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## **6 Mechanical Engineering**

- 2016-17 Action Taken Report
- 2017-18 Action Taken Report
- 2018-19 Action Taken Report
- 2019-20 Action Taken Report
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**Action Taken Report for AY 2017-18**

Date: 10 July 2017

The Department of Computer Science and Engineering values the comments made during AY 2016-17 by faculty members, students, Alumni and employers to improve the curriculum for the AY 2017-18 and make it more need-based research and job-oriented. We have addressed some of the suggestions made, and the measures done in this regard are listed in the table below.

Key Feedback Response	Action taken With Reference to IQAC SPP [2017-18]
Certification courses like Software Testing, Web Programming, Java Programming can be incorporated to balance theory and practical	Certification course: Software Testing, Web Programming, Advanced Java Program.
Hackathon events can be conducted to improve the programming knowledge	Branch event: Hackathon, Technofia (Technical event)
Curriculum should meet industrial requirements or Require industrial exposure to students	Industrial Visit to Indian space research organization (ISRO), Satellite Centre (ISAC) and HAL Bangalore
For final year students and pre year students, Industry expert talks can be organised so as to know what is actually needed in the market.	Technical Talk: Big data applications and Processing Tools, Oracle Fusion Cloud Technologies. Empowering Next Generation Professionals Sales force.
Fundamental should be improved and require soft skills training.	Skill training : the personality Development training Group Discussion, Email Writing and Resume Writing

HOD.

Dept. of Computer Science & Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225



# ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

A Unit of Alva's Education Foundation (R)

( Affiliated to Visvesvaraya Technological University, Belagavi

Approved by AICTE, New Delhi & Recognised by Government of Karnataka )

Shobhavana Campus, Mijar, Moodbidri - 574 225, Mangalore, D K , Karnataka State

Phone : 08258-262724 (O), 262725 (P), Telefax 08258-262726

Email : principalaiet08@gmail.com, Web www.aiet.org.in

Ref: AIET/ACA/2017-18/105

Date: 12/05/2017

To,

The Chairman,

Board of Studies (BoS)

Computer Science & Engineering

VTU, Belagavi

Sir,

**Sub:- Curricular Gap Identified of 2010/2015-VTU Syllabus reg.**

With reference to the above cited subject, we hereby enclosed Curricular gap identified w.r.t few courses/subjects of 2010/2015 Scheme V.T.U syllabus in Computer Science & Engineering. We request Chairman and members to consider these curricular gaps in next syllabus revise.

Thanking you

Head of the Department

Computer Science & Engineering  
Alva's Institute of Engineering & Technology  
Mijar, MOODBIDRI - 574 225

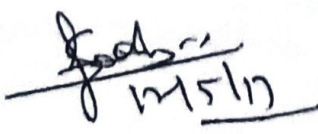

Principal


AIET, Moodbidri  
Alva's Institute of Engineering & Technology  
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### Curricular Gaps and Proposed Suggestions

1. In the Course 10CS65 Computer Graphics, various algorithms for Line drawing and Curve generation are not discussed. We suggest you to consider this in 2015 scheme.
2. In the 10AL61 Management & Entrepreneurship course Industry related administrative concepts like ERP, Supply Chain Management & Micro Enterprises were not discussed in detail. Kindly try to include it in the revised syllabus.
8. In 2010 Scheme 10CS834 Cloud Grid & Clusters, the Virtualization concepts and Security in Cloud was not explained in details. Hence we suggest to include the same in future revised syllabus.
9. In 2010 Scheme 10CS661 Operation Research, PERT CPM Concepts are not discussed. We request you to include the same in revised syllabus.
10. In the Course 10CS35 Discrete Mathematical Structures, Principle of Counting and Graph Theory concepts were not discussed. Hence we suggest you to consider this.
11. 10CS73 Programming the Web, AJAX and JASON concepts are not discussed. Mini projects can be included in the syllabus.
12. 10CS54 Database Management Systems, mini projects can be included in the Laboratory.
13. In 10CS55 Computer Network-I, fundamental concepts of Computer Networks such as Signals, Multiplexing, types of topologies are not discussed. We request you to consider this in revised syllabus.

  
12/5/17  
IQAC Member  
  
12/05/17

  
12/5/17  
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Dept. Of Computer Science & Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOORENORE - 674 225



**Action Taken Report for AY 2018-19**

Date: 24 June 2019

The Department of Computer Science and Engineering values the comments made during AY 2017-18 by faculty members, students, Alumni and employers to improve the curriculum of AY 2018-19 and make it more need-based research and job-oriented. We have addressed most of the suggestions made and the measures done in this regard are listed in the table below

Key Feedback Response	Action taken (WRT: IQAC SPP for AY 2018-19)
Industry oriented courses such as Data Science, Cyber Security can be included.  Certification courses iOS can be conducted to improve Mobile Application Developing skills.  Some hands-on sessions can be conducted for industry specific courses like Machine Learning, Application Development, Data Science etc.	Certification course on Apple iOS, Machine Learning, Data Science and Data Analytics, Cyber Security etc.
Laboratory session is required for Mobile Application Development, IOT.	Certification Course on Mobile App Development using Android Platform. New Lab session named Mobile Application Development course is incorporated in curriculum.
More number of workshops or STTP programs can be included	Workshop on Object Oriented Concepts, Training Program on Open Source Software's Lets Learn LaTeX
Add Soft skills training which helps in their placements	Organised the soft skills events like <ul style="list-style-type: none"><li>• Business Etiquette and Leadership Skills Training</li><li>• Boot Camp training</li><li>• Personality development and Public speaking</li></ul>

