


DEPARTMENT OF MECHANICAL ENGINEERING

FEEDBACK FROM STAKEHOLDERS AND ACTION TAKEN 2017-18

The department follows a formal and structured mechanism to obtain feedback from stakeholders through various feedback forms etc.

Students' Feedback:

Feedback is obtained from the students on various aspects of teaching, learning, curriculum that are in line with the Programme outcomes and Programme Specific Outcomes. The suggestions and comments given by them are taken into consideration, discussed in the board of studies and necessary changes and modifications were carried out for the benefit of the subsequent batches of students.



Karunya INSTITUTE OF TECHNOLOGY AND SCIENCES
Deemed to be University by the Government of India, U.O. No. 1/2013, dated 12/01/2013
 Karunya Nagar, Coimbatore-641 111, Tamil Nadu, India.

STUDENT (GRADUAND) EXIT SURVEY
B.Tech Mechanical Engineering

Dear Graduan(s),
 We shall very much appreciate if you can spare some of your valuable time to fill up this programme exit survey. It would help us in our efforts to develop the best talent in terms of qualified and morally upright engineers who can make meaningful contributions to the society. **Hod/Mech.Engg**

Name as per Karunya records: <u>Anvya J B RAG</u>		Reg.No: <u>13122017-0028</u>	Section:		
If Placed, provide the details: Company Name: <u>Avsba Cryx</u>		Location: <u>Pune</u>	Position: <u>CAE</u>	Salary: <u>2.2 LPA</u>	
Which competitive exam have you appeared for? GATE / GRE / TOEFL / GMAT / CAT ~		Score / Rank / Percentile:			
Other competitive or services exams: Please Specify with Score / Rank / Percentage : —					
Are you trying for Higher Education? Yes/No —		Where? India/Absroad —	If Yes Tick the Relevant : M.Tech / M.B.A / M.N / P.G.Diploma —		
To Which university are you trying for higher education?					

S.No	Survey Questions	5 (Excellent)	4 (Very Good)	3 (Good)	2 (Average)	1 (Needs Improvement)
1	The Department provided a curriculum which enabled me meet my degree programme educational objectives	✓				
2	The projects that I undertook were useful in applying the knowledge I gained through this programme	✓				
3	The knowledge I gained enabled me get a placement at the end of the programme		✓			
4	This degree programme adequately prepared me for extending my academic career and a life-long learning process as I keep continuing in my profession		✓			
5	The laboratory facilities enabled me gain hands-on experience besides theory giving me a confidence to take up challenges in modern engineering practice	✓				
6	This Programme helped me in improving my analytical and problem-solving skills which I can successfully employ in solving problems faced by the society.	✓				
7	This Programme helped me in improving my technical and communication skills through various seminars, symposia, conferences and workshops	✓				
8	The expertise and availability of the faculty satisfied my academic interest			✓		
9	Methodologies such as Wi-Fi, online advice, web-based learning management system, LCD presentations etc. helped me in better teaching-learning process			✓		
10	I was sensitized on social ethics/moral values	✓				

Any other comments or suggestions: R & AC laboratory contents may be modified.

Communication Address:
CWS 716 2nd floor
Karunya, Marimangal, India
Coimbatore

Signature of the Mentor: [Signature]

School Placement Officer: [Signature]

Signature & Date: [Signature]

Mobile No: 9787746980

Email ID: anvya@karunya.com

STUDENT (GRADUAND) EXIT SURVEY
B.Tech. Mechanical Engineering

Dear Graduannd,

We shall very much appreciate if you can spare some of your valuable time to fill up this programme exit survey. It would help us in our efforts to develop the best talent in terms of qualified and morally upright engineers who can make meaningful contributions to the society.

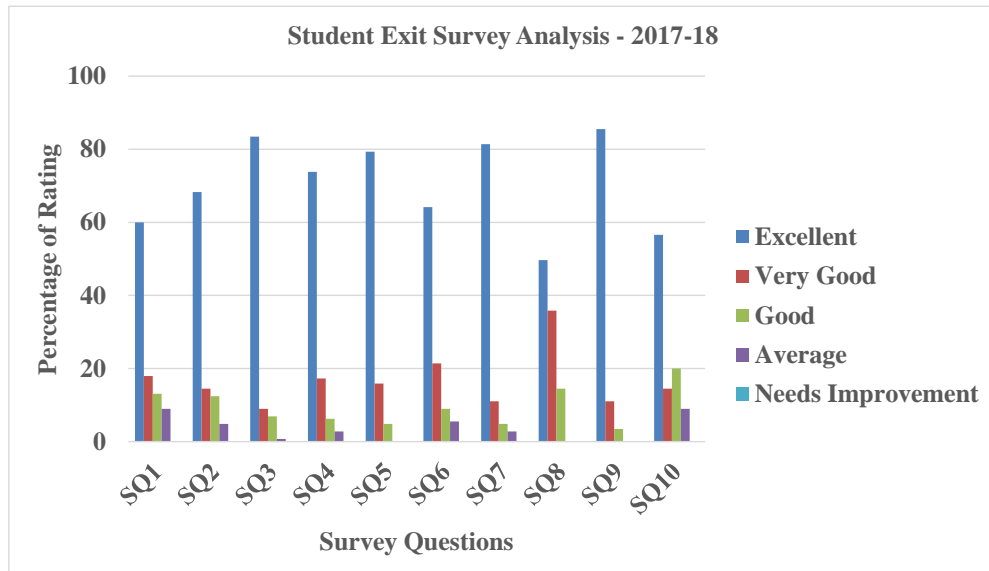
Name as per Karunya records: S.David Aasir Richardson		Reg.No: UL13ME006		Section: Mechanical		
If Placed, provide the details: Company Name: NA		Location: NA		Position: NA		
Which competitive exam have you appeared for? - GATE / GRE / TOEFL / GMAT / CAT		Score / Rank / Percentile: NA				
Other competitive or services exams: Please Specify with Score / Rank / Percentage: PGP Data Science Engineering A+ Grade						
Are you trying for Higher Education? Yes/No		Where? India/Abroad		If Yes Tick the Relevant: M.Tech / M.B.A / M.S / P.G.Diploma		
To Which university are you trying for higher education? Christ University, Pondicherry University or Great Lakes						
S.No	Survey Questions	5 (Excellent)	4 (Very Good)	3 (Good)	2 (Average)	1 (Needs Improvement)
1	The Department provided a curriculum which enabled me meet my degree programme educational objectives		*			
2	The projects that I undertook were useful in applying the knowledge I gained through this programme		*			
3	The knowledge I gained enabled me get a placement at the end of the programme			*		
4	This degree programme adequately prepared me for extending my academic career and a life-long learning process as I keep continuing in my profession		*			
5	The laboratory facilities enabled me gain hands-on experience besides theory giving me a confidence to take up challenges in modern engineering practice	*				
6	This Programme helped me in improving my analytical and problem-solving skills which I can successfully employ in solving problems faced by the society	*				
7	This Programme helped me in improving my technical and communicational skills through various seminars, symposia, conferences and workshops	*				
8	The expertise and availability of the faculty satisfied my academic interests	*				
9	Methodologies such as Wi-Fi, online advise, web-based learning management system, LCD presentations etc., helped me in better teaching-learning process.	*				
10	I was sensitized on social ethics/moral values: Mentor	*				
<i>Any other comments or suggestions: Indian Authors like RS Kurmi can be included in the reference books</i>						

