



# **INSTITUTE OF AERONAUTICAL ENGINEERING**

**(Autonomous)**

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

**2017 - 2018**

**DEPARTMENT OF AERONAUTICAL ENGINEERING**

**Stakeholders feedback action taken report  
Academic year: 2017 - 2018**

S.No	Feedback given by	Feedback / Suggestions	Action Taken	Evidence
1	Employer	Training required to improve analytical and coding skills.	Aptitude skills have become an integral part of all recruitment processes. The Career Development Centre (CDC) conducts aptitude test regularly and special training program conducted by internal aptitude trainer. Training contains Numeric abilities, logical, critical and verbal reasoning along with the problem-solving capabilities of the students.	Placement statistics
		Practical exposure is required to the students	Based on the feedback received from the employer, Skill enhancement laboratories like Research and content development, and Ideation and Product Development are introduced in the curriculum from 3 <sup>rd</sup> year students. Which imparts practical application knowledge to the students.	Bos minutes and R 16 curriculum
2	Alumni	Electives offered in relation to the technological	Based on feedback received by the alumni, Curriculum consists of professional elective course, where student have choice to select	Bos minutes and R 16 curriculum
		Programming language courses should be taught with live examples or practical problems	Career development centre conducts technical training programs. Expert training / lectures are conducted which can help the students go get more practical exposure and enhance their skill set.	Placement statistics
3	Students	Students access to research labs beyond the academic hours	To promote research culture among students and for final year project works, institute allows the students utilize the laboratory and research facilities beyond the working hours by visiting centre of excellence.	Bos minutes and R 16 curriculum
		More practice sessions on coding required	Build-IT platform is devised for coding and students are encouraged to participate in the national level hackathon.	Bos minutes and R 16 curriculum
4	Faculty	Value – added courses to be included	For the development of employability and life skills, department conducts classes on value added courses beyond working hours. By learning value added courses students can enhance their skills.	Bos minutes and R 16 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 R 16 curriculum

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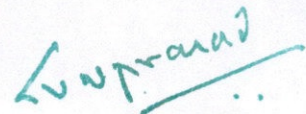
**DEPARTMENT OF MECHANICAL ENGINEERING**

**Stakeholders feedback action taken report  
Academic year: 2017 - 2018**

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. The Tutorial question banks are prepared which contains short Problem solving and critical thinking and long answer questions to emphasize this issue.	Bos minutes and R 16 curriculum
		Needs improvement in communication skills and also practical exposure is required to the students	SDD has taken a new initiative to enhance the language skills of each student. Proficiency in English language is absolutely essential for securing suitable employment, qualifying different competitive exams and performing well at academics. a very elaborate program has been designed to improve the linguistic skills of the students.	Bos minutes and R 16 curriculum
2	Alumni	More focus on practical oriented topics	Special focus will be taken on practical oriented courses department wise. Hands-on training sessions are organized in the department level where students can enhance their practical skills.	Bos minutes and R 16 curriculum
		Training programs must be included to make students ready to face challenges in the interview to get job	Career Development Centre (CDC) conducted training classes on aptitude, verbal and reasoning, and programing to the students which will help the students get the core jobs.	Placement statistics
3	Students	Needs more industrial visits or field visits for real world exposure	Encourage the students to meet with external experts where students can get real world exposure. Students can also have facility to do internships in reputed organizations.	Internships and field projects
		The curriculum is up to date and relevant from the point of view of employability	Based on the feedback received by the students modifications done and advanced courses are introduced and rich set of professional elective courses are introduced from 3 <sup>rd</sup> year onwards, which will give more focus employability	Bos minutes and R 16 curriculum
4	Faculty	More skill lab courses and elective courses should be included in the curriculum in relation to the technological advancements	Based on feedback received by the faculty skill related laboratory courses are introduced in the curriculum and also provide flexibility to select professional and open elective courses	Bos minutes and R 16 curriculum
		Encourage the students towards value added courses	Based on the input received by the faculty, department conducts value added courses beyond working hours which enable the students to enhance their skills	Value added courses report

  
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**DEPARTMENT OF CIVIL ENGINEERING**