HOD

Dr. Manjunath Kotari

H. O. D.

Dept. Of Computer Science & Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225





**Action Taken Report for AY 2019-20**

**Date: 20 Aug 2019**

The Department of Computer Science and Engineering values the comments made during AY 2018-19 by faculty members, students, Alumni and employers to improve the curriculum of AY 2019-20 and make it more need-based research and job-oriented. We have addressed some of the suggestions made, and the measures done in this regard are listed in the table below

<b>Key Feedback Response</b>	<b>Action taken</b> (WRT: IQAC SPP for AY 2019-20)
Some online certification courses can be made mandatory to enhance the industry skills for students.  Certification courses like Python, Machine Learning, Block Chain ,IOT can be introduced.	Workshop on Block Chain Technologies in association with EMURGO, Applications of Python Programming in Data analytics and Machine Learning
Hands-on session may be included for various subjects.	Branch Event Technofia was conducted. Mockthon, Hackthons were organised.
More exposure towards Web Development, Mobile Application Development is needed.	Certification Program on Apple iOS App Development using Swift C Language and XCode.
Provide the knowledge and skills demanded by the IT industries	Workshop on <ul style="list-style-type: none"><li>Block Chain Technologies in association with EMURGO</li><li>How to develop Pythonic coding rather than Python coding – Logic Perspective</li></ul>

**HOD**

**Dr Manjunath Kotari**

**H. O. D.**

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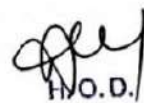


**Action Taken Report for AY 2021-22**

**Date: 08/04/2021**

The Department of Computer Science and Engineering values the comments made during AY 2020-21 by faculty members, students, Alumni and employers to improve the curriculum AY 2021-22 and make it more need-based research and job-oriented. We have addressed some of the suggestions made, and the measures done in this regard are listed in the table below

Key Feedback Response	Action taken (WRT: IQAC SPP [2021-22])
Certification courses related to app development, Data Science etc.	Certification courses on <ul style="list-style-type: none"><li>• Apple iOS app Development.</li><li>• Data Science and Data Analytics</li></ul>
Hands on training sessions can be conducted for Problem Solving Subjects	Conducted Alva's Learnathon Session (Learn and Lead a 9 Days Online Workshop on Problem Solving Techniques)
Industrial visits can be conducted	Industrial Visits – NITK Surthkal CCC ISRO Head Quarters, Bangalore, MCF ISRO, Hassan.
Aptitude and Soft skills training can be conducting to make the students ready for Placements	Aptitude and Soft Skill Training for 3 <sup>rd</sup> year students under Forum C-MANIX event.


  
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Alva's Institute of Engineering & Technology  
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**Action Taken Report for AY 2020-21**

Date: 05/04/2020

The Department of Computer Science and Engineering values the comments made during AY 2019-20 by faculty members, students, Alumni and employers to improve the curriculum AY 2020-21 and make it more need-based research and job-oriented. We have addressed some of the suggestions made, and the measures done in this regard are listed in the table below

Key Feedback Response	Action taken (WRT: IQAC SPP [2020-21])
Certification courses on latest technology like IOT, app development, Java programming must be done.	Certification courses on <ul style="list-style-type: none"> <li>• Java Programming,</li> <li>• Apple iOS app Development.</li> </ul>
Curriculum should meet industrial requirements	Workshop on React JS for Second years and 3 <sup>rd</sup> Year Students.
For final year students or third year students, Industry expert talks can be organised so as to know what is actually needed in the market.	Technical Talk on <ul style="list-style-type: none"> <li>• Image Quality and Applications</li> <li>• Sensors and IOT</li> <li>• Parallel Computing</li> </ul>
Provide the awareness about the industry needs to students.	Event on Networking and Cyber Security, Interaction Session TekSystem by Mr. Srivatsa Najrajaiah

  
**HOD, C.S.E.**  
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Email : principalaiet08@gmail.com, Web: www.aiet.org.in

Ref: AIET/ACA/2020-21/97

Date: 23/10/2020

To,

The Chairman,

Board of Studies (BoS)

Computer Science & Engineering

VTU, Belagavi

Sir,

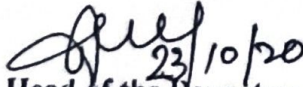
Sub: Suggestions for AIML Scheme of VTU Syllabus- reg

Ref:/ Email dated 20<sup>th</sup> Oct,2020 by Dr.Antony P J,Member BoS

With reference to email of Dr Antony P J, Member BoS-VTU CSE/ISE dated 20<sup>th</sup> Oct,2020, we have hereby enclosed a list of proposed suggestions for some courses of Proposed Artificial Intelligence & Machine Learning 3<sup>rd</sup> & 4<sup>th</sup> year Scheme/Syllabus under Visvesvaraya Technological University, Belagavi.

We highly recommend you to consider the following changes required in new course curriculum by the university.

Thanking you

  
23/10/20  
Head of the Department

Computer Science & Engineering  
Dept.  
Alva's

  
Principal

AIET, Moodbidri

*Cricket - 2 file*  
*Hay*

### Curricular Gaps and Proposed Suggestions

1. Instead of Mathematics for AI & Machine Learning course can be introduced in 5<sup>th</sup> Semester syllabus.
2. Principles of AI, Python Programming and AI Lab is well suited for the AIML Program.
3. The Image Processing is major part of the AIML, hence it can be included as core subjects along with laboratory components.
4. 2010 and 2014 Scheme, the students of the first year learn only basics of C Programming, the basic Data Structure concepts can also be included in the revised syllabus of 2015 scheme.
5. In the 2010 scheme, 3<sup>rd</sup> Semester CSE, Course Name: Object Oriented Programming with C++(10CS36) is having only theory concepts. We suggest BoS members to include the practical aspects of the Object Oriented concepts in same course preferably in 2<sup>nd</sup> Year.
6. Robotic Process Automation course can be included in syllabus to provide the enhanced knowledge in Artificial Intelligence & Machine Learning.

