

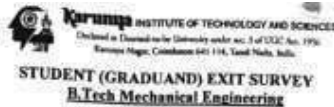
DEPARTMENT OF MECHANICAL ENGINEERING

FEEDBACK FROM STAKEHOLDERS AND ACTION TAKEN 2019-20

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.



STUDENT (GRADUAND) EXIT SURVEY B.Tech Mechanical Engineering

Dear Graduate,

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: <u>RAJUL V</u>		Reg.No: <u>UR15ME131</u>	Section: <u>HoD/Mech.Engg</u>			
If Placed, provide the details: Company Name: <u>MSE INDUSTRIES</u>		Location: <u>COIMBATORE</u>	Position:	Salary:		
Which competitive exam have you appeared for? <u>GATE / GRE / TOEFL / GMAT / CAT</u>		Score / Rank / Percentile:				
Other competitive or services exams: Please Specify with Score / Rank / Percentage :						
Are you trying for Higher Education? <u>Yes/No</u>		Where? <u>India/Abroad</u>	If Yes Tick the Relevant : <u>M.Tech / M.B.A / M.S / P.G.Diploma</u>			
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 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		✓			
Any other comments or suggestions: <u>Manual drawing may be replaced with computer based drawing in the by lab</u>						

Communication Address:

RAJUL V
MSE INDUSTRIES

Signature of the Mentor

School Placement Officer

Signature & Date:

22/11/19

Mobile: No: 9624624310

Email ID: rajulvive.not.hante@gmail.com

STUDENT (GRADUAND) EXIT SURVEY
B.Tech Mechanical Engineering

Dear Graduand,

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: **ROBAN R GEORGE** Reg.No: **URISME002** Section: **Mechanical** HoD/Mech.Engg.

If Placed, provide the details: Company Name: **Sythes Land** Location: **Chennai** Position: **BAAG** Salary: **2.5 Lakhs/-**

Which competitive exam have you appeared for? **GATE / GRE / TOEFL / GMAT / CAT** Score / Rank / Percentile : **10**

Other competitive or services exams: Please Specify with Score / Rank / Percentage :


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?

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		✓			

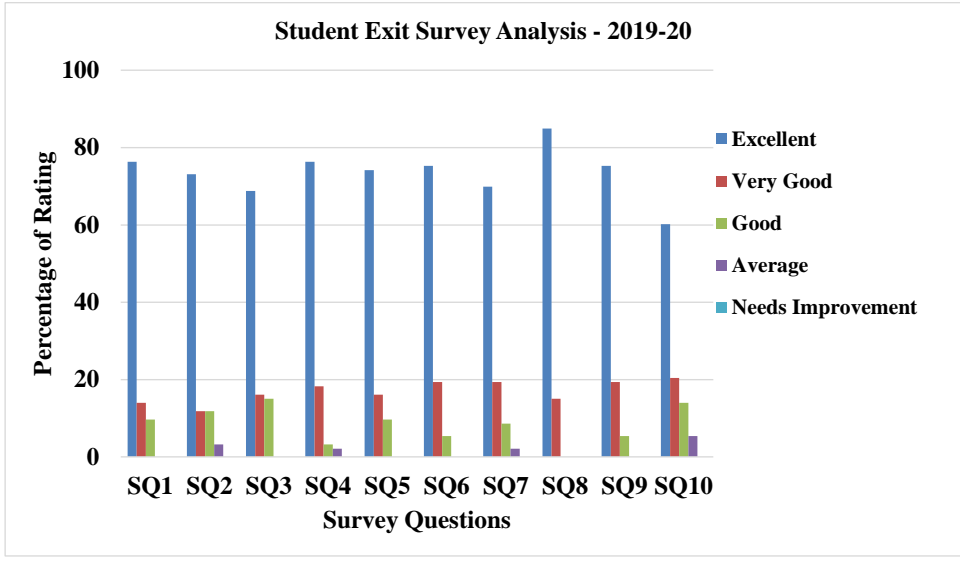
Any other comments or suggestions: **Latest modelling softwares like Solid Works, CREO can be included in lab courses.**

Communication Address:
**135-C, Pooker-E, L.I.G. Flats,
 G.T.B Enclave, Delhi-110093.**

Signature of the Mentor



School Placement Officer

Signature & Date: **Roban**
22/4/19
 Mobile No: **89406608060**
 Email ID: **robanr@karunya.edu.in**



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 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.