**Stakeholders feedback action taken report  
Academic year: 2017 - 2018**

S.No	Feedback given by	Feedback / Suggestions	Action Taken	
1	Employer	Should give more focus to improve programming skills	To improve the programming skills, Build-IT platform is designed. Career development centre (CDC) provides technical training to the students where students can enhance their technical skills, which help them to participate in various coding contest.	Placement statistics
		Needs to improve communication skills and better understanding of engineering fundamentals	CDC has taken a new initiative to enhance the language skills of each student. Proficiency in English language is absolutely essential for securing suitable employment, qualifying different competitive exams and performing well at academics. Keeping these objectives in mind, a test was conducted. It was found out that a very large number of students required supplementary remedial English classes. Therefore, a very elaborate program has been designed to improve the linguistic skills of the students.	Placement statistics
2	Alumni	Training programs must be included to make students ready to face interviews.	Job oriented training programs on aptitude, English and programming languages are conducted by CDC, which will make the students ready to face interviews.	Bos minutes and R 16 curriculum
		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 R 16 curriculum
3	Students	Sufficient practical exposure is provided for the theoretical concepts in the courses	Based on the feedback received by the students advanced courses are included in the curriculum Guest lectures and hands on training sessions are conducted at the department level so students can acquire more practical skills	Bos minutes and R 16 curriculum
		Need more industrial visits for real -world exposure is required	Industrial visit is encouraged to the students, institute have MoUs with MSME - CITD, NSIC, and NRDC. These visits are conducted and monitored by industry institute interaction centre (IIC).	Bos minutes and R 16 curriculum
4	Faculty	Curriculum, syllabus and the sequence of the courses in the curriculum are need to well defined and balanced	Curriculum consists of courses along with syllabus are in sequence and are well balanced like core, skill, professional and open electives courses	Bos minutes and R 16 curriculum
		The course objectives and outcomes are stated for each of the course	Before commencement of the class work, course objectives and course outcomes are clearly stated by indicated Blooms level for all the courses and the details are uploaded onto the website.	Bos minutes and R 16 curriculum

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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Stakeholders feedback action taken report  
Academic year: 2017 - 2018**

S.No	Feedback given by	Feedback / Suggestions	Action Taken	Evidence
1	Employer	Computer programming related courses need to be included in the curriculum	Based on the feedback received by the employer programming courses introduced in the curriculum which will benefit the students in their campus placement.	Placement statistics
		Needs improvement in communication skills and better understanding of engineering fundamentals	Career development centre (CDC) conducts training programs on communication skills are scheduled and conducted for improving the communication skills which will help in placements.	Placement statistics
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 contests	Bos minutes and R 16 curriculum
		Training is required to the students which will help them to place in different core industries.	Company specific training programs are conducted by Career Development Centre (CDC), which will help the students to get jobs in their core companies	Placement statistics
3	Students	Students access to research labs beyond the academic hours	To promote research culture among students and for final year project works, institute allows the students utilize the laboratory and research facilities beyond the working hours.	Bos minutes and R 16 curriculum
		Advance skill-based laboratories to be included in curriculum	Based on the feedback received from the students, Skill enhancement laboratories like Research and content development, and Ideation and Product Development are introduced in the curriculum for 3 <sup>rd</sup> year students. Which imparts practical application knowledge to the students.	Bos minutes and R 16 curriculum
		Sufficient practical exposure is provided for the theoretical concepts in the courses	Build-IT platform is devised for coding and students are encouraged to participate in the national level hackathon.	Bos minutes and R 16 curriculum
4	Faculty	Use of modern content delivery methods	Institute taken initiative to modernize all the classrooms phase by phase to provide ICT enabled facilities.	Bos minutes and R 16 curriculum
		Add real time application-oriented subjects as an open elective and professional electives	Curriculum contains rich set of professional and open elective courses, where students have flexibility to choose and also have choice to select open elective courses of other branches.	Bos minutes and R 16 curriculum



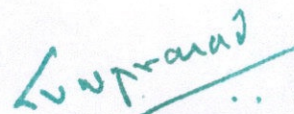
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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**Stakeholders feedback action taken report  
Academic year: 2017 - 2018**