23/10/20

**Training**

**Dr. J. C. ...**

**... Institute ... Technology**

**... 674-223**



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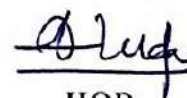
## DEPARTMENT OF CIVIL ENGINEERING

### Action taken Report for AY 2017-18

Date: 12 July 2017

The Department of Civil Engineering values the comments made during AY 2016-17 by faculty members, students, Alumni and employers to improve the curriculum AY 2017-18 and make it more need-based research and job-oriented. We have addressed all of the suggestions made, and the measures done in this regard are listed in the table below

Key Feedback Response	Action taken With Reference to IQAC SPP [2017-18]
3D auto Cad software and ETAB Software required for current industry, please provide certification course on such software	Certificate course on ETAAB and Auto Cad 3D introduced
Placement Training should be provided for final year students	Pre placement training is introduced to final year students
Require industrial exposure to students	Industrial Visit to RMC Plant Mangalore and industrial visit to Idukki dam.

  
HOD

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Dept. of Civil Engineering  
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## DEPARTMENT OF CIVIL ENGINEERING

### Action Taken Report for AY 2018-19

Date: 24 June 2018

The Department of Civil Engineering values the comments made during AY 2017-18 by faculty members, students, Alumni and employers to improve the curriculum of AY 2018-19 and make it more need-based research and job-oriented. We have addressed all of the suggestions made, and the measures done in this regard are listed in the table below

Key Feedback Response	Action taken (WRT: IQAC SPP for AY 2018-19)
Industry Oriented Exposure	Industry visit to Idukki Dam and most of the students sent to internships in varies reputed industries of Civil engineering Field
Invite industry orient persons for technical talk	Technical Talks were organised from Forum of Civil Engineering department by varies experts from industries.
Internship should be provided for final year students	Final Year students were sent to internship to varies industries like NTPC, southern Railway construction. SBR Groups etc.
Job oriented training should be given to final year students	Pre placement training is introduced for final year students of Civil Engineering.

HOD

H.O.D.

Dept. of Civil Engineering

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## DEPARTMENT OF CIVIL ENGINEERING

### Action Taken Report for AY 2019-20

Date: 24 Aug 2019

The Department of Civil Engineering values the comments made during AY 2018-19 by faculty members, students, Alumni and employers to improve the curriculum of AY 2019-20 and make it more need-based research and job-oriented. We have addressed all of the suggestions made, and the measures done in this regard are listed in the table below

Key Feedback Response	Action taken (WRT: IQAC SPP for AY 2019-20)
Placement Training should be provided for final year students	Aptitude training initiated to improve the aptitude solving skills of the student and to improve the confidence level of students
Software like E Survey is helpful for extensive survey	E survey CAD was introduced to prepare the various drawings of extensive survey Camp.
Career opportunities to be provided for final year students	A technical talk included to understand the various opportunities in the civil engineering Fields.
Industrial visit should be done based on subject requirement	Various industrial Visit is planned to improve the subject understanding level of students. Final year student sent to internship to various industries.

  
H.O.D.  
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## DEPARTMENT OF CIVIL ENGINEERING

### Action Taken Report for AY 2020-21

Date: 04/04/2020

The Department of Civil Engineering values the comments made during AY 2019-20 by faculty members, students, Alumni and employers to improve the curriculum AY 2020-21 and make it more need-based research and job-oriented. We have addressed all of the suggestions made, and the measures done in this regard are listed in the table below

Key Feedback Response	Action taken (WRT: IQAC SPP [2020-21])
Provide training course on google spread sheet, Docs etc.	Department initiated training on spreadsheet which helps to design the various structural elements of building. Also initiated training on google docs.
Need Building marking training.	Department has planned to conduct one day workshop on Building centreline marking
Need Industrial visits	Industrial visit to Qcrete RMC Plant and Northern sky properties
Revit Architecture software's should be included in the Certification course	60 hours duration Revit architecture certification course planned for final year students
More practical exposure are required to understand the syllabus	Students of final year were sent to various industries for 45 days of internship Brick work training is planned for students to understand the basic concepts involved in the wall construction
Gate training is required	Gate awareness program is planned by Apex Mangalore

  
H.O.D.  
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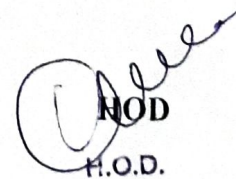


**Action Taken Report for AY 2021-22**

**Date: 08/04/2021**

The Department of Civil Engineering values the comments made during AY 2020-21 by faculty members, students, Alumni and employers to improve the curriculum AY 2021-22 and make it more need-based research and job-oriented. We have addressed all of the suggestions made, and the measures done in this regard are listed in the table below