Communication Address:

18/41(C), Simpson Nagar, Edayarpalayam,
Coimbatore - 641025

Signature of the Mentor

School Placement Officer Signature: 9894776269



Alumni Feedback:

Feedback is obtained from the alumni on various aspects of teaching, learning, curriculum that are in line with the Programme outcomes and Programme Specific Outcomes. The suggestions and comments given by them are taken into consideration, discussed in the board of studies and necessary changes and modifications were carried out for the benefit of the subsequent batches of students.



Karunya University
(Karunya Institute of Technology and Sciences)
 Declared as a Deemed to be University under sec. 3 of the UGC Act, 1956
MECHANICAL ENGINEERING DEPARTMENT
ALUMNI FEEDBACK

Date: 30/11/2017
 Purpose of Visit:

Dear Alumnus,

We shall very much appreciate if you can spare some of your valuable time to fill up this feedback form. It would help us in our efforts to contribute the best talent to the society in terms of qualified and morally upright Engineers. -HoD/Mech.Engg.

Name of the Alumnus as per Karunya Records: Anup J. Totagi		Reg.No: U11305006	Mentor Name: Mr. Wilton Kumar			
Course Studied (Tick the relevant): B.Tech / M.Tech / Ph.D		Year of Passing: 2017	Project Guide: Mr. Wilton Kumar			
Higher Studies: Completed/Pursuing	M.Tech / M.S / Ph.D	India / Abroad	City/State:			
Institution Name:	Course specialization:	Year of Passing:				
How were you placed? On-Campus / Off-Campus / Self	Company (Placed): Pwson engg.	Location/Position: Pune				
Currently working in: Pune	Designation: jr. Manager	City/State: Pune	Salary/Annum: 2.2 lacs/yr			
Permanent/Communication address: GWS 716, 1st cross, Karnatka circle, Navanagar, Hubli.		Email ID: Official:				
		Personal:	anupjit45@yahoo.com			
Landline with STD Code:		Facebook ID:				
Pin Code:		Mobile No:	+91 9767746900			
S.No	Assessment Criteria	Rating				
		5 (Excellent)	4 (Very Good)	3 (Good)	2 (Average)	1 (Needs Improvement)
1	Opportunity provided for improving communication skills	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Guidance on personality development and character building	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Input towards attitudinal improvement (such as self-motivation, level of confidence)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Teaching on ethical and social responsibilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Motivation towards serving society	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Encouragement received towards higher studies and career enhancement	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Academic support extended by the faculty	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	Mentoring received from the faculty	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	Opportunity for participation in co-curricular and extra-curricular activities	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	Opportunity for interaction with the industry	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Any other comments or suggestions: (use separate sheet if necessary)		Latest editions may be added for the Syllabus.				

Signature with Date: A 30/11/2017

Date :
Purpose of Visit :

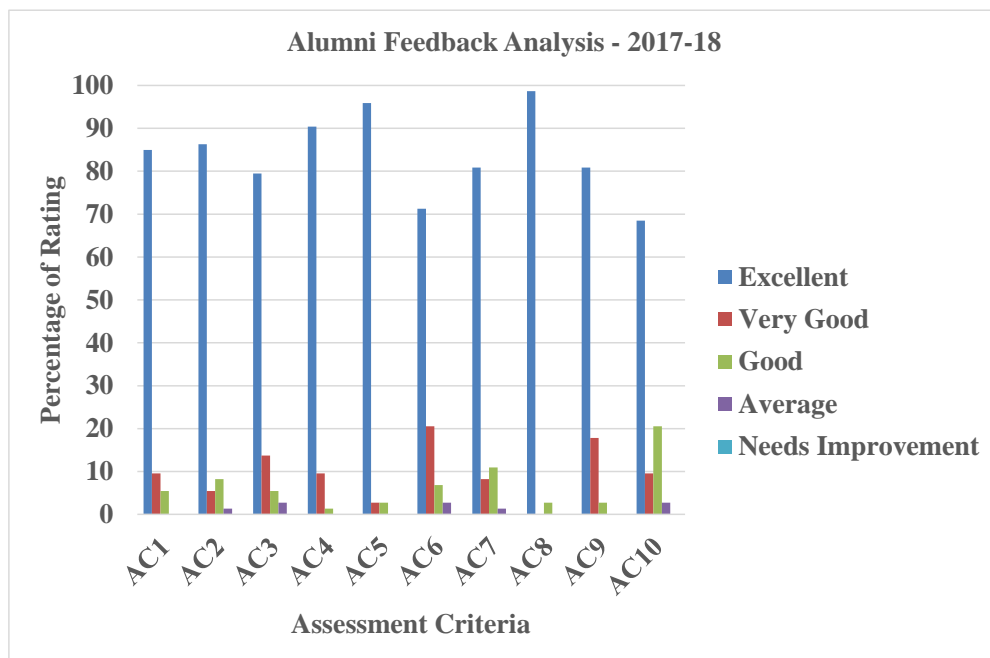
Dear Alumnus,

ALUMNI FEEDBACK
DEPARTMENT OF MECHANICAL ENGINEERING

We shall very much appreciate if you can spare some of your valuable time to fill up this feedback form. It would help us in our efforts to contribute the best talent to the society in terms of qualified and morally upright Engineers.