Date : _____
 Purpose of Visit : _____

ALUMNI FEEDBACK
DEPARTMENT OF MECHANICAL ENGINEERING

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: <u>ATHUL KRISHNAN</u>		Reg.No: <u>UK15M2082</u>		Mentor Name: <u>Dr. G. PRASAD RAO</u>		
Course Studied (Tick the relevant): <input checked="" type="checkbox"/> B.Tech / <input type="checkbox"/> M.Tech / <input type="checkbox"/> Ph.D		Year of Passing: <u>2019</u>		Project Guide: <u>Dr. G. PRASAD RAO</u>		
Higher Studies: <input type="checkbox"/> Completed/Pursuing <input type="checkbox"/> M.Tech / <input type="checkbox"/> M.S / <input type="checkbox"/> Ph.D		India / Abroad		City/State:		
Institution Name:		Course specialization:		Year of Passing:		
How were you placed? <input type="checkbox"/> On-Campus / <input type="checkbox"/> Off-Campus / <input type="checkbox"/> Self		Company (Placed):		Location/Position:		
Currently working in:		Designation:		Salary/Annun:		
Permanent/Communication address: <u>Krishna Nilas, Cox Colony, Thatsuguda, Odisha.</u>		Official Email ID <u>athulkrishnan9@gmail.com</u>				
		Personal				
		Facebook ID				
Landline with STD Code:		Pin Code: <u>768203</u>		Mobile No. <u>9873665307</u>		
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: <u>Courses on 3D printing may be included in curriculum.</u> <small>(use separate sheet if necessary)</small>						

Signature with Date: Athul Krishnan
25/9/2019



Date : _____
 Purpose of Visit : _____

ALUMNI FEEDBACK
DEPARTMENT OF MECHANICAL ENGINEERING

Dear Alumnus,

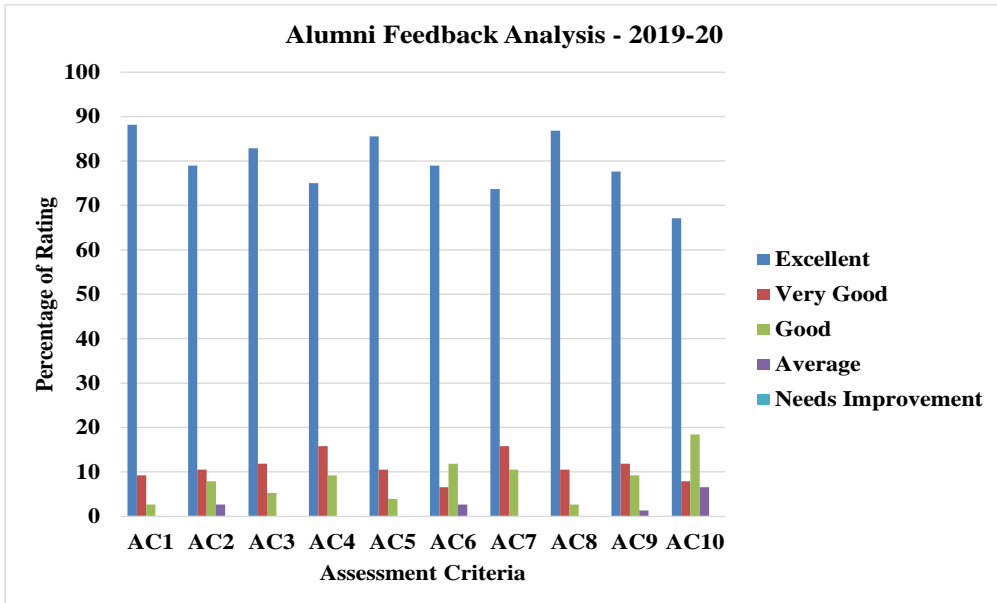
We shall very much appreciate if you can spare some of your valuable time to fill up this feedback form. It would help us in our efforts to contribute the best talent to the society in terms of qualified and morally upright Engineers.

