



# **INSTITUTE OF AERONAUTICAL ENGINEERING**

(Autonomous)

Dundigal - 500 043, Hyderabad, Telangana

**2020 - 2021**

## DEPARTMENT OF AERONAUTICAL ENGINEERING

### Stakeholders feedback action taken report

Academic year: 2020 - 2021

S.No	Feedback given by	Feedback / Suggestions	Action Taken	Evidence
1	Employer	Engineering fundamentals should be strong	As in the new regulations more courses are introduced and also introduction of industry oriented courses in the curriculum	Bos minutes and UG 20 curriculum
2	Alumni	Professional Ethics and gender sensitivity related courses need to include in the curriculum.	To make students sensitized the curriculum is designed and it is mandatory to do the courses like, Indian constitution, Essence of Indian traditional knowledge and gender sensitization etc.	Bos minutes and UG 20 curriculum
		More placements required from core companies	More company specific training is given to the students which can help them to place in core companies. Students are placed in Core companies like Tata Advanced Systems, Infosys.	Career advanced activities
3	Students	Need industrial visits for real –	Students are encouraged for industrial visit where they can gain domain exposure.	Bos minutes and UG 20
		More training is required to get knowledge on programming	Skill enhancement training programs like SkillUp / SkillBridge are introduced so students can improve their programming skills	Bos minutes and UG 20 curriculum
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 UG 20 curriculum

  
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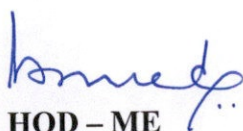


# DEPARTMENT OF MECHANICAL ENGINEERING

## Stakeholders feedback action taken report

Academic year: 2020 - 2021

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 part of all the courses and tutorial question banks are prepared which contains short and long questions to emphasize this issue.	Bos minutes and UG 20 curriculum
		Students have to improve communication skills	Special training programs on Verbal and English communications by internal and expert members conducted. Career Development Centre (CDC) is organized these programs which help the students to improve communication skills	Career development centre 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.	Bos minutes and UG 20 curriculum
		Mandatory and Value-added courses	To make students sensitized the curriculum is designed mandatory courses like, Indian constitution, Essence of Indian traditional knowledge, gender sensitization etc. Apart from mandatory courses, value added courses also introduced to the students to enhance their skill.	Bos minutes and UG 20 curriculum
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 consist performance. 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.	Bos minutes and UG 20 curriculum
		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 UG 20 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 UG 20 curriculum
		Sufficient practical exposure is provided for the theoretical concepts in the courses.	Few core laboratories are divided into short and long labs. Where long labs contain all the experiments elaborated which are related to real life problem. Students can get more awareness by doing long and short lab experiments.	Bos minutes and UG 20 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 UG 20 curriculum

  
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## DEPARTMENT OF CIVIL ENGINEERING

### Stakeholders feedback action taken report

Academic year: 2020 - 2021

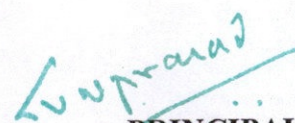
S.No	Feedback given by	Feedback / Suggestions	Action Taken	Evidence
1	Employer	Fundamental subject should be strong and include programming courses	To improve the programming skills of the students Build-IT platform designed. By using this platform students can practice and do more programs which can 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 UG 20 curriculum
2	Alumni	Training programs must be included to make students ready to face challenges to get core job	Institute have career development centre, which consists of rich text of training programs from IV semester onwards, so students can get benefited and ready to face challenges to get core job.	Career development centre activities
		The curriculum is up to date and relevant from the point of view of employability	New courses are introduced which can meet the local, global and industry needs	Bos minutes and UG 20 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 introduced	Bos minutes and UG 20 curriculum
		Industrial visits are 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 (IIC).	Bos minutes and UG 20 curriculum
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 UG 20 curriculum



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# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