Name of the Alumnus as per Karunya Records: S.David Aasir Richardson		Reg.No: UL13ME006	Mentor Name: Wilson Kumar			
Course Studied (Tick the relevant): B.Tech / M.Tech / Ph.D.		Year of Passing: 2017	Project Guide: Balasubramaniam			
Higher Studies: Completed/Pursuing M.Tech / M.S / Ph.D		India / Abroad	City/State:			
Institution Name:		Course specialization:	Year of Passing:			
How were you placed? On-Campus / Off-Campus / Self		Company (Placed):		Location/Position: Currently working in: Dun & Bradstreet		
Permanent/Communication address: 18/41(C), Simpson Nagar, Edayarpalayam, CBE		Designation: Data Analyst	City/State: Bangalore, Karnataka	Salary/Annum: 720000		
Landline with STD Code: N.A		Pin Code: 641025	Official Email ID	davidasir5@gmail.com		
			Personal Email ID	asirdavid@rocketmail.com		
			Facebook ID	https://www.facebook.com/david.richard.292393/		
			Mobile No	9894776269		
S.No	Assessment Criteria	Rating				
		5 (Excellent)	4 (Very Good)	3 (Good)	2 (Average)	1 (Needs Improvement)
1	Opportunity provided for improving communication skills		*			
2	Guidance on personality development and character building	*				
3	Input towards attitudinal improvement (such as self-motivation, level of confidence)	*				
4	Teaching on ethical and social responsibilities	*				
5	Motivation towards serving society	*				
6	Encouragement received towards higher studies and career enhancement			*		
7	Academic support extended by the faculty	*				
8	Mentoring received from the faculty	*				
9	Opportunity for participation in co-curricular and extra-curricular activities	*				
10	Opportunity for interaction with the industry			*		
Any other comments or suggestions: Latest AutoCAD drawings topics be incorporated. (use separate sheet if necessary)						

Signature with Date:  (Digitally Signed) S.David Aasir Richardson



Employer Feedback:

Feedback is obtained from the employer about the students' technical aptitude, general aptitude, communications skills and interpersonal skills during the placement drives on campus. The suggestions and comments given by them are analysed and discussed in the department board of studies and necessary modifications are implemented for the benefit of the future batches of students.

Karunya UNIVERSITY
CENTRE FOR PLACEMENT & TRAINING
Karunya Nagar, Coimbatore 641 114

FEEDBACK FROM CORPORATES **PERFORMANCE OF STUDENTS FROM KARUNYA UNIVERSITY**

1. Name of the Company: M/s *Everest Industries Ltd*
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 :-

→ *Oral Communication of the Students to be improved.*

Signature: *[Signature]*

Name: *M. Sridharan Kumar*

Designation: *Manager - HR*

Mobile Number: *9795011899*

Date: *19/5/17*

FEEDBACK FROM CORPORATES
PERFORMANCE OF STUDENTS FROM KARUNYA UNIVERSITY

1. Name of the Company: M/s INDO - MIM, BANGALORE
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 >

> Basic Technical Knowledge should be improved
 > Drawing skills are poor
 > Required soft skill training

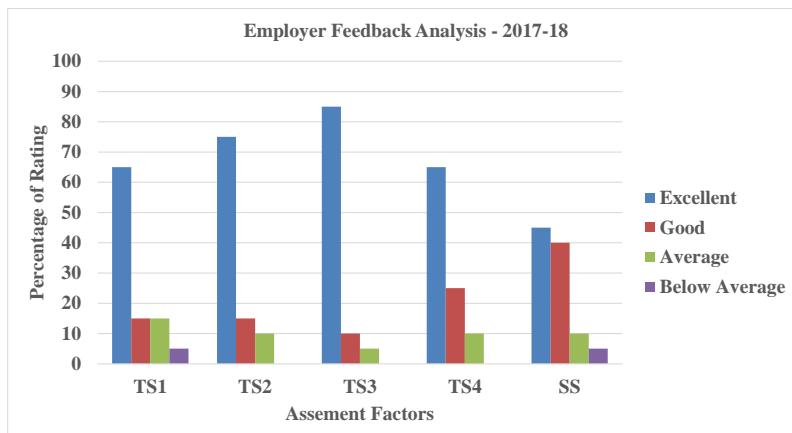
Signature: Jayaram M.N.

Name: JAYARAM. M.N.

Designation: HR Manager

Mobile Number: 9663705776

Date: 21 Feb - 2017



Parents Feedback:

Feedback is obtained from the parents of the students about the wholistic development of their wards in terms of the academic input, teaching and learning environment, departmental support, institutional support and hostel support for the well-being and growth of their wards. The suggestions were well taken and implemented accordingly.



Karunya INSTITUTE OF TECHNOLOGY AND SCIENCES
(Declared as Deemed to be University under Sec.3 of the UGC Act, 1956)
A CHRISTIAN MINORITY INSTITUTION
AICTE Approved & NAAC Accredited

DEPARTMENT OF MECHANICAL ENGINEERING

Parents' Feedback

Dear Parent,

We shall very much appreciate and be grateful if you can spare some of your valuable time to fill up this feedback form. It would help us in our efforts to contribute the best talent to the society in terms of qualified and morally upright Engineers.

-HoD/Mech.