Name of the Alumnus as per Karunya Records: VARJUN V Reg.No: 1815ME02 Mentor Name: Mrs. C Prabha
 Course Studied (Tick the relevant): B.Tech / M.Tech / Ph.D Year of Passing: 2019 Project Guide: Dr. Subha Laxmi
 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): ONGENE Location/Position: CHENNAI / Trainee
 Currently working in: _____ Designation: _____ City/State: _____ Salary/Annum: 1.5L
 Permanent/Communication address: KARUNYA VILASAM RAILWAY STATION ROAD WADAI Official Email ID: varun_vr_karunya.edu.in
 Personal Facebook ID: varunvjkrumt@gmail.com
 Landline with STD Code: 0426 2535055 Pin Code: 673101 Mobile No: 9449156360

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: Smart materials and shape memory alloy can be added for new syllabus.
 (use separate sheet if necessary)

Signature with Date: [Signature]
23/04/19



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 Institute of Technology & Sciences
(Deemed to be 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 MAARITA EXPORTS 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
General Aptitude		✓		
Technical Aptitude		✓		
Application Oriented Skills		✓		
Basic Technical Knowledge		✓		

Soft Skills

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

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

None. Good. They need to improve in APT numbers. Mathematical.

Signature: [Signature]

Name: SELVAKUMAR S. RAMESH S.

Designation: I XL PURCHASE. EXE. PURCHASE.

Mobile Number: 9487556255 9442578703

Date: 14/10/2019

FEEDBACK FROM CORPORATES
PERFORMANCE OF STUDENTS FROM KARUNYA UNIVERSITY

1. Name of the Company: M/s SUM LEA PRODUCTS EXPORT (INDIA) LIMITED
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 :-

Nothing specific to mention.

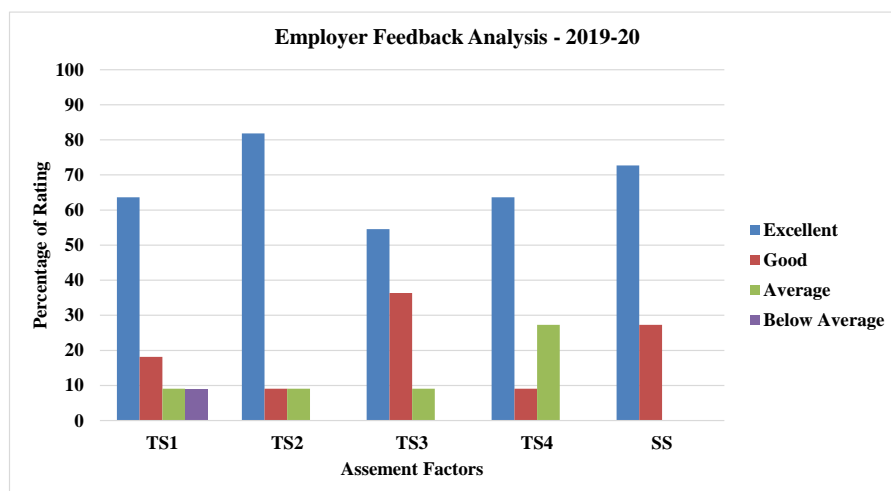
Signature: V.V. Kumbhar

Name: V.V. Kumbhar

Designation: CFO

Mobile Number: 99944-51289

Date: 16/03/19



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.



