



# **INSTITUTE OF AERONAUTICAL ENGINEERING**

**(Autonomous)**


**Dundigal - 500 043, Hyderabad, Telangana**

**2019 - 2020**

## DEPARTMENT OF AERONAUTICAL ENGINEERING

### Stakeholders feedback action taken report Academic year: 2019 - 2020

S.No	Feedback given by	Feedback / Suggestions	Action Taken	Evidence
1	Employer	Aptitude training is required	The Career Development Centre (CDC) conducts aptitude test regularly and special training program by internal as well as external experts.	Placement statistics
		Needs to improve basic knowledge of engineering	More focus will be given on fundamentals courses especially programming, dedicated hours are allotted in the timetable, students are handed over to Career development centre team, where students can be trained on Build-IT platform.	Bos minutes and R18 curriculum
2	Alumni	Electives offered in relation to the technological	Based on feedback received by the alumni, Curriculum contains set of professional elective course, where student have choice to select	Bos minutes and R18 curriculum
		Programming language courses should be taught by live examples or practical problems	Career development centre conducts various training programs by giving real time examples. On some programs expert lectures are conducted which can help the students go get practical exposure	Bos minutes and R18 curriculum
3	Students	Skill enhancement and flexibility to do multidisciplinary projects	It is mandatory to all the students to undergo field project / field practicum / internships / in-plant training during their B.Tech program and also provision is available for the students to take up FSI program at the industry / research laboratory programs to solve the real time industry problems.	Bos minutes and R18 curriculum
		More training is required to get knowledge on programming	Skill enhancement training programs like SkillUp / SkillBridge are introduced by Career development centre so students can improve their programming skills	Career development activities
4	Faculty	Value – added courses to be included	For the development of employable and life skills, Institute conducts learning certification courses like Material testing, Explicit Simulation with LS Dyna etc.	Bos minutes and R18 curriculum
		More choices to be given to the students for the selection of electives	Number of professional and open elective courses are offered for the students, which can help the students to get inter and intra disciplinary knowledge.	Bos minutes and R18 curriculum

  
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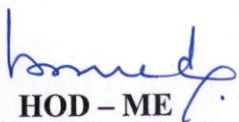
  
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## DEPARTMENT OF MECHANICAL ENGINEERING

### Stakeholders feedback action taken report Academic year: 2019 - 2020

S.No	Feedback given by	Feedback / Suggestions	Action Taken	Evidence
1	Employer	More Emphasis on Problem Solving and Critical Thinking	Problem solving and critical thinking questions are the integral part of all the courses. Tutorial question banks are prepared which contains short Problem solving and critical thinking and long answer questions to emphasize this issue.	Course full stack
		Students have to improve communication skills	Special training programs on Verbal and English communications by internal members are conducted by Career Development Centre (CDC). These programs help the students to improve communication skills	Career development center activities
2	Alumni	Training programs must be included to make students ready to face challenges to get job	Career Development Centre (CDC) conducted training classes on aptitude, verbal and reasoning, and programming to the students which will help the students get the core jobs.	Career development center activities
		More placements and good communications skills required	Special training programs are scheduled and conducted for improving the communication skills	Career development center activities
3	Students	More GATE related courses need to be included in the syllabus	The curriculum is designed as per the JNTUH and AICTE model curriculum and many students are GATE qualified in general and consistently top 100 ranks. Special training programs are conducted which are part of the GATE syllabus. Prerana Scheme have been sanctioned by AICTE to impart training for SC / ST students	Higher education statistics
		Advanced labs related to 3D printing should be added	Course like Additive Manufacturing Technology was included in the curriculum where students can get adequate knowledge on how to use 3D printing machine.	Bos minutes and R18 curriculum
4	Faculty	More choices for the given the students for selection of electives	To make students gain knowledge in multi-disciplinary aspects, the number open electives offered to the students, where they can get the opportunity to study other branch courses.	Bos minutes and R18 curriculum
		More skill lab courses implemented	Based on feedback received by the faculty skill course labs were introduced for making students well versed with the latest industry relevant software	Bos minutes and R18 curriculum
		Encourage the students towards internships and more practical orientation	Based on the input received by the faculty, internships are introduced to impart the practical application knowledge in students	Bos minutes and R18 curriculum

  
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## DEPARTMENT OF CIVIL ENGINEERING