## Stakeholders feedback action taken report

Academic year: 2020 - 2021

S.No	Feedback given by	Feedback / Suggestions	Action Taken	Evidence
1	Employer	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 UG 20 curriculum
		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 UG 20 curriculum
2	Alumni	Conduct communication skills related webinars / programs then students can get more opportunities	Based on input received by the alumni, to improve communication skills of the students webinars / training programs are conducted by career development centre inhouse members / expert from the outside.	Bos minutes and UG 20 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 centre activities
3	Students	Curriculum should include skill-based courses which 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 UG 20 curriculum
		Internship is the integral part of the curriculum	Students have a flexibility to do internship, so they can get knowledge on real time work.	Bos minutes and UG 20 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 UG 20 curriculum
		Adequate exposure is provided to the relevant software	Faculty development programs and short term training programs are organized in department level, which can help the faculty to enhance their skills	Bos minutes and UG 20 curriculum
		The syllabus is relevant for competitive examinations like GATE, PSUs, UGC NET, IES, GPAT, GMAT, etc.	Curriculum is designed in such way it will meet all the local, global and industry standards and also relevant to all competitive examinations	Bos minutes and UG 20 curriculum

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# DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## Stakeholders feedback action taken report Academic year: 2020 - 2021

S.No	Feedback given by	Feedback / Suggestions	Action Taken	Evidence
1	Employer	Students have to improve their technical and programming skills	Training programs are conducted for the students to improve their technical and programming skills. Build – IT platform is available for the students where students can get good programming exposure by solving number of problems.	Bos minutes and UG 20 curriculum
		Students have to improve communication skills	Special training programs are scheduled and conducted for improving the communication skills by career development centre	Career development centre activities
2	Alumni	To 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 UG 20 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 UG 20 curriculum
		The curriculum accommodates courses with hand-on experiential learning	Based on the input received by the alumni, skill-based courses with hands-on experience 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 UG 20 curriculum
3	Students	The courses enhance the analytical / problem solving / critical thinking / innovative skills	Enhance the knowledge of the students, tutorial question bank is prepared for all the courses which consists of problem solving and critical thinking questions.	Course full stack preparation
		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 UG 20 curriculum
4	Faculty	Advanced courses need to be included in curriculum	New core and professional elective courses are included in the curriculum which can help the students in their placement	Bos minutes and UG 20 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 UG 20 curriculum

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# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## Stakeholders feedback action taken report

Academic year: 2020 - 2021

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 centre activities
		Curriculum will be skill based and job oriented and value oriented	Curriculum is designed in such way that it contains all core, skill, profession and open elective courses, which will help the students to get employability	Bos minutes and UG 20 curriculum
2	Alumni	Curriculum enables the graduates to take up leadership and managerial roles	Curriculum contain courses which focus on skill and employability-based course which enables the graduates to take up leadership and managerial roles.	Bos minutes and UG 20 curriculum
		Suggestions for more focus on interdisciplinary activities in many courses	Honours / Minor programs are introduced to address this issue.	Bos minutes and UG 20 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 and open elective courses offered by the other branches.	Bos minutes and UG 20 curriculum
		Need more training required to slow learners on problem solving	Slow learners are identified and special classes are conducted both offline and online by the internal faculty and focus given more on problem solving and critical thinking questions.	Bos minutes and UG 20 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 UG 20 curriculum
		Need more focus on Industrial training	Internships are introduced to enhance the experience of real time environment. Different types of internships by Virtusa, Epam etc.	Bos minutes and UG 20 curriculum
		Suggested to increase more number of reference books	More reference books are made available in central library. Students can access magazines to improve their skills.	Bos minutes and UG 20 curriculum

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## DEPARTMENT OF INFORMATION TECHNOLOGY

### Stakeholders feedback action taken report Academic year: 2020 - 2021

S.No	Feedback given by	Feedback / Suggestions	Action Taken	Evidence
1	Employer	The syllabus helps in bridging the gap between industry and academic	Curriculum is designed in such way that, it includes all the latest courses which helps in bridging the gap between industry and academic	Bos minutes and UG 20 curriculum
2	Alumni	Suggestions for more focus on interdisciplinary activities in many courses	Honours / Minor programs are introduced to address this issue.	Bos minutes and UG 20 curriculum
3	Students	Placement training sessions should be conducted from third year onwards	To encourage advanced learners, special training programs like 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 UG 20 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	Bos minutes and UG 20 curriculum
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 UG 20 curriculum
		Students practice more questions by creating an academic task which emphasizes students to solve problems, and develop self-study	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	Developed early readiness videos

  
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