(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: ATHUL KRISHNAN	Reg. No: URISME082
Programme studied: <input checked="" type="checkbox"/> B.Tech / M.Tech	Year: 2015 - 2019

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	<input checked="" type="checkbox"/>		
2	I often interacted with my ward and Department/Institute Staff to find out his/her academic progress		<input checked="" type="checkbox"/>	
3	The student's discipline in the Institute is good	<input checked="" type="checkbox"/>		
4	The atmosphere in the Department/Institute is conducive for good living and learning	<input checked="" type="checkbox"/>		
5	There is a positive change in the behavior of my ward after joining the Institute		<input checked="" type="checkbox"/>	
6	The curriculum of the Mechanical Engineering programme is well designed and incorporates latest topics for better employability		<input checked="" type="checkbox"/>	
7	The Department Library/Central Library of the Institute is equipped with latest books and facilities for self-learning	<input checked="" type="checkbox"/>		
8	All the Department/Institute Employees are cordial and cooperative	<input checked="" type="checkbox"/>		
9	The Department/Institute helped my ward to develop Communication & Technical skills		<input checked="" type="checkbox"/>	
10	Hostel accommodation and food in the mess is good and well maintained with all amenities		<input checked="" type="checkbox"/>	
11	The Institute has good Sports & Games facilities		<input checked="" type="checkbox"/>	
12	The Medical facilities provided at the Institute are good	<input checked="" type="checkbox"/>		
Any other comments or suggestions for improvement: 3D Printing courses can be added in the curriculum.				

	Father	Mother	Guardian
Name	MR KRISHNAN		
Mobile Number	7873665309		
Email ID	athul.krishnan7@gmail.com		
Address for Communication		Permanent Address	
		KRISHNA VIRAS COX COLONY JHARSUGUDA, ODISHA - 768203	


Signature of the Parent

Name of the Parent

MR. KRISHNAN

Date

25/4/2019

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: <u>Varun . V .</u>	Reg. No: <u>UR15ME050</u>
Programme studied: <u>B.Tech / M.Tech</u>	Year: <u>2018-2019</u>

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		✓	

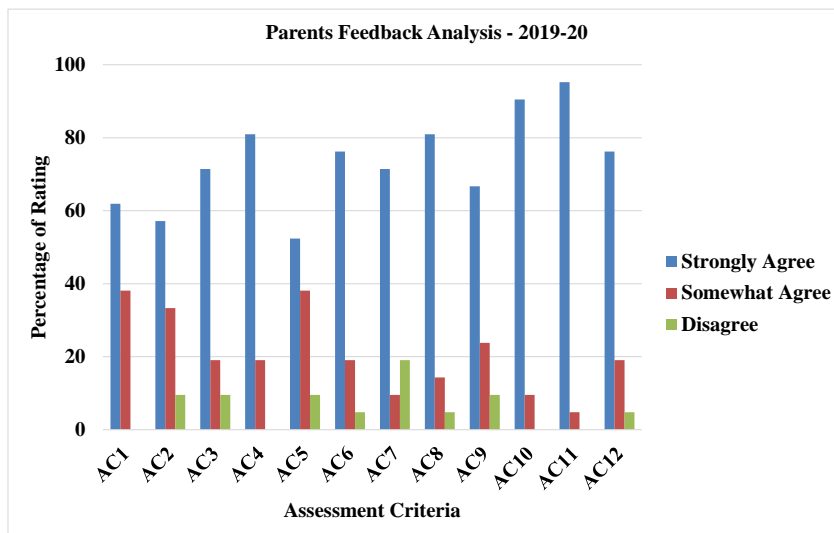
Any other comments or suggestions for improvement: More industry interaction can be arranged.

	Father	Mother	Guardian
Name	<u>Mr. Venkatesan</u>		
Mobile Number	<u>9447154340</u>		
Email ID	<u>varun_v@karunya.edu</u>		
Address for Communication	Permanent Address		
	<u>Krishnavilasam Railway Station Road Vadakara</u>		


 Signature of the Parent

Name of the Parent
Mr. Venkatesan

Date
23/04/2019



Action Taken Report

Students Feedback:

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

- Manual drawing is replaced with computer aided drawing in the curriculum.
- Latest modelling softwares like solid works, Creo are purchased with the new versions and are included in lab courses.

Alumni Feedback:

- Courses on Rapid prototyping and 3d printing are included in the curriculum.
- Smart materials and shape memory alloy are added in the new syllabus.

Parents Feedback:

As suggested by the parents 3d printing, Drone technology, courses and lab were introduced in the curriculum.