Key Feedback Response	Action taken (WRT: IQAC SPP [2021-22])
Curriculum should be include modern tools as per the industry requirement.	<ul style="list-style-type: none"> <li>• Department planned to conduct certification course on software's like STAAD Pro, Revit architecture etc.</li> <li>• Planned to use total station for survey camp.</li> </ul>
Practical exposure should be required to understand the subjects	<ul style="list-style-type: none"> <li>• Department initiated QA &amp; QC course for the student of civil engineering department</li> <li>• One day training program on NDT equipment's</li> <li>• One day training programme on brick masonry</li> <li>• Internship for students of final year student in the reputed industry like L&amp;T, Nortghersky, Mothisham etc.</li> </ul>

  
HOD

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## Department of Electronics and communication Engineering

### Action Taken Report for AY 2016-17

Date: 14 June 2017

The Department of Electronics and Communication Engineering values the comments made during AY 2016-17 by faculty members, students, Alumni and employers to improve the curriculum of AY 2017-18 and make it more need-based, research and job-oriented. We have addressed all of the suggestions made, and the measures done in this regard are listed in the table below

Key Feedback Response	Action taken (WRT: IQAC SPP for AY 2017-18)
<ul style="list-style-type: none"><li>• Certification course/ Workshop on Matlab/Simulink, Robotics, advanced processors required</li></ul>	Organised Certification courses on <ul style="list-style-type: none"><li>• MATLAB and Simulink</li><li>• Robotics</li><li>• PCB Beginner's course</li></ul>
<ul style="list-style-type: none"><li>• Industry Visits is required for students to understand the Work culture and latest trends.</li></ul>	Industrial Visit to <ul style="list-style-type: none"><li>• Bharath Electronics Limited (BEL),</li><li>• Central Power Research Institute (CPRI),</li><li>• CENSE LAB IISC</li></ul>

  
HOD

Dr D V Manjunatha

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**Department of Electronics and communication Engineering**

**Action Taken Report for AY 2017-18**

**Date: 20 June 2018**

The Department of Electronics and Communication Engineering values the comments made during AY 2017-18 by faculty members, students, Alumni and employers to improve the curriculum of AY 2018-19 and make it more need-based, research and job-oriented. We have addressed all of the suggestions made, and the measures done in this regard are listed in the table below

<b>Key Feedback Response</b>	<b>Action taken</b> (WRT: IQAC SPP for AY 2018-19)
<ul style="list-style-type: none"><li>Additional courses on programming languages is very much essential to improve the programming skills and for placements.</li></ul>	<p>Organised Certification courses on</p> <ul style="list-style-type: none"><li>Advanced C</li><li>C and Data Structure</li><li>Python Programming</li></ul>
<ul style="list-style-type: none"><li>Software based subjects should be included in electives so that students get exposure to programming languages which is required by the companies.</li></ul>	<ul style="list-style-type: none"><li>Operating system and OOPs using C++ was given as electives to enhance students programming skills.</li></ul>

  
HOD

**Dr D V Manjunatha**

**H. O. D.**

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## Department of Electronics and communication Engineering

### Action Taken Report for AY 2018-19

Date: 20 August 2019

The Department of Electronics and Communication Engineering values the comments made during AY 2018-19 by faculty members, students, Alumni and employers to improve the curriculum of AY 2019-20 and make it more need-based, research and job-oriented. We have addressed all of the suggestions made, and the measures done in this regard are listed in the table below

Key Feedback Response	Action taken (WRT: IQAC SPP for AY 2019-20)
<ul style="list-style-type: none"><li>In microprocessor along with the processors, one should get atleast a glance of microcomputer and some generic boards.</li></ul>	<p>Organised Certification courses on</p> <ul style="list-style-type: none"><li>Advanced C</li><li>C and Data Structure</li><li>Python Programming</li></ul>
<ul style="list-style-type: none"><li>Industry visits is necessary to understand what are the current technologies used, who are their clients, working environment etc.</li></ul>	<ul style="list-style-type: none"><li>Operating system and OOPs using C++ was given as electives to enhance students programming skills.</li></ul>
<ul style="list-style-type: none"><li>Real time application based assignments should be given so that students can apply the knowledge gained in theory classes.</li></ul>	<ul style="list-style-type: none"><li>Simulation based assignment was given to students to improve their skill set and understanding of concepts.</li></ul>
<ul style="list-style-type: none"><li>Subject based mini projects should be included in all semester to gain more practical knowledge.</li></ul>	<ul style="list-style-type: none"><li>Mini-projects were given on some subjects to enhance students knowledge.</li></ul>
<ul style="list-style-type: none"><li>Students should be trained to improve programming skills and to be company ready.</li></ul>	<ul style="list-style-type: none"><li>Boot camp was conducted.</li><li>Certification course on Advanced C, C and Data Structure and Python Programming was conducted.</li></ul>

HOD

Dr D V Manjunatha

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Dept. Of Electronics & Communication  
Alva's Institute of Engg & Technology  
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**Action Taken Report for AY 2019-20**

**Date: 25 November 2020**

The Department of Electronics and Communication Engineering values the comments made during AY 2019-20 by faculty members, students, Alumni and employers to improve the curriculum of AY 2020-21 and make it more need-based, research and job-oriented. We have addressed all of the suggestions made, and the measures done in this regard are listed in the table below

<b>Key Feedback Response</b>	<b>Action taken (WRT: IQAC SPP for AY 2020-21)</b>
<ul style="list-style-type: none"><li>• Upgraded version of processors should be included.</li><li>• Training on web development should be conducted.</li></ul>	<b>Organised Certification courses on</b> <ul style="list-style-type: none"><li>• Introduction to Arduino</li><li>• Embedded Product Design</li><li>• Software Testing</li></ul>
<ul style="list-style-type: none"><li>• Subject based mini-project should be included in every semester.</li></ul>	<ul style="list-style-type: none"><li>• Micro and Mini Projects were made compulsorily for all students.</li></ul>
<ul style="list-style-type: none"><li>• Latest technology such as IoT, Data Science, Advanced Processors, Advanced coding languages should be included in syllabus.</li></ul>	<ul style="list-style-type: none"><li>• Programming in Java and Introduction to DS and algorithm were offered as open electives to the students to improve their programming skills.</li></ul>