Name of your Ward: Anup Totagi	Reg. No: UL13ME008
Programme studied: B.Tech	Year:2017

S.No	Assessment Criteria	3 Point Scale Rating		
		Strongly Agree	Partially Agree	Disagree
1	Getting admission in Karunya University for my ward is a matter of pride	✓		
2	I often interacted with my ward and Department/Institute Staff to find out his/her academic progress		✓	
3	The student's discipline in the Institute is good	✓		
4	The atmosphere in the Department/Institute is conducive for good living and learning	✓		
5	There is a positive change in the behavior of my ward after joining the Institute	✓		
6	The curriculum of the Mechanical Engineering programme is well designed and incorporates latest topics for better employability		✓	
7	The Department Library/Central Library of the Institute is equipped with latest books and facilities for self-learning	✓		
8	All the Department/Institute Employees are cordial and cooperative		✓	
9	The Department/Institute helped my ward to develop Communication & Technical skills	✓		
10	Hostel accommodation and food in the mess is good and well maintained with all amenities.	✓		
11	The Institute has good Sports & Games facilities		✓	
12	The Medical facilities provided at the Institute are good	✓		

Any other comments or suggestions for improvement: Introduce IT subjects like AI & ML in the curriculum

	Father	Mother	Guardian
Name	Jagadish Totagi	Madhumati Totagi	
Mobile Number		7382309495	
Email ID		totagimadhu@gmail.com	
Address for Communication	Permanent Address		
EWS 716 1 st cross, Karnataka circle, Navanagar, Hubli.	EWS 716 1 st cross, Karnataka circle, Navanagar, Hubli.		


Signature of the Parent

Name of the Parent: Madhumati Totagi

Date:30/11/17



DEPARTMENT OF MECHANICAL ENGINEERING

Parents' Feedback

Dear Parent,

We shall very much appreciate and be grateful if you can spare some of your valuable time to fill up this feedback form. It would help us in our efforts to contribute the best talent to the society in terms of qualified and morally upright Engineers.
-HoD/Mech.

Name of your Ward: S.David Aasir Richardson	Reg. No: UL13ME006
Programme studied: B.Tech / M.Tech	Year:2014-2017

S.No	Assessment Criteria	3 Point Scale Rating		
		Strongly Agree	Partially Agree	Disagree
1	Getting admission in Karunya University for my ward is a matter of pride	*		
2	I often interacted with my ward and Department/Institute Staff to find out his/her academic progress		*	
3	The student's discipline in the Institute is good	*		
4	The atmosphere in the Department/Institute is conducive for good living and learning	*		
5	There is a positive change in the behavior of my ward after joining the Institute	*		
6	The curriculum of the Mechanical Engineering programme is well designed and incorporates latest topics for better employability	*		
7	The Department Library/Central Library of the Institute is equipped with latest books and facilities for self-learning	*		
8	All the Department/Institute Employees are cordial and cooperative	*		
9	The Department/Institute helped my ward to develop Communication & Technical skills	*		
10	Hostel accommodation and food in the mess is good and well maintained with all amenities	*		
11	The Institute has good Sports & Games facilities		*	
12	The Medical facilities provided at the Institute are good	*		

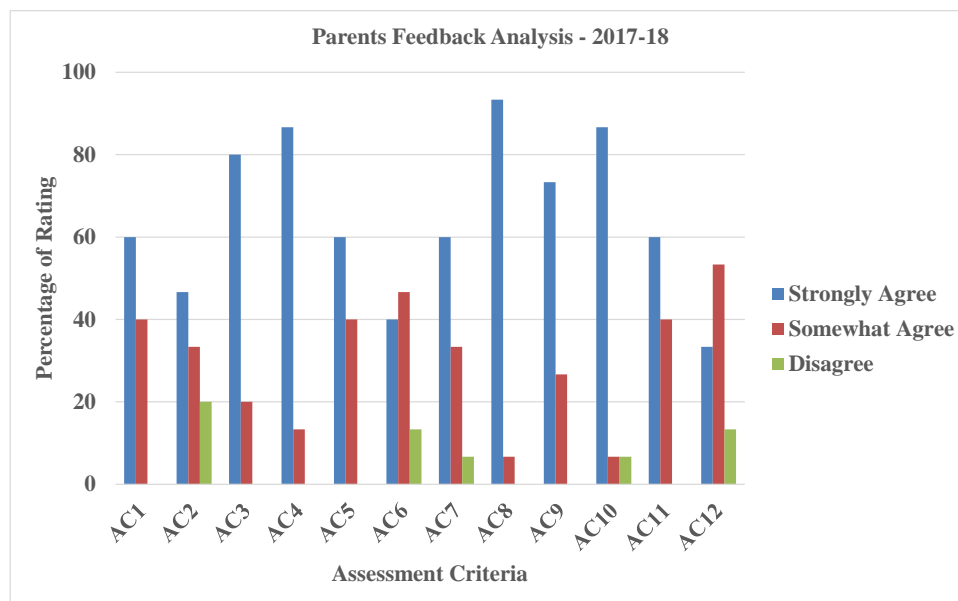
Any other comments or suggestions for improvement: Career advancement courses can be taught to the students

	Father	Mother	Guardian
Name	M. Sam Sundara Raj	Merlin Poornima Jeyaseeli	
Mobile Number	9842217071	8148101731	
Email ID	samsundar@gmail.com	merlinpoornima@gmail.com	
Address for Communication		Permanent Address	
18/41(C), Simpson Nagar, Edayarpalayam Coimbatore- 641025		18/41(C), Simpson Nagar, Edayarpalayam, Coimbatore- 641025	



Digitally Signed: Merlin Poornima Jeyaseeli

Date 30-07-2017



Action Taken Report

Students Feedback:

As per the student's feedback and suggestions the changes were incorporated in the curriculum.

- R and ac laboratory contents may be modified.
- Indian authors like R.S. Kurmi can be included in the reference books.

Alumni Feedback:

- Latest editions of the text books were added in the syllabus.