### Stakeholders feedback action taken report Academic year: 2019 - 2020

S.No	Feedback given by	Feedback / Suggestions	Action Taken	Evidence
1	Employer	Fundamental subject should be strong and include programming courses	To improve the programming skills of the students Build-IT platform designed. By using this platform students can practice and do more programs which can help to improve their programming skill. More programming courses are included in the curriculum like Python programming, Data Structures, Advanced Python programming, java programming Fundamentals of Database systems etc.	Bos minutes and R18 curriculum
2	Alumni	The curriculum has enabled most of them to meet the job opportunities and secure placements in reputed companies	Institute have career development centre (CDC), which consists Skillup and SkillBridge programs from IV semester onwards, so students can get benefited and ready to face challenges in placements	Campus placement statistics
		The curriculum is up to date and relevant from the point of view of employability	New courses and professional elective courses are introduced which can meet the local, global and industry needs	Bos minutes and R18 curriculum
3	Students	Better to include more research-based courses	In order to cope up with market demands and equip the students Experiential Learning (ExL) power skill course are	Bos minutes and R18 curriculum
		Need more industrial visits for real -world exposure is required	Industrial visit are encouraged to the students, institute have MoUs with MSME - CITD, NSIC, and NRDC. These visits are conducted and monitored by industry institute interaction centre (IIIC).	Institute collaborative activities
4	Faculty	More software coding-oriented courses to be included	Programming courses like Python programming, Data Structures, Advanced Python programming, Object oriented programming languages are included in the currilum which can benefit the students for getting employability.	Bos minutes and R18 curriculum
		More skill labs courses implemented	Advanced skill enhancement training will be given by Career development centre on Build-IT platform	Bos minutes and R18 curriculum

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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Stakeholders feedback action taken report  
Academic year: 2019 - 2020**

S.No	Feedback given by	Feedback / Suggestions	Action Taken	Evidence
1	Employer	Adequate flexibility available in the choice of the students	Students have flexibility to choose professional electives and also have a choice to select open electives of branches courses, and these are included in the curriculum	Bos minutes and R18 curriculum
		Engineering fundamentals to be strong and should include in the curriculum	More focus will be given on core courses and in laboratories advanced concepts are discussed and also provide support to do real time problems which will help the students to their employability.	Bos minutes and R18 curriculum
2	Alumni	Curriculum facilitates development of analytical / problem solving / critical thinking and innovative skills	Curriculum is designed in such way that it facilitates the students to acquire skills by participating various coding contest	Bos minutes and R18 curriculum
		Training is required to the students which will help them to place in different core sector industries.	Company specific training programs are conducted by Career Development Centre (CDC), which will help the students to get jobs in their core companies	Career development activities
3	Students	Skill based courses will help them to get the knowledge on advanced research	Based on the input received by the students, skill based courses like 1. ExL – Academic Success 2. ExL – Prototype / Design Building 3. ExL – Fabrication / Model Development 4. ExL – Project Based Learning 5. ExL – Research Based Learning are part of the curriculum, which will help them to do advanced research.	Bos minutes and R18 curriculum
		Need to include more text books, reference books and e-resources for the courses in the library	Library consists of rich text of text books, reference books and e-books, which can help the students gain knowledge and they have facility to read latest magazines and e-material online	Bos minutes and R18 curriculum
4	Faculty	Curriculum should include application-oriented courses as professional and open elective courses	Based on the input received by the faculty members, more choice are given to the students to select professional and open elective courses.	Bos minutes and R18 curriculum
		The curriculum is up to date and relevant from the point of view of employability	Curriculum is revised after every two years, which consists of all latest courses which meets local, global and industry standards, it support students to improve technical and interaction and skills of the students.	Bos minutes and R18 curriculum

  
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# DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## Stakeholders feedback action taken report Academic year: 2019 - 2020

S.No	Feedback given by	Feedback / Suggestions	Action Taken	Evidence
1	Employer	Aptitude training is required	The Career Development Centre (CDC) conducts aptitude test regularly and special training program by internal as well as external experts.	Career development activities
		Students have to improve communication skills	Special training programs are scheduled and conducted for improving the communication skills by career development centre	Career development activities
2	Alumni	Provide course related information well in advance before commencement of the classes for all the students	It is mandatory to prepare course full stack for the all courses well in advance and uploaded in Akanksha (Learning Management Systems) portal along with lecture notes.	Bos minutes and R18 curriculum
		Electives offered in relation to the technological advancements	Advanced professional elective courses are introduced which can meet the local, global and industry needs	Bos minutes and R18 curriculum
3	Students	The courses enhance the analytical / problem solving / critical thinking / innovative skills	To enhance the knowledge of the students, tutorial question bank is prepared for all the courses which consists of problem solving and critical thinking questions.	Bos minutes and R18 curriculum
		Usage of teaching and ICT in the class by faculty to facilitate teaching	To encourage the digital learning, all the classrooms are equipped with ICT enabled facilities	Bos minutes and R18 curriculum
4	Faculty	Advanced courses need to be included in curriculum	Advanced course like Power System Analysis, Electrical Measurements and Instrumentation, Power System Operation and Control etc. Branch related professional elective courses are included in the curriculum which can help the students in their placement	Bos minutes and R18 curriculum
		Sufficient practical exposure is provided for the theoretical concepts in the courses.	Laboratories are divided into short and long. Where long labs contain elaborated experiments which are related to meet real life problem. Students can get more awareness by doing long and short labs experiments.	Bos minutes and R18 curriculum