**HOD**  
**Dr D V Manjunatha**

**H. O. D.**  
**Dept. Of Electronics & Communication**  
**Alva's Institute of Engg. & Technology**  
**Mijar, MOODBIDRI - 574 225**

**Action Taken Report for AY 2020-21**

**Date: 25 July 2021**

The Department of Electronics and Communication Engineering values the comments made during AY 2020-21 by faculty members, students, Alumni and employers to improve the curriculum of AY 2021-22 and make it more need-based, research and job-oriented. We have addressed all of the suggestions made, and the measures done in this regard are listed in the table below

Key Feedback Response	Action taken (WRT: IQAC SPP for AY 2021-22)
<ul style="list-style-type: none"><li>• VLSI training should be provided.</li><li>• Need training on programming languages.</li></ul>	Organised Certification courses on <ul style="list-style-type: none"><li>• VLSI</li><li>• Introduction to Arduino</li><li>• C and Data Structure.</li></ul>
<ul style="list-style-type: none"><li>• Subject based mini-project should be included in every semester.</li></ul>	<ul style="list-style-type: none"><li>• Micro and Mini Projects were made compulsorily for all students.</li></ul>
<ul style="list-style-type: none"><li>• Latest topics such as IoT, Data Science etc should be included in the syllabus.</li></ul>	<ul style="list-style-type: none"><li>• Students were offered these students through Professional Electives and open Electives</li></ul>



**HOD**

**Dr D V Manjunatha**

**H. O. D,**

**Dept. Of Electronics & Communication  
Alva's Institute of Engg & Technology  
Mijar, MOODSIDRI - 574 225**





**Action Taken Report for AY 2017-18**

**19/Jul/2017**

The Department of Information Science & Engineering values the comments made during AY 2016-17 by faculty members, students, Alumni and employers to improve the curriculum AY 2017-18 and make it more need-based research and job-oriented. We have addressed all of the suggestions made, and the measures done in this regard are listed in the table below.

Key Feedback Response	Action taken
	With Reference to IQAC SPP [2017-18]
Certification Course	Certification Course on ARM7 & KEIL was done for students.
Technical Talks on recent technologies	Technical talks on new technologies like Big Data , JAVA & J2EE Frameworks were conducted to enhance the knowledge of students.
Industrial Visit	Industrial visit to ISRO & HAL , Infosys Global Campus Mysore was conducted
Social activity	AMSA-2016 "A Charitable Fund Raising Event" was organized.



HoD

Mr. Jayantkumar A Rathod

**H.O.D.**

Dept. Of Information Science & Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225



# ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

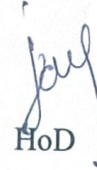
(Affiliated to VTU, Belagavi. Approved by AICTE & Recognized by Government of Karnataka)  
Shobhavana Campus, Mijar - 574225, Moodabidire, Dakshina Kannada, Karnataka, India

## Action Taken Report for AY 2018-19

20/Jun/2018

The Department of Information Science & Engineering values the comments made during AY 2017-18 by faculty members, students, Alumni and employers to improve the curriculum and make it more need-based research and job-oriented. We have addressed all of the suggestions made, and the measures done in this regard are listed in the table below.

Key Feedback Response	Action taken (WRT: IQAC SPP for AY 2018-19)
Certification Course	Certification Course on iOS App Development was conducted.
Technical Talks on recent technologies	Technical talks on new technologies like IoT and its Applications, Network Protocol in Industry, Big Data Analytics, were conducted to enhance the knowledge of students.
Industrial Visit	Industrial visit to ISRO & HAL , and WIPRO Limited was organized.
Social activity	Alvas Film Fest - "A Charitable Fund Raising Event" was organized.
Technical Training	Technical training on NODE JS , JQuery, Angular JS was organized.



HoD

Mr. Jayantkumar A Rathod

H. O. D.

Dept. Of Information Science & Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225





**Action Taken Report for AY 2019-20**

**23/Aug/2019**

The Department of Information Science & Engineering values the comments made during AY 2018-19 by faculty members, students, Alumni and employers to improve the curriculum and make it more need-based research and job-oriented. We have addressed all of the suggestions made, and the measures done in this regard are listed in the table below.

Key Feedback Response	Action taken (WRT: IQAC SPP for AY 2019-20)
Certification Course	Certification Course on Nano Technology was arranged for students.
Technical Talks on recent technologies	Technical talks on new technologies like Data Analytics using R Tool , Microsoft Azure-Cloud Solutions were conducted to enhance the knowledge of students.
Workshops	Introduction to DevOps and Data Engineering in Big Data was conducted for students to expose them to industry requirements.