- New AutoCAD topics were added to the syllabus.

Parents Feedback:

Few career advancement programs were arranged to students for providing a bright future. Latest courses in the field of AI and ML were discussed and taken decisions were taken to introduce them in the curriculum for the subsequent batches of students.

Employers Feedback:

Soft skills courses were introduced to enhance the communications skills of the students. Fundamentals in the core subjects were given extra attention by the faculty for all the core courses.

The table shows some of the new courses and revamped courses approved by the BoS to be added in the curriculum.

1	17ME1001	Basic Mechanical Engineering	3:0:0
2	17ME1003	Workshop Practice	0:0:2
3	17ME2001	ENGINEERING MECHANICS	0:0:2
4	17ME2002	MATERIAL SCIENCE AND ENGINEERING	3:0:0
5	17ME2003	METROLOGY AND MEASUREMENT SYSTEMS	3:0:0
6	17ME2004	ENGINEERING THERMODYNAMICS	3:0:0
7	17ME2005	MECHANICS OF SOLIDS	3:0:0
8	17ME2006	MANUFACTURING PROCESSES	3:0:0
9	17ME2007	METROLOGY LAB	0:0:2
10	17ME2008	METALLURGY LAB	0:0:2
11	17ME2010	MACHINING PROCESSES	3:0:0
12	17ME2011	THERMAL ENGINEERING I	3:0:0
13	17ME2012	KINEMATICS OF MACHINERY	3:0:0
14	17ME2013	FLUID MECHANICS AND MACHINERY	3:0:0
15	17ME2014	MACHINING LABORATORY	0:0:2
16	17ME2016	MACHINE DRAWING	0:0:2
17	17ME2017	COMPUTER AIDED DESIGN AND MANUFACTURING	3:0:0
18	17ME2021	COMPUTER AIDED ENGINEERING LAB	0:0:2
19	17ME2022	THERMAL ENGINEERING LAB	3:0:0
20	17ME2024	HEAT AND MASS TRANSFER	3:0:0
21	17ME2025	RESOURCE MANAGEMENT	3:0:0
22	17ME2026	FLUID POWER CONTROL ENGINEERING	3:0:0

23	17ME2029	CAM LAB	0:0:2
24	17ME2030	FLUID POWER CONTROL AND MECHATRONICS LAB	3:0:0
25	17ME2033	Product Design and Development Strategies	3:0:0
26	17ME2034	Composite Materials	3:0:0
27	17ME2035	Design for Manufacture	3:0:0
28	17ME2036	Tribology in Design	3:0:0
29	17ME2037	Design of Jigs, Fixtures and Press Tools	3:0:0
30	17ME2038	INDUSTRIAL ENGINEERING AND MANGEMENT	3:0:0
31	17ME2043	Computational Fluid Dynamics	3:0:0
32	17ME2044	Renewable Energy Sources	3:0:0
33	17ME2047	Biomass Energy Systems	3:0:0
34	17ME2048	Alternative Fuels for I.C Engines	3:0:0
35	17ME2049	Modern Vehicle Technology	3:0:0
36	17ME2051	Turbomachinery	3:0:0



KARUNYA UNIVERSITY

(Karunya Institute of Technology and Sciences)
(Declared as Deemed to be University under Sec. 3 of the UGC Act 1956)
Karunya Nagar, Coimbatore – 641 114

SCHOOL OF MECHANICAL SCIENCES

**MINUTES OF THE BOARD OF STUDIES OF THE MECHANICAL ENGINEERING
HELD ON 12.04.2017 at 10.00 a.m.
Venue : Mechanical Engineering Seminar Hall**

Members Present (External):

1. Mr.Suresh Williams, Managing Director, Alpha Drives, Coimbatore (Industry)
2. Prof. S.R. Devadasan, External Member, PSG College of Technology, Coimbatore.(Educational Institution)
3. Dr.S.Kumanan, Professor, NIT Trichy (Educational Institution)
4. Dr.K.Arul Prakash, Associate Professor, IIT-Madras.(Alumni)

Members Present (Internal)

5. Dr.P.D.Arumairaj, HoD-Department of Civil and Mechanical Engineering
6. Dr. M. Sekar, Professor, Mech. Engg.
7. Dr. T.V. Christy, Professor, Mech. Engg.
8. Dr. D.S. Robinson Smart, Professor, Mech. Engg.
9. Dr. L. Godson Asirvatham, Asso. Professor, Mech. Engg.
10. Dr. C.P. Jawahar, Associate Professor, Mech. Engg.
11. Dr. P. Sam Paul, Associate Professor, Mech. Engg.
12. Dr.S.Antony Raja, Associate Professor, Mech. Engg.
13. Dr. G. Ganesan, Associate Professor, Mech. Engg.
14. Dr.Babu Rao, Assistant Professor, Mech Engg.
15. Dr.D. Philip Selvaraj, Assistant Professor, Mech. Engg
16. Dr.R.Raja, Assistant Professor, Mech. Engg
17. Dr.Sabitha Jannet, Assistant Professor, Mech. Engg
18. Dr.Rajakumar S. Rai, Assistant Professor, Mech. Engg
19. Mr. B. Jefferson Raja Bose, Assistant Professor, Mech. Engg.
20. Savale Amit.S, PR15ME4010, II M.Tech,(Engineering Design).
21. Andrea Iris.J, UR13ME014, IV B.Tech Mech. Engg.
22. Jeriv V John, UR14ME126, III B.Tech Mech. Engg.

The meeting started with an opening prayer by Dr.T.V .Christy.

1. Chairman of the Board of Studies (BoS) greeted all the BoS members and requested them to introduce themselves.
2. The chairman has given the brief about the number of course outcomes (6) and the five paragraphs in the syllabus.
3. The curriculum for B.Tech, Mechanical Engineering, M.Tech in Engineering Design, Advanced Manufacturing Technology, Thermal Engineering, M.Tech Lateral in Advanced Manufacturing Technology, PG diploma in Petroleum and Natural Gas Flow

Measurements and Instrumentation, Advanced Manufacturing Technologies were presented.