Industrial experts were called to the campus for interacting with the students.

Employers Feedback:

General and technical aptitude courses were introduced in the curriculum for helping the students to be placement ready during the campus drive.

The following table contains new courses and revamped courses for the subsequent batch of students to be benefitted.

1	19ME1001	Industrial Practice - I (Fundamentals of Chassis Design and Fabrication of Go-Kart)	0:0:1
2	19ME1002	Industrial Practice - II (Suspension and Steering Dynamics)	0:0:0.5
3	19ME1003	Engineering Mechanics	3:0:0
4	19ME2001	Industrial Practice - III (Design and Fabrication of All Terrain Vehicle)	0:0:0.5
5	19ME2002	Industrial Practice - IV (Smart Engine, Transmission Technologies and Brake Dynamics)	0:0:0.5
6	19ME2003	Industrial Practice - V (Testing and Tuning of Engine and Transmission Systems)	0:0:0.5
7	19ME2004	Industrial Practice - VI (Fundamentals of Design for Electric and Hybrid Vehicles)	0:0:0.5
8	19ME2005	Industrial Practice - VII (Fabrication Technology for Electric and Hybrid Vehicles)	0:0:0.5
9	19ME2018	Robotics and Automation	3:0:0
10	19ME2019	Actuators for Automation	3:0:0
11	19ME2020	Drone Technology	3:0:0
12	19ME2021	Manufacturing Technology Laboratory	0:0:2
13	19ME2022	Computer Aided Modelling and Assembling Laboratory	0:0:2

14	19ME2023	Mechatronics and Additive Manufacturing Laboratory	0:0:2
15	19ME2024	Metallurgy and Metrology Laboratory	0:0:2
16	19ME2025	Thermodynamics	3:0:0



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.

Department of Mechanical Engineering

Academic Year (2019 – 20) / Odd Semester: July 2019 - November 2019.

Minutes of the Board of Studies Meeting

Date: 9th November 2019 **Time:** 9.00 AM **Venue:** Mechanical Seminar Hall

Members Present:

Chairman	Dr. L. Godson Asirvatham, HoD. – Department of Mechanical Engineering
External Members	Dr. V. Sampath, Professor, Department of Metallurgical and Materials Engineering, IIT- Madras, Chennai, Tamil Nadu, India
	Dr. Arnalt Stalin, Senior Manager, Research and Product Development Air Quality Control System (AQCS), BHEL Ranipet, Vellore, Tamil Nadu, India
	Dr. Arun Tom Mathew, Associate Professor, Department of Design and Automation, VIT Vellore Campus, Vellore, Tamil Nadu, India
Internal Members	<ol style="list-style-type: none"> 1. Dr.D.S.Robinson Smart, Professor 2. Dr.M.Rajendran, Professor 3. Dr.Leo Dev Wins K , Professor 4. Dr.Sampaul , Professor 5. Dr.G.Ganesan, Associate Professor 6. Dr. Antony Raja, Associate Professor 7. Dr.S.J.Vijay, Associate Professor 8. Dr.Philip Selvaraj, Assistant Professor 9. Dr.R Raja, Assistant Professor 10. Dr.Rajkumar Rai, Assistant Professor 11. Dr.Sabitha Jannet, Assistant Professor 12. Dr.G.Babu Rao, Assistant Professor, Academic Coordinator 13. Dr. Brusly Solomon, Assistant Professor 14. Dr.Joseph John Marshal, Assistant Professor 15. Dr.Jefferson Raja Bose, Assistant Professor 16. Dr. M.Wilson Kumar, Assistant Professor 17. Dr. David Rajaselvam, Assistant Professor 18. Dr.K Kondru Gnanasundari, Assistant Professor

	19. Dr. Lijin George, Assistant Professor 20. Dr. H.Sharon, Assistant Professor 21. Dr.D.Arul Kirubakaran, Assistant Professor 22. Dr.R Malkiya Rasalin Prince, Assistant Professor 23. Dr. Praveen Kumar Bannaravuri, Assistant Professor
Special Invitee	Mr. Ajay Vasanth, Assistant Professor Mr. Mohanasundram, Assistant Professor
Student Members	Mr. Konduru Srinivasa Chakravarthy (URK16ME030), IV th . B.Tech. Mechanical Engineering. Mr. Jonathan Daniel Rupert (URK16ME001), IV th . B.Tech. Mechanical Engineering. Mr. Sharon Topno, (PRK18ME4004), II nd . M.Tech. Mechanical Engineering.

