratory facility for the students	5
Students		
12	The department encourages the students to participate in Inter-Collegiate/Inter-Institutional Technical Fest	5
13	Relevant information like Attendance Percentage, Internal Test marks/Progress Report etc. are received from the department	5
Mentoring		
14	The mentor of your ward offer a good mentoring	4
15	The mentor communicate to you often about the academic status of your ward	4
16	The mentor offer personal counseling to your ward when needed	5

Suggestions for further improvement:

Try to conduct - more meetings like this at least yearly one. So that - We can meet - the respective faculty members.

Signature of the Parent

FEEDBACK FROM CORPORATES

PERFORMANCE OF STUDENTS FROM KARUNYA UNIVERSITY

1. Name of the Company: M/s MOBIS INDIA LIMITED (HYUNDAI MOBIS R&D)
2. Nature of the Company - IT / ITES / Manufacturing / Service / Construction
3. Please rate the Overall Performance of our students as per the following parameters:-

Technical Skills

	Factors	Excellent	Good	Average	Below Average
A	General Aptitude		✓		
	Technical Aptitude		✓		
	Application Oriented Skills			✓	
	Basic Technical Knowledge			✓	

Soft-Skills

B	Leadership Qualities				
	Professional Knowledge			✓	
	Result Orientation			✓	
	Creativity			✓	
	Attitude		✓		
	Communication Skills		✓		
	Interpersonal Relationship		✓		
	Team Building		✓		
	Self Development		✓		

4. Kindly Indicate if you have any other additional feed-back to offer :-

Need to focus on engineering basics & programming skills. As we are automotive R&D we focus on the logical, analytical skills of a candidate hence proper training can be given on embedded C programming for interview

Signature: [Signature]

Name: H. Sudheer Babu

Designation: Assistant Manager - HR

Mobile Number: 7673902718

Date: 30th August 2017

FEEDBACK FROM CORPORATES
PERFORMANCE OF STUDENTS FROM KARUNYA UNIVERSITY

1. Name of the Company: M/s *INDIAN NAVY*
2. Nature of the Company - IT / ITES / Manufacturing / Service / Construction
3. Please rate the Overall Performance of our students as per the following parameters:-

Technical Skills

	Factors	Excellent	Good	Average	Below Average
A	General Aptitude	✓			
	Technical Aptitude		✓		
	Application Oriented Skills	✓			
	Basic Technical Knowledge	✓			

Soft-Skills

B	Leadership Qualities		✓		
	Professional Knowledge	✓			
	Result Orientation		✓		
	Creativity	✓			
	Attitude	✓			
	Communication Skills		✓		
	Interpersonal Relationship	✓			
	Team Building		✓		
	Self Development	✓			

4. Kindly Indicate if you have any other additional feed-back to offer :-

Overall an enthusiastic team full of energy and highly motivated. Keep up the good work!

Signature: _____

Name: *V. Seetharaman*

Designation: _____

Mobile Number: *9388247365*

Date: *22 Aug 17*

18EC2010	Microcontrollers	L 3	T 0	P 0	C 3
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Course Objectives:

1. To gain knowledge about architecture & programming concepts of 8051 and PIC microcontrollers.
2. To understand the concepts on peripheral interfacing of microcontrollers.
3. To design Microcontroller based systems.

Course Outcomes:

On successful completion of the Course, students can be able to:

1. Describe the architecture of 8051 microcontroller.
2. Discuss 8051 assembly language programs for the given applications.
3. Illustrate the memory and I/O interfacing concepts for any microcontroller design.
4. Illustrate the architectures of PIC microcontroller.
5. Develop Microcontrollers based systems using C.
6. Select the Microcontroller with proper specifications for various applications.

Module 1: 8051 Microcontrollers

Introduction to microcontrollers -8051 Microcontroller Architecture - Memory organization - SFRs – Addressing modes- 8051 Instruction Set- Programming examples- External Memory Interface.

Module 2: 8051 Microcontroller Interfacing

I/O Ports - Serial communication. Timer/Counter - Interrupts – Programming examples

Module 3: PIC 18 Microcontrollers

PIC 18 Microcontroller Architecture - Memory organization - SFRs - Interrupts – Addressing modes - Instruction set – Programming examples

Module 4: PIC 18 Microcontroller Interfacing

Timers - PWM module - I/O Expansion – SPI - I2C bus - A/D Converter - UART – Programming examples

Module 5: Introduction to Embedded C Programming

Data Types and Storage Classes - Operators and Expressions - Control Statements - Functions - Pointers and Arrays

Module 6: Applications

LCD and Keyboard Interface- ADC Interface, Stepper motor interfacing, DC motor interfacing – Programming examples using C

Text Books

1. Kenneth J.Ayala “The 8051 Microcontroller Architecture, Programming & Applications” Penram International Publishing –2008.
2. Muhammad Ali Mazidi, R.D.Mckinlay, Danny Causey, “PIC Microcontroller and Embedded Systems using Assembly and C for PIC 18”, Pearson Prentice Hall-2008.

Reference Books

1. Krishna Kant, “Microprocessor and Microcontroller Architecture, Programming and System Design using 8085, 8086, 8051 and 8096”, PHI, 2011.
2. Ajay Deshmukh, “Microcontrollers: Theory and Applications”, Tata McGraw Hill, 2010.
3. Muhammad Ali Mazidi, J.G.Mazidi, R.D.Mckinlay, “The 8051 Microcontroller and Embedded Systems”, Second Edition Prentice Hall-2007.
4. John B Peatman, “Design with PIC Micro Controllers”, Pearson Education India Series, New Delhi, 2005.
5. Brain Kernighan and Dennis Ritchie, “The C Programming Language”, Second Edition- Pearson Education India -2015
6. Yashavant P. Kanetkar, “Let Us C”, 15th Edition - BPB Publications India – July 2016