4. It is proposed to have Engineering Mechanics [17ME2001] course in the second semester of the first year instead of Basic Mechanical Engineering [17ME1003] course for B.Tech Mechanical Engineering Students.
5. The course syllabus for the UG and PG programmes prepared by the team of faculty members were presented.
6. The following points were suggested by the BoS members:
 - a. 17ME2021, course title is changed from computer Aided Design and Engineering Laboratory as Computer Aided Engineering Laboratory.
 - b. The numbers used in Professional elective (VIII and IX) in semester VIII has to be removed.
 - c. The Part Semester Project the name can be changed as Half Semester Project and the code can be changed from PSP2998 into HSP2998.
 - d. It is suggested for the Course hours per week on the credits can be return as L: T: P and C (like Lecture: Tutorial: Practical and Total number of Credits).
 - e. It is suggested that 2 Practical hours can be given as 1 Credit.
 - f. In 17ME1002, Engineering Drawing it is recommended to include separate sub heading for computer aided drafting. Total Number of exercise is constrained to twelve only.
 - g. In 17ME1003, Workshop Practice the word "Preparation of" is replaced by "Making of".
 - h. In 17ME2001, Engineering Mechanics the subtitle of last three paragraphs were suggested as kinematics of Particles, Kinetics of Particles and Dynamics of rigid bodies. It is suggest to include the following book in the reference books. J.L.Meriam and L.G. Kraige, "Engineering Mechanics-Statics", John Wiley & sons, Inc, 2006.
 - i. In 17ME2003, Metrology and Measurement Systems, the T.G. Beckwith and Marangoni, "Mechanical Measurements", Addison Wesley, 2007. Was replaced in the text books from the reference books.
 - j. In 17ME2007, Metrology Laboratory, the word "drawing" is replaced with "Establishing" in experiment no. 6.
 - k. All the course outcomes can be checked with the Dr.T.V.Christy and Dr.M.Sekar with subject experts.
 - l. It is suggested to give different suitable names for thermal engineering I and Thermal Engineering II, if possible.
 - m. In 17ME2013, Fluid Mechanics and Machinery, Application of Bernoulli's equation is changed to "Bernoulli's equation".
 - n. In 17ME2016, Machine Drawing, Basics of Geometric Dimensioning and Tolerancing is included.
 - o. In 17ME2016, Machine Drawing, Basics of Geometric Dimensioning and Tolerancing is included.
 - p. In 17ME2023, Dynamics Laboratory, Number exercise are constrained to twelve.
 - q. In 17ME2027, Design of Mechanical Transmission Systems, The test book Joseph Shigley, Charles Mischke, Richard Budynas and Keith Nisbett "Mechanical


Engineering Design", 8th Edition, Tata McGraw-Hill, 2014 is moved to reference and Prabhu. T.J, " Design of Transimission Elements", Mani Offset, Chennai, 2000.

- r. In 17ME2029, CAM Laboratory, the following experiment was included Integrating CAM with CNC Machines (demonstration only).
 - s. In 17ME2030, Fluid Power controls and Mechatronics Laboratory, each word starting letter is changed as small letters.
 - t. 17ME2031 course title " Finite Element Methods in Engineering" as " Finite Element Analysis"
 - u. 17ME2035 course title "Design For Manufacture" as "DESIGN FOR MANUFACTURING"
 - v. 17ME2037 , Design of Jigs, Fixtures and Press Tools- the third paragraph title is changed as " Press Working tools". In the last paragraph the following topics were added - computer aided sheet metal forming. Tools for high velocity forming, explosive forming and pressure die casting.
 - w. 17ME2038 - course title "~~Introduction to Engineering And Mangement~~" and human resource management is added in the last paragraph. h.
 - x. 17ME2043, Computational Fluid Dynamics, the subtitle is changed to Introduction to FD And FVM and Discretization of Heat conduction for 2nd and 3rd paragraph respectively. The following reference book is shifted to text book "D.A. Anderson, J.C. Tannehill and R.H. Pletcher, "Computational Fluid Mechanics and Heat Transfer", Hemisphere Publishing Corporation, Taylor & Francis Group, New York, 1984."
 - y. In 17ME2045, The suitable sub title should be given for the first three paragraphs.
 - z. 17ME3007 Experimental stress Analysis - similarity of Course title should be checked with civil department.
 - aa. 17Me3015 Modal Analysis of Mechanical Systems, the first paragraph sub title is changed to "Modal Testing"
7. The syllabus content of UG should not be repeated in PG Contents.

The meeting ended with a closing prayer by Dr.L.Godson Asirvatham.


Dr.L.Godson Asirvatham
Programme Coordinator, PG


Dr. M. Sekar,
Programme Coordinator, UG


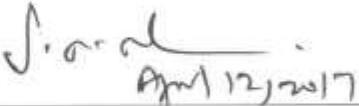
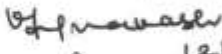



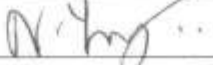



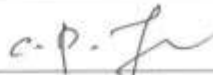
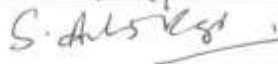
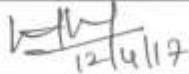
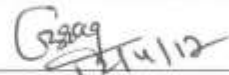
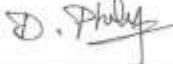

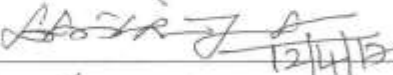



Dr. P.D. Arumairaj,
Head, CM

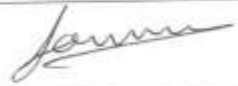
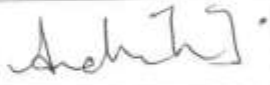