S.No	Feedback given by	Feedback / Suggestions	Action Taken	Evidence
1	Employer	Students have to improve communication skills	Special training programs are scheduled and conducted for improving the communication skills by career development centre	Placement statistics
		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
2	Alumni	Need to provide job opportunities and secure placements in reputed companies	Special training programs like Skillup and SkillBridge will be organized by career development centre. The training programs will help the students to get more job opportunities	Placement statistics
		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.	Course full stack
3	Students	The courses enhance the analytical / problem solving / critical thinking /	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 R 16 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 R 16 curriculum
4	Faculty	Curriculum, syllabus and the sequence of the courses in the curriculum are well defined and balanced and also add advance courses	Curriculum is designed in such way that consist of all core, skill, professional and open elective courses. For specific department advanced course like Power System Analysis, Electrical Measurements and Instrumentation, Power system protection are included which can help the students to enhance their skills in advanced courses	Bos minutes and R 16 curriculum
		Sufficient number of relevant reading materials and digital resources are available in the Library	It is mandatory to prepare course full stack was all the courses, all the documents are thoroughly verified and uploaded onto the website. Elearning Readiness Videos (ELRV) are also available for courses, where students can view and enhance their skills. In the central library e-content material and e-books are available to facilitate the students.	Bos minutes and R 16 curriculum

  
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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**Stakeholders feedback action taken report  
Academic year: 2017 - 2018**

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.	Placement statistics
		Courses need to be 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 offline mode based on the requirement. Industry- academia connects ensured through Webinars, online guest lectures, conclave and training programs	Bos minutes and R 16 curriculum
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 R 16 curriculum
		Courses that enable studens to enhance their domain knowledge, prepare for competitive / professional exam and develop employable skills	Based on the input received by the Alumni, skill enhanced courses like Research and content development and ideation and product development courses are included in the curriculum and also advanced department specific professional courses are included, which will help the students to participate various competitive examinations.	Bos minutes and R 16 curriculum
3	Students	Curriculum should add advanced courses related to intra and inter disciplinary	Based on the input received by the students, courses like Principle of Artificial Intelligence Bigdata and Business analytics, Cloud Application Development etc. are included in the curriculum, and also students have a flexibility to choose different professional and open elective courses	Bos minutes and R 16 curriculum
		Course objectives and outcomes are need to state for each of the course.	It is mandatory to elaborately to include course objectives and course outcomes in the syllabus of all the courses. All these details are uploaded onto the website.	Bos minutes and R 16 curriculum
4	Faculty	Courses that provide an indepth knowledge of core principles apply them in relevant areas, which develop leadership skills and life-long learning abilities	Encouraged the faculty to do NPTEL courses, which will help them to enhance their skills	Bos minutes and R 16 curriculum
		Sufficient number of relevant reading materials and digital resources are available in the library	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 R 16 curriculum

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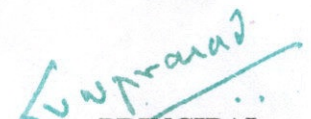
**DEPARTMENT OF INFORMATION TECHNOLOGY**

**Stakeholders feedback action taken report  
Academic year: 2017 - 2018**

S.No	Feedback given by	Feedback / Suggestions	Action Taken	Evidence
1	Employer	The syllabus need to prepared which 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 R 16 curriculum
		Courses that cater to the need of the industry that helps in building efficiency and effectiveness of the organization to be offered	Skill enhancement courses and technical training and communication training classes are conducted for the students which will help them in building efficiency	Bos minutes and R 16 curriculum
2	Alumni	Design of the courses encourages / motivates extra learning or self-learning	E Learning Rediness (ELRV) videos are available for most of the courses which will facilitates the students to view and enhance their skills which will provide an opportunity to self study.	Institute developed ELRV videos
		Encourage students towards value added courses	Value added courses are introduced to the students enhance the skills. These courses are conducted beyond the working hours by internal / external experts where students will be benefited to learn new technologies	Value added courses list
3	Students	Placement training sessions should be conducted	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 R 16 curriculum
		Sufficient practical exposure need to provide for the theoretical concepts in the courses	Through Build-IT platform, where students can get sufficient practical exposure by participating various contest like Hackathons, Ideathon, Codechef and Hackerrank.	Bos minutes and R 16 curriculum
4	Faculty	Adequate exposure is provided to the relevant software	Periodically faculty development programs, short term training programs are organized in the department, so faculty can enhance their technical skills.	Bos minutes and R 16 curriculum
		More usage of modern content delivery methods	AICTE teaching learning methods were introduced to take up new way of learning. All the class rooms are equipped with ICT enabled facilities. Elearning readiness videos (ELRV) are available for the students which can help them to self-study	Bos minutes and R 16 curriculum

  
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