  
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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**Stakeholders feedback action taken report  
Academic year: 2019 - 2020**

S.No	Feedback given by	Feedback / Suggestions	Action Taken	Evidence
1	Employer	Suggestion to strengthen the communication skills	English communication training programs are scheduled and organized by Career Development Centre (CDC) for the students to improve their communication skills. Schedule released by the CDC and instructions were given and made them to participate in academic related programs that helped them improve their communication skills.	Career development activities
		Courses that focus on application of domain specific knowledge in new context and develop entrepreneurial / employable skills to be offered	Value added courses handled by academic / industry expert are offered outside the curriculum through online / offline mode based on the requirement. Industry- academia connects ensured through Webinars, online guest lectures, conclave and training programs	Value added courses
2	Alumni	Curriculum enables the graduates to take up leadership and managerial roles	Curriculum contain courses which focus on skill and employability-based courses which enables the graduates to take up leadership and managerial roles.	Bos minutes and R18 curriculum
		Suggestions for more focus on interdisciplinary activities in many courses	Honours / Minor programs are introduced to address this issue.	Bos minutes and R18 curriculum
3	Students	Curriculum should add advanced courses related to intra and inter disciplinary	Based on the input received by the students, courses like R programming, Graph theory etc are included in the curriculum, and also students have a flexibility to choose different professional, open elective courses offered by the other branches.	Bos minutes and R18 curriculum
		Additional activities aimed at skill development	Planning to organizing skills refined through the conduct of workshops, competitions, seminars and co-curricular/extra-curricular activities	Bos minutes and R18 curriculum
4	Faculty	Skill set has to be improved to meet industrial requirement and need to be more focus on practical oriented courses	Based on the input received by the faculty members, advanced skill set is required in the curriculum to enhance the employability of engineering graduates like – Python programming, R Programming, java full stack development and rich of professional electives courses are included in the curriculum	Bos minutes and R18 curriculum
		Advanced courses are included in the curriculum	Advanced programming courses are included and special training programs are going to be start in 3 <sup>rd</sup> year onwards.	Bos minutes and R18 curriculum
		Suggested to increase more number of reference books	Adequate number of textbooks, reference books are made available in central library. Students can access magazines, e-books to improve their skills.	Bos minutes and R18 curriculum

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## DEPARTMENT OF INFORMATION TECHNOLOGY

### Stakeholders feedback action taken report Academic year: 2019 - 2020

S.No	Feedback given by	Feedback / Suggestions	Action Taken	Evidence
1	Employer	The syllabus helps in bridging the gap between industry and academia	Curriculum is designed in such way that, it includes all the latest courses which helps in bridging the gap between industry and academia	Bos minutes and R18 curriculum
		Opportunity to get technical training from the expert	Career development centre conducts technical training programs on latest technologies from internal and external expert members, which will help the students to enhance their skills.	Bos minutes and R18 curriculum
2	Alumni	Experiential, Project based and research-based learning may be introduced in the curriculum	Based on feedback received by the alumni, skill enhance courses are introduced in the curriculum. It consist of the following skill based courses 1. ExL – Academic Success 2. ExL – Prototype / Design Building 3. ExL – Fabrication / Model Development 4. ExL – Project Based Learning 5. ExL – Research Based Learning which will help them to do advanced research.	Bos minutes and R18 curriculum
3	Students	Placement training sessions should be conducted from third year on	To encourage advanced learners, special training programs SkillUp / Skill Bridge are conducted and it is a part of curriculum and encourages the students from third year onwards at institute level to improve the employability.	Bos minutes and R18 curriculum
		Sufficient practical exposure is provided for the theoretical concepts in the courses	Institute developed Build-IT platform, where students can get sufficient practical experience by participating various Hackathons, Ideathon conducted by the Career Development centre	Institute placements and training programs conducted by the CDC cell
4	Faculty	Adequate exposure is provided to the relevant software	Periodically faculty development programs are organized in the department, so faculty can benefited, training sessions are conducted by the external members so faculty get benefited	Bos minutes and R18 curriculum
		Need to use ICT enabled tools	ICT teaching learning methods were introduced to take up new way of learning. Elearning readiness videos (ELRV) are available for the students which can help them to self study	Bos minutes and R18 curriculum

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