HoD

Mr. Jayantkumar A Rathod

**H.O.D.**

Dept. Of Information Science & Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225



**Action Taken Report for AY 2020-21**

Date: 08/04/2020

The Department of Information Science & Engineering values the comments made during AY 2019-20 by faculty members, students, Alumni and employers to improve the curriculum AY 2020-21 and make it more need-based research and job-oriented. We have addressed all of the suggestions made, and the measures done in this regard are listed in the table below

Key Feedback Response	Action taken (WRT: IQAC SPP [2020-21])
Certification Course	Certification Course on "Project Management & Report Writing" was arranged for students.
Technical Talks	Technical talk with hands-on session on "C-Programming in C Language" was organized for students to improve their coding skills.
Workshops	Workshop on "React JS" was conducted for students to expose them to industry requirements.
Social Activity	Social Activity on "Awareness Programme on COVID-19" was conducted in the department.

  
H.O.D.

Mr. Jayantkumar A Rathod

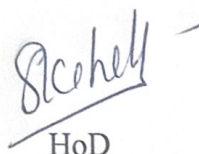
**H. O. D.**Dept. Of Information Science & Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225

### Action Taken Report for AY 2021-22

Date: 08/04/2021

The Department of Information Science & Engineering values the comments made during AY 2020-21 by faculty members, students, Alumni and employers to improve the curriculum and make it more need-based research and job-oriented. We have addressed all of the suggestions made, and the measures done in this regard are listed in the table below

Key Feedback Response	Action taken (WRT: IQAC SPP [2020-21])
Student Development Program	Organized SDP on "Probability and Statistics in Data Science" to make students to understand the importance of Probability and Statistics in Data Science.
Technical Talks	Technical Talk on "Cloud Technologies Microsoft Azure with PSTN" was organized for students which gave exposure of Microsoft Azure in industry.
Workshops	Workshop on "UiPath RPA" was conducted for students to expose them to industry requirements.
Social Activity	Fund raising event "Alva's Film Fest" was organized and collected fund was donated for social cause.



HoD

Prof. Sudheer Shetty

**H.O.D.**

Dept. Of Information Science & Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225





**Alva's Institute of Engineering and Technology,  
Mijar, Moodbidri, Mangalore**

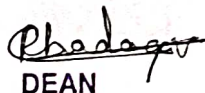
**POST GRADUATE DEPARTMENT OF BUSINESS ADMINISTRATION**

**Action Taken Report – 2016-17**

Date: June 24 2017

The Department of MBA incorporated the comments made by faculty members, students, Alumni and employers to improve the curriculum and make it more need-based research and job-oriented. We have addressed all of the suggestions made, and the measures done in this regard are listed in the table below

Key Feedback Response	Action taken (WRT: IQAC SPP, Ref no. AIET/IQAC/2017-18/ 17 Jun 2017)
Curriculum should be designed to build analytical and critical thinking skills among students	Aptitude classes have started
Curriculum should ensuring professional ethics and positive attitude among the students	Skill Training : The Personality Development Training and Boot camp training from Placement Department is conducted.
Industrial Visit is required	Regular industrial visits are conducted within and outside the district
Make mini project mandatory to all students and implement the research activities knowledge	Mini project has been introduced for 2 <sup>nd</sup> and 3 <sup>rd</sup> Year students
Practical aspects of finance and investments should be taught	ITTC certificate program has been introduced.

  
DEAN

Dept. of Business Administration  
Alva's Institute of Engg. & Technology  
MIJAR – 574 225





**Alva's Institute of Engineering and Technology,  
Mijar, Moodbidri, Mangalore**

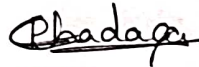
**POST GRADUATE DEPARTMENT OF BUSINESS ADMINISTRATION**

**Action Taken Report – 2017-18**

Date: June 17, 2018

The Department of MBA incorporated the comments made by faculty members, students, Alumni and employers to improve the curriculum and make it more need-based research and job-oriented. We have addressed all of the suggestions made, and the measures done in this regard are listed in the table below

Key Feedback Response	Action taken (WRT: IQAC SPP, Ref no. AIET/IQAC/2018-19/ 17 Jun 2018)
Internships should be increased	Internships and practical assignments included in the curriculum
Soft skills should be improved	Skill Training : The Personality Development Training and Boot camp training from Placement Department is conducted.



DEAN

Dept. of Business Administration  
Alva's Institute of Engg. & Technology  
MIJAR – 574 225





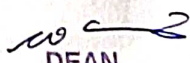
**Alva's Institute of Engineering and Technology,  
Mijar, Moodbidri, Mangalore**  
**POST GRADUATE DEPARTMENT OF BUSINESS ADMINISTRATION**

**Action Taken Report – 2018-19**

Date: 16 June 2019

The Department of MBA incorporated the comments made by faculty members, students, Alumni and employers to improve the curriculum and make it more need-based research and job-oriented. We have addressed all of the suggestions made, and the measures done in this regard are listed in the table below

<b>Key Feedback Response</b>	<b>Action taken</b> (WRT: IQAC SPP, Ref no. AIET/IQAC/2019-20/ 16 Jun 2019)
Practical training programmes should be conducted in Accounting Software	Certificate programmes in Tally and GST are included in the curriculum
Soft skills should be improved	Skill Training : The Personality Development Training and Boot camp training from Placement Department is conducted.
Aptitude training is required	Regular aptitude training classes are conducted for the students as part of the curriculum.

  
DEAN  
Dept. of Business Administration  
Alva's Institute of Engg. & Technology  
MIJAR – 574 225





**Alva's Institute of Engineering and Technology,  
Mijar, Moodbidri, Mangalore**

**POST GRADUATE DEPARTMENT OF BUSINESS ADMINISTRATION**

**Action Taken Report 2019-20**

Date: 16 June 2020

The Department of MBA incorporated the comments made by faculty members, students, Alumni and employers to improve the curriculum and make it more need-based research and job-oriented. We have addressed all of the suggestions made, and the measures done in this regard are listed in the table below

Key Feedback Response	Action taken (WRT: IQAC SPP, Ref no. AIET/IQAC/2020-21/ 16 Jun 2020)
More Case studies to be included in curriculum	All courses in the program have increased the number of case discussions and practical orientation.
Soft skills should be improved	Skill Training : The Personality Development Training and Boot camp training from Placement Department is conducted.
Aptitude training is required	Regular aptitude training classes are conducted for the students as part of the curriculum.