Encl: Agenda Notes

Prepared by: Dr.Babu Rao


Chairman
Board of Studies

Members of BOS attended on 12/04/2017

Name	Signature
Mr.Suresh Willams, Managing Director, Alpha drives, Coimbatore 641 004	
Prof. S.R. Devadasan, Professor, Production Engg. Dept., PSG Technology, Coimbatore	 April 12, 2017
Dr.K.Arul Prakash, Associate Professor, IIT-Madras	 12/04/17
Dr.S.Kumanan Professor, NIT Trichy	 12/4/17
Dr.P.D.Arumairaj, HoD Department of Civil and Mechanical Engineering	 12/4/17
Dr. M. Sekar, Professor	
Dr. T.V. Christy, Professor	
Dr. D.S. Robinson Smart, Professor	
Dr. G. Ganesan, Associate Professor	
Dr. L. Godson Asirvatham, Associate Professor	 12/04/17
Dr. C.P. Jawahar, Associate Professor	
Dr. S. Antony Raja, Associate Professor	
Dr. P. Sam Paul, Associate Professor	 12/4/17
Dr.G.Babu Rao, Assistant Professor	 12/4/17
Dr. D. Philip Selvaraj, Assistant Professor	 12/4/17
Dr.R.Raja, Assistant Professor	 12/4/17
Dr.Sabitha Jannet, Assistant Professor	 12/4/17
Dr.Rajakumar S. Rai, Assistant Professor	 12/4/17
Mr. B. Jefferson Raja Bose, Asst. professor	

Name	Reg. No	Class	Sign
JERIN V JOHN	UR14ME126	III B.Tech.	
ANDREA IRIS J	UR13ME014	IV B.Tech.	
SAVALE AMIT S	PR15ME4010	II M.Tech.	



Karunya INSTITUTE OF TECHNOLOGY AND SCIENCES

Declared as Deemed-to-be University under sec. 3 of UGC Act, 1956
Karunya Nagar, Coimbatore 641 114, Tamil Nadu, India.

Mechanical Engineering

Academic Year (2017 – 18) / Semester: December 2017 – June 2018 (Even)

Minutes of the Board of Studies Meeting

Date: 18/01/2018

Time: 4.30 pm

Venue: Mechanical Seminar Hall

Members Present:

Chairman	Dr. L. Godson Asirvatham, HoD. – Dept. of Mechanical & Aerospace Engineering
Internal Members	Dr. K. Leo Dev Wins, Professor & Programme Coordinator Dr. T.V.Christy, Professor, Mech. Dr. D.S. Robinson Smart, Professor, Mech. Dr. P. Sampaul, Professor, Mech. Dr. G. Ganesan, Associate Professor, Mech. Dr. C. P. Jawahar, Associate Professor, Mech. Dr. S.Antony Raja, Associate Professor, Mech. Dr. R.Raja, Assistant Professor, Mech. Dr. Philip Selvaraj, Assistant Professor, Mech. Dr. Rajkumar S Rai, Assistant Professor, Mech. Dr. Sabitha Jannet, Assistant Professor, Mech. Dr. S.J. Vijay, Assistant Professor, Mech. Dr. G. Babu Rao, Assistant Professor, Mech. Dr. A Brusly Solomon, Assistant Professor, Mech. Dr. Titus Thankachan, Assistant Professor, Mech. Mr. Jefferson Raja Bose, Assistant Professor, Mech.
External Members	
Academia	Prof. S.R. Devadasan, Professor, Production Engineering Department, PSG College of Technology, Peelamedu, Coimbatore
Alumni	Mr. Rajasekaran D, General Manager, M.N. Auto Products(P) Ltd., 5/644-C, Thadagam Road Kanuvai (PO), Coimbatore.
Student Members	Mr.Arjun S, PR16ME4002, II M.Tech. (Engg.Design) Mr.Sharon Kumar, UR14ME153, IV B.Tech. Mech. Engg. Mr. Tummuru Vijay Kanth, UR15ME081, III B.Tech, Mech. Engg.

Opening Prayer: Dr. Philip Selvaraj

The chairman of the committee welcomed all the members and introduced the agenda points.

The following agenda points were discussed

1. Syllabus for B.Tech./B.Sc. Agricultural Programme for 2018-19 batch.
2. Syllabus for a four level course.
- i. For the School of Agriculture and Biosciences, new syllabus have been framed for four theory and laboratory subjects as per the Indian Council of Agriculture and Research (ICAR) guidelines.
 - i. Syllabus was made in paragraph wise as per the ICAR guidelines.
 - ii. Six COs are written and the new codes were given as per the Karunya Institute of Technology and Sciences (KITS) guidelines.
 - iii. Updated books were included in the syllabus.
- ii. For the subject APPLIED THERMAL ENGINEERING AND EXPERIMENTAL METHODS (17ME4001), the three course outcomes (COs) are converted into six COs & the paragraph wise syllabus has been split into unit wise syllabus without changing the content.
- iii. For all the subjects, text books and reference books were rearranged in common format.

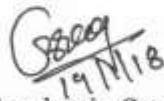
After the discussions, the following suggestions and decisions are taken:

S.No	Subject code	Subject name and Resolutions / Action Points
1	17ME4001	Applied Thermal Engineering and Experimental Methods <ul style="list-style-type: none">o The credits distribution was made in L T P C order (Lecture, Tutorial, Practical and total Credits) as followed in the most of the leading universities.o In the course objectives the word 'the' is removed.o In the 2nd course objective 'knowledge on preparation of thermal fluids and measurement techniques used for various experimental studies for thermal systems' is replaced by 'measurement of thermo physical properties of fluids'.o The word 'develop' in course outcome 3 (CO3) is replaced by 'identify'.o In CO5 the word 'data's' is replaced by 'data'.o The beginning word 'the' is removed from all the COs.
2	18ME2001	Thermodynamics, Refrigeration and Air conditioning. <ul style="list-style-type: none">o In the course objectives the word 'the' is removed.o In CO2 the word 'build' is replaced with 'perform'.o In CO5 the word 'analyses' is replaced with 'estimate'.
3	18ME2002	Refrigeration and Air conditioning Lab