Opening Prayer: Dr.Leo Dev Wins

The following agenda points were discussed:

- i. Revised Course Curriculum for B.Tech. Mechanical Engineering 2019 Batch.
- ii. Revised Course Curriculum for M.Tech. Advanced Manufacturing Technology 2019 Batch.
- iii. New courses related to Industry 4.0.

The Chairman of the Board of Studies welcomed all the BoS members and explained the need and importance of revising the present B.Tech. Mechanical Engineering and M.Tech. Advanced Manufacturing Technology (AMT) curriculum for 2019 Batch, to match with current industry requirements by incorporating the updated technologies related to Industry 4.0.

Dr. G. Babu Rao, Academic Coordinator of the department presented the syllabus content for discussions and also the new subjects/courses prepared by the expert members of the department according to the specializations.

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

Item No.	Points Discussed												
1.	The workshop practice lab that include experiments like Carpentry, Fitting, Smithy, Sheet metal are removed and a new lab named 'Manufacturing Process Laboratory' is included.												
2	Manual drawing is removed and Computer aided Drafting is included.												
3	Manual machine drawing is modified to use the software based drawing and renamed as Modeling and Assembly Laboratory for the same amount of credits.												
4	Manufacturing Laboratory is replaced with Additive Manufacturing Laboratory.												
5	The following new Courses of latest technologies were included: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>UG</th> <th>B.Tech. Mechanical Engineering</th> </tr> </thead> <tbody> <tr> <td>19ME1003</td> <td>Engineering Mechanics</td> </tr> <tr> <td>19ME1004</td> <td>Manufacturing Process Laboratory</td> </tr> <tr> <td>19ME1005</td> <td>Computer Aided Drafting</td> </tr> <tr> <td>19ME2018</td> <td>Robotics and Automation</td> </tr> <tr> <td>19ME2019</td> <td>Actuators for Automation</td> </tr> </tbody> </table>	UG	B.Tech. Mechanical Engineering	19ME1003	Engineering Mechanics	19ME1004	Manufacturing Process Laboratory	19ME1005	Computer Aided Drafting	19ME2018	Robotics and Automation	19ME2019	Actuators for Automation
UG	B.Tech. Mechanical Engineering												
19ME1003	Engineering Mechanics												
19ME1004	Manufacturing Process Laboratory												
19ME1005	Computer Aided Drafting												
19ME2018	Robotics and Automation												
19ME2019	Actuators for Automation												

	19ME2020	Drone Technology
	19EC1003	Basic principles of Electrical and Electronics Engineering
	19EC1004	Basic principles of Electrical and Electronics Laboratory
	19EC2066	Internet of Things for Mechanical Systems
	19EC2067	Sensor Technology for Machines
	19CS1001	Programming in Python
	19CS2010	Artificial Intelligence for Mechanical Systems
	19CS2011	Machine Learning and Data Analytics for Machines
	PG	M.Tech. Advanced Manufacturing Technology (AMT)
	19ME3001	Additive Manufacturing and Applications
	19ME3002	Robotics and Automation
	19ME3003	3D Printing Technology
	19ME3004	Smart Materials and Shape Memory Alloys
	19CS3001	Artificial Intelligence in Manufacturing Systems
6	The Board of Studies recommends the ratification of the revised Course curriculum for B.Tech. Mechanical Engineering and M.Tech. Advanced Manufacturing Technology for 2019 Batch.	
7	The syllabus of the various courses were reviewed thoroughly and all the comments and suggestions were included in the <u>new curriculum</u> and the entire syllabus is given in the Annexure-1 .	