  
DEAN

Dept. of Business Administration  
Alva's Institute of Engg. & Technology  
MIJAR - 574 225





**Alva's Institute of Engineering and Technology, Mijar,  
Moodbidri, Mangalore**

**POST GRADUATE DEPARTMENT OF BUSINESS ADMINISTRATION**

**Action Taken Report – 2020-21**

Date: 16 June 2021

The Department of MBA incorporated the comments made by faculty members, students, Alumni and employers to improve the curriculum and make it more need-based research and job-oriented. We have addressed all of the suggestions made, and the measures done in this regard are listed in the table below

Key Feedback Response	Action taken (WRT: IQAC SPP, Ref no. AIET/IQAC/2021-22, 16 Jun 2021)
Training for ITTC required	ITTC Training conducted introduced as a mandatory paper for all Finance students so as to enable them to gain exposure to International Taxation
Soft skills should be improved	Skill Training : The Personality Development Training and Boot camp training from Placement Department is conducted.
Aptitude training is required	Regular aptitude training classes are conducted for the students as part of the curriculum.

DEAN

Dept. of Business Administration  
Alva's Institute of Engg. & Technology  
MIJAR – 574 225



# ALVAS INSTITUTE OF ENGINEERING AND TECHNOLOGY

Shobhavana Campus, Mijar

## DEPARTMENT OF MECHANICAL ENGINEERING

### Action Taken Report for AY 2017-18

Date: 12 July 2017

The Department of Mechanical Engineering values the comments made during AY 2016-17 by faculty members, students, Alumni and employers to improve the curriculum AY 2017-18 and make it more need-based research and job-oriented. We have addressed all of the suggestions made, and the measures done in this regard are listed in the table below

Key Feedback Response	Action taken
	With Reference to IQAC SPP [2017-18]
Need personal development skills and courses	Skill training : the personality Development training Group Discussion, Email Writing and Resume Writing
Awareness on industry safety measure	Certificate course on Industrial safety Engineering, Fire safety in Industry and Safety measure in laboratories.
Require industrial exposure to students	Industrial Visit to SKF boilers and Driers pvt ltd, Lamina Foundries Ltd and Udupi power corporation Automotive Industry simulation Internship
Students should involve research activities to know the depth of the curriculum	Mini project as been introduced for 2 <sup>nd</sup> and 3 <sup>rd</sup> Year students and Students are guided prepare a review paper. IPR program on Patents and trademarks How to write a technical paper

HOD

Prof K.V Suresh

H. O. D.

Dept. Of Mechanical Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI -574 225





# ALVAS INSTITUTE OF ENGINEERING AND TECHNOLOGY

Shobhavana Campus, Mijar

## DEPARTMENT OF MECHANICAL ENGINEERING

### Action Taken Report for AY 2018-19

Date: 24 June 2018

The Department of Mechanical Engineering values the comments made during AY 2017-18 by faculty members, students, Alumni and employers to improve the curriculum of AY 2018-19 and make it more need-based research and job-oriented. We have addressed all of the suggestions made, and the measures done in this regard are listed in the table below

Key Feedback Response	Action taken (WRT: IQAC SPP for AY 2018-19)
Add Soft skills training which helps in their placements	Organised the soft skills events like <ul style="list-style-type: none"><li>• Business Etiquette and Leadership Skills Training</li><li>• Boot Camp training</li><li>• Personality development and Public speaking</li></ul>
Need certificate course like 3D Printing, Catia	Certification courses <ul style="list-style-type: none"><li>• Additive Manufacturing &amp; 3d Printing</li><li>• Catia V5 training</li><li>• Ansys</li></ul>
Give us exposure to industry work environment	Industrial visit to <ul style="list-style-type: none"><li>• GWASF Quality Castings (P) Ltd. Baikampad</li><li>• Varahi Hydro Power Plant, Hosangadi, Udupi district</li></ul>
Students should be incorporate into research activities and Research methodologies	Workshop on Research and Publications <ul style="list-style-type: none"><li>• how to write a technical paper for conference &amp; journal</li><li>• Research Design and Data Collection</li></ul>



HOD

Prof K.V Suresh

H. O. D.

Dept. Of Mechanical Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225



# ALVAS INSTITUTE OF ENGINEERING AND TECHNOLOGY

Shobhavana Campus, Mijar

## DEPARTMENT OF MECHANICAL ENGINEERING

### Action Taken Report for AY 2019-20

Date: 24 Aug 2019

The Department of Mechanical Engineering values the comments made during AY 2018-19 by faculty members, students, Alumni and employers to improve the curriculum of AY 2019-20 and make it more need-based research and job-oriented. We have addressed all of the suggestions made, and the measures done in this regard are listed in the table below

Key Feedback Response	Action taken (WRT: IQAC SPP for AY 2019-20)
Need workshop on latest technology related to real world	Workshop on <ul style="list-style-type: none"><li>Electrical Vehicle Technology and Engine Electronics</li><li>Advance Ceramics for Engineering applications</li></ul>
Add aptitude classes for the students apart from curriculum	Face Aptitude training and test Basic Fundamental Brush up and Online test
Students must expose to work environment at Industry	Industrial Visit to <ul style="list-style-type: none"><li>Lamina Foundry, NITTE</li><li>Harita Fehrer , Mysore</li><li>TVS Motor company , Mysore</li></ul>