		<ul style="list-style-type: none"> o In CO6 the word 'analyses' is replaced with 'determine'. o In the course content, for 6th experiment 'On-site study' is added.
4	18ME2003	<p>Theory of Machines</p> <ul style="list-style-type: none"> o In CO4 the word 'devices' is replaced with 'elements'. o In CO6 the word 'calculate' is replaced with 'balance'. o The test book authored by R S Kurmi is removed from the text book and given as reference book.
5	18ME2004	<p>Machine Design</p> <ul style="list-style-type: none"> o In CO3 the word 'utilize' is replaced with 'make use of'. o In CO4 the word 'design' is replaced with 'develop'. o In CO6 the word 'solve problems' is replaced with 'design'. o The text book 'R S Kurmi' is replaced with 'T.V.Sundararamoorthy'. o The text book 'Jain R K' is moved to reference books and S. Md. Jalaludeen' is suggested as text book. o The book authored by T.J.Prabhu is added in the reference books.
6	18ME2005	<p>Machine Drawing Lab for Agriculture</p> <ul style="list-style-type: none"> o In the course content 'types of rivet heads and riveted joints and welding symbols' is removed and made six experiments instead of seven experiments. o In CO2 'explain different types of riveted and welded joints' is replaced with 'select suitable standards for fasteners'. o In CO4 'the square and hexagonal nuts and bolts' is rearranged as 'the square, hexagonal nuts and bolts'. o In CO6 'subdivide a simple assembled machine diagram into its individual parts' is re phrased as 'construct part drawing from assembled drawing'.
7	18ME2006	<p>Heat and Mass Transfer in food processing.</p> <ul style="list-style-type: none"> o In CO2 extended surfaces is added. o In CO5 'analyze and' is removed. o The text book J.P. Holman 10th edition is added.
8	18ME2007	<p>Heat Transfer Lab for Agriculture</p> <ul style="list-style-type: none"> o In third course objective the term 'how to' is removed. o In first and second course objectives the term 'the' is removed. o In CO3 'analyze the performance' is re placed with 'determine forced convective'. o In CO5 'analyze' is changed to 'evaluate'. o The reference book J.P. Holman 10th edition is updated.
9	18ME2008	<p>CAD Applications Lab</p> <ul style="list-style-type: none"> o In the first course objective the term 'working with' is removed. o The second course objective is re phrased as 'drawing commands using AutoCAD' by replacing 'application of various line types, arcs and methods to draw using AutoCAD'. o In third course objective '2d and 3d' is replaced with '2D and 3D'. o In CO1 the word 'the' is replaced with 'of'. o In CO2 is rephrased from 'draw lines, arcs and dimension them' to 'construct and dimension lines and arcs'. o In CO3 the word 'prepare' is replaced with 'create'.

	<ul style="list-style-type: none">o The reference book authored by prof. Sham Tickoo, 2016 is added as the first preference.o From the reference books 'Lee Kunwoo, 1999, Rao. P.N, 2002 and Saran Kuldeep, 2010' are removed.
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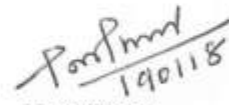
- o The meeting ended with a closing prayer by Dr.L.Godson Asirvatham.
- o The minutes of the meeting were prepared by Rajkumar S Rai.


19/11/18

Dept. Academic Coordinator


19/01/18


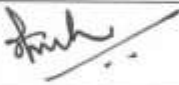




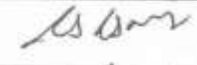

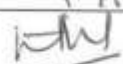
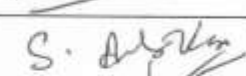

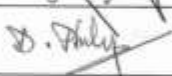


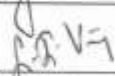
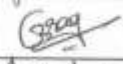

Programme Coordinator/Mech

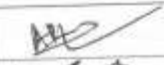

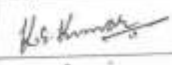

19/01/18

HoD/Mech

Encl: Syllabus copy

Members of BoS

Members	Name	Signature
External Members (Academia)	Prof. S.R. Devadasan, Professor, Production Engineering Department., PSG College of Technology, Coimbatore	
	Dr. S. Kumanan, Professor and Head in Production Engineering, National Institute of Technology, Tiruchirappalli	
External Members (Alumini)	Dr. K. Arul Prakash, Assistant Professor, Department of Applied Mechanics, IIT- Madras, Chennai.	
	Mr. Rajasekaran D, General Manager -Product Development & Engineering (Pumps) at Pricol, Coimbatore.	
External Members (Industry)	Mr. J.E.M William, Managing Director, Wonjin Auto parts India private Ltd., Plot No: A1 K CMDA Industrial Complex, Marimalai Nagar, Chennai	
	Mr. Suresh Williams, Managing Director, Surya Gears, "Alpha Drives", 1/1, V.K.K. Menon Road, Venkitapuram, Coimbatore	
Internal Members	Dr. L. Godson Asirvatham, Professor, HoD	
	Dr. K. Leo Dev Wins, Professor & Programme Coordinator	
	Dr.T.V.Christy, Professor	
	Dr. D.S. Robinson Smart, Professor	
	Prof. G. Ganesan , Associate Professor	
	Dr. C. P. Jawahar, Associate Professor	
	Dr. P. Sampaul, Professor	
	Dr. S. Antony Raja, Associate Professor	
	Dr.R.Raja, Assistant Professor	
	Dr. Philip Selvaraj, Assistant Professor	
	Dr. Rajkumar Rai, Assistant Professor	
	Dr. Sabitha Jannet, Assistant Professor	
	Dr. S.J. Vijay, Assistant Professor	
	Dr. G. Babu Rao, Assistant Professor & Academic Coordinator	
Mr. Jefferson Raja Bose, Assistant Professor.		

	Dr. A Brusly Solomon, Assistant Professor	
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	Mr. Sharon Kumar, UR14ME153, IV B.Tech. Mech. Engg.	
	Mr. Tammuru Vijay Kanth, UR15ME081, III B.Tech, Mech. Engg.	