Dept. Academic Coordinator



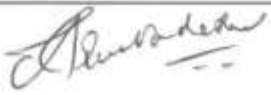









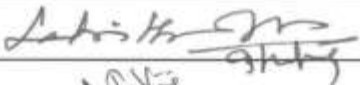



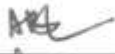
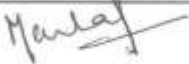



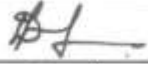



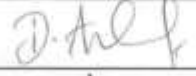


HoD. /Mech

Encl:



1. Syllabus copy as Annexure-1.

KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES
Department of Mechanical Engineering
BOS MEETING - 09.11.2019




S.No	Name	Signature
1	Dr. L. Godson Asirvatham	
2	Dr. V. Sampath Professor, Department of Metallurgical and Materials Engineering, Chennai	
3	Dr. Arun Tom Mathew Associate Professor, Head of the Department, Department of Design and Automation, Vellore Institute Of Technology, Vellore	
4	Dr. Arnalt Stalin Senior Manager, Research and Product Development Air Quality Control System (AQCS), BHEL Ranipet, Vellore	
5	Dr. K. Leo Dev Wins	
6	Dr. D.S. Robinson Smart	
7	Dr. P. Sam Paul	
8	Dr. G. Ganesan	
9	Dr. S. Antony Raja	
10	Dr. R. Raja	 9/11/19
11	Dr. D. Philip Selvaraj	
12	Dr. Rajakumar S. Rai	
13	Dr. Sabitha Jannet	 9/11/19
14	Dr. S.J. Vijay	
15	Dr. Gadudasu Babu Rao	
16	Dr. B. Jefferson Raja Bose	
17	Dr. A. Brusly Solomon	
18	Dr. S. Joseph John Marshal	
19	Dr. M. Wilson Kumar	 9/11/19

20	Dr. Kondru Gnana Sundari	
21	Dr. J. David Rajaselvam	
22	Dr. Lijin George	
23	Dr. H. Sharon	
24	Dr. D. Arul Kirubakaran	
25	Dr. R. Malkiya Rasalin Prince	
26	Dr. Praveen Kumar Bannaravuri	

Special Invities

1	Mr. X. Ajay Vasanth	
2	Mr. S. Mohanasundaram	

Students Representative

1	Konduru Srinivasa Chakravarthy UR16ME030 (Final Mech.)	
2	Jonathan Daniel Rupert UR16ME001 (Final Mech.)	
3	Sharon Topno PRK18ME4004 (II M.Tech. Mech.)	

**Comments of BOS experts on B. Tech. (Mechanical Engineering) and
M. Tech. (Advanced Manufacturing Technology) curricula**

The B. Tech. and M. Tech. Mechanical Engineering curricula offered for 2019 Batch students was reviewed carefully.

The following courses under different categories were reviewed.

- i) Professional Core Courses
- ii) Professional Elective Courses
- iii) Open Elective Courses
- iv) Engineering Science Courses
- v) Basic Science Courses
- vi) Humanities / Social Sciences including Management Courses
- vii) Projects

The syllabi fulfil the AICTE requirements.

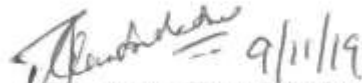
After the review, the following suggestions / comments were made.

1. The Manual Drawing can be replaced by software based drawing.
2. The Additive Manufacturing Laboratory can be included.
3. The curricula are up to date and on par with any other reputed institutions like that of IITs & NITs.
4. The syllabi cater to the industrial requirements.
5. The latest technologies like Artificial Intelligence, Machine Learning, Data Analytics, Robotics and Automation have also been incorporated in the revised curricula.
6. Python programming is to be offered as a core subject for first year B. Tech. students.

The BOS recommends the syllabi can be offered for both B. Tech. and M. Tech. programs from 2019 batch onwards.

 9/11/19

Dr. V. Sampath
Professor,
Department of Metallurgical and
Materials Engineering, IITM,
Chennai

 9/11/19

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Associate Professor,
Head of the Department, Department
of Design and Automation, Vellore
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 9/11/19

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