HOD

Dr Satyanarayan

Asst. Prof. Of Mechanical Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225





# ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

A Unit of Alva's Education Foundation (R)

( Affiliated to Visvesvaraya Technological University, Belagavi

Approved by AICTE, New Delhi & Recognised by Government of Karnataka )

Shobhavana Campus, Mirar, Moodbidri - 574 225, Mangalore, D.K., Karnataka State

Phone : 08258-262724 (O), 262725 (P), Teletax 08258-262726

Email : principalalet08@gmail.com, Web www.alet.org.in

Ref: AIET/ACA/2019-20/63

Date: 12/08/2019

To,

**The Chairman,**  
Board of Studies (BoS)  
Mechanical Engineering  
VTU, Belagavi

**Sub:** Proposed suggestions for Proposed Syllabus 2018- Scheme of VTU Syllabus- reg

With reference to the above cited subject, we have hereby enclosed a list of curricular gaps and the proposed suggestions for some courses in of proposed 2018 Scheme/Syllabus of Mechanical Engineering board of Visvesvaraya Technological University, Belagavi.

We highly recommend you the following changes in the list and request you to consider those during the revision of the curriculum and syllabus by the university.

Thanking you

  
**Head of the Department**  
**Mechanical Engineering**  
**H.O.D.**

Dept. Of Mechanical Engineering  
Alva's Institute of Engg. & Technology  
Mirar, MOODBIDRI - 574 225

  
**Principal**  
**AIET, Moodbidri**  
**PRINCIPAL**

Alva's Institute of Engg & Technology,  
Mirar, MOODBIDRI - 574 225, D.K

### **Curricular Gaps and Proposed Suggestions**

1. In 2018-19 scheme, Refrigeration and Air Conditioning (18ME642), & Automation and Robotics (18ME732) is offered as professional elective course. Since these subjects are required for all the students for innovative projects and Placements. We suggest the board to consider it as Core Course during the revision of syllabus & scheme.
2. In the present scenario, world is moving toward the Hybrid Electric vehicles. We suggest BOS team to include Hybrid Eclectic vehicle course as per the current trends of the industry requirements during the revision
3. As per the current scenario, Piping design and engineering, Supply chain management and Nano technology subjects are required for the students. Hence we suggest BOS team member to add above subject as professional elective courses during the revision.
4. In Computer Aided Design and Manufacturing (18ME72), we suggest BOS members to add content on programming advanced CNC multi-axis machines, setting of tools, machine limits, capabilities, and safety.






**ALVAS INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
Shobhavana Campus, Mijar  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**Action Taken Report for AY 2020-21**

Date: 04/04/2020

The Department of Mechanical Engineering values the comments made during AY 2019-20 by faculty members, students, Alumni and employers to improve the curriculum AY 2020-21 and make it more need-based research and job-oriented. We have addressed all of the suggestions made, and the measures done in this regard are listed in the table below

Key Feedback Response	Action taken (WRT: IQAC SPP [2020-21] )
Curriculum should be include industry relative subject and software.	Technical Talk on <ul style="list-style-type: none"><li>• Introduction on Plant Engineering , Nuclear Industry with CADMATIC Plant Design software</li><li>• Non Destructive Testing for quality Manufacturing</li><li>• Awareness about CAE software</li><li>• Project Management</li></ul>
Curriculum should be revised to latest development	One day online FDP from "Recent Developments in Tools, Technologies and Materials in Mechanical Engineering".
Provide the awareness about the industry needs to students	Awareness program introduced for students and Faculties <ul style="list-style-type: none"><li>• What Industry needs from Engineering graduates</li><li>• Job Opportunities for Mechanical Engineering Graduates</li><li>• Scope and analysis Advantages software's for Mechanical Engineering graduates</li></ul>

  
**HOD**  
**Dr Satyanarayan**  
H. O. D.

Dept. Of Mechanical Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225

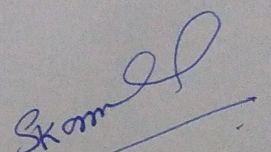


**Action Taken Report for AY 2021-22**

**Date: 04/04/2020**

The Department of Mechanical Engineering values the comments made during AY 2020-21 by faculty members, students, Alumni and employers to improve the curriculum AY 2021-22 and make it more need-based research and job-oriented. We have addressed all of the suggestions made, and the measures done in this regard are listed in the table below

<b>Key Feedback Response</b>	<b>Action taken</b> WRT: IQAC SPP [2021-22]
Curriculum should be include industry relative subject and software.	CATIA & CNC programming are common courses running every years , with that newly added course are listed below <ul style="list-style-type: none"> <li>• Ansa Training program</li> <li>• Piping Design workshop</li> <li>• 3D printing Hands on training</li> </ul>
Curriculum should be revised to latest development	<ul style="list-style-type: none"> <li>• Training on Material testing and Microstructure of Material</li> <li>• Technical talks on Metal matrix composites, EV- technology, Smart materials and MEMS in industrial Automation</li> </ul>
Provide the awareness about the industry needs to students	<ul style="list-style-type: none"> <li>• TKM training Program</li> </ul>



**HOD**

**Dr. Satyanarayan**

**H.O.D.**

Dept. Of Mechanical Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225