



ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES

(UGC AUTONOMOUS)

(Affiliated to AU, Approved by AICTE & Accredited by NBA & NAAC)

Sangivalasa 531 162, Bheemunipatnam Mandal, Visakhapatnam Dist

DEPARTMENT OF CHEMICAL ENGINEERING

Action taken report on the feedback collected on curriculum for the academic year 2021-22

Stakeholder	Suggestions	Action taken
Students	<ol style="list-style-type: none">1. Economics topics can be increased in CPEED course2. Nanotechnology course can be included in curriculum3. Softwares like ASPEN and MATLAB to be included in curriculum4. More industrial visits and trainings need to be provided	<ol style="list-style-type: none">1. It is placed in BoS 2023 for approval2. It is included in curriculum as an elective3. Python and DWSIM are included in the curriculum. ASPEN and MATLAB are being implemented as value added courses4. Industrial trainings are included after 2nd year 2nd semester and 3rd year 2nd semester from R-20 regulations
Faculty	<ol style="list-style-type: none">1. Faculty suggested to add fuel cell topic in CETD course2. Insurance topic can be included in CPEED course3. Drying and leaching equipment may be reduced in Mass Transfer - II course	<ol style="list-style-type: none">1. It will be placed in BoS 2023 for approval2. It will be placed in BoS 2023 for approval3. The syllabus can be reduced and will be placed for approval in BoS 2023
Alumni	<ol style="list-style-type: none">1. A few Alumni suggested to include simulation tools2. A few Alumni suggested to include pharmaceutical related courses	<ol style="list-style-type: none">1. Simulation tool DWSIM is added to curriculum from 2018-19 onwards and python course is added from 2019-20 onwards. Aspen and MATLAB are implemented as value added courses.

Employers	1. Softskills and communication skills need to be improved	1. Measures are taken to improve soft and communication skills for students as a part of curriculum by organizing course presentations, JAM sessions, presentations in conferences and project presentations. From 2021-22, seminar course in 2nd year 2nd semester is included in the curriculum to focus on these skill sets.
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Prof. R. Srikanth
HOD
Chemical Engineering

**HEAD,
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R. Srikanth

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DEPARTMENT OF CIVIL ENGINEERING

Department of Civil Engineering


Alumni Feedback on Curriculum (Regulations - 2015)

2021-2022

(2018-2022 Batch)

Action Taken Report & Impact Analysis

S.No.	Suggestions	Action Taken	Impact Analysis
1	Inclusion of Advanced Civil Softwares into Curriculum.	Considered to be presented in Board of Studies Meeting in March/April 2022. BoS Coordinator for necessary Action.	It has been resolved to introduce an additional Skill-Oriented Course – Building Architecture with Revit in II year. Accepted and Approved in the Board of Studies Meeting in March/April 2022


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Department of CSE


Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2021-22

Stakeholder	Suggestions	Action Taken
Students	<ol style="list-style-type: none">1. OOAD subject is little boring, and all topics are already covered software engineering2. CN syllabus should be reduced and physical layer concepts already covered previous semester DC	<ol style="list-style-type: none">1. According to these suggestions SE and OOAD are merged as a single course and OOSE Lab also introduced in R192. Removed some of the concepts which are overlapped with DC and updated the syllabus with additional content.
Faculty	<ol style="list-style-type: none">1. Increase the content of Design process and design axioms: Corollaries, design patterns.2. object oriented concepts can be reduced as they already studied in java subject during 2nd year3. Please move the COCOMO topics from Unit 1 to Unit 54. Please mention the List of Software Development Process Models in Unit-15. Please mention the List of Architecture styles in Unit 36. SE Lab content and SE theory content is not matching7. In Open Source Technologies we have many other important Technologies are there like Perl, Python, Ruby. 3 units are occupied in WT for Java related. But at End people are not doing mini project on Java. They are doing on PHP, Python. I am	<ol style="list-style-type: none">1. According to these suggestions SE and OOAD are merged as a single course and OOSE Lab also introduced in R192. According to the faculty recommendations revised the WT syllabus removed some of the outdated technologies and added MongoDB, NodeJS, ExpressJS

	not saying that removing java. but if we give priority to other technologies especially trending technologies it may give good result to their mini project and main project and also internship.	
Alumni	<ol style="list-style-type: none"> 1. Better to have a programming subject in second semester of first year 2. Addition of python programming. 3. Introducing at IDE at First Year 4. Machine Learning and Neural Networks syllabus if fine. 5. Include Mobile Application Development with Android. 	<ol style="list-style-type: none"> 1. Due to tight pack of basic courses in first year currently it is not possible but in future we will try to accommodate programming course in first year second semester. 2. Python Programming added to the R20 Regulation 3. We will encourage students to use IDE for executing C. 4. Mobile Application Development is offering as a Honor course


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Department of Electronics and Communication Engineering Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2021-22

Stake holder	Suggestions	Action Taken
Alumni	<ul style="list-style-type: none">• More emphasis should be given on Python programming. It should be made professional elective.• Technological awareness on IoT, AI/ML should be created.• Mock interviews helped a lot to crack the job.• Technological awareness for autonomous vehicles should be created	<ul style="list-style-type: none">• Course on "Python Programming" is being organized by the department of ECE as Open Elective for 3rd year students.• Course on "Introduction to Machine Learning" is being delivered by industry experts for 4th year students as Open Elective.• Mock interviews are being conducted by Alumni during the placements for the 3rd year and final year students.• It may be proposed to offer any course related to automated vehicles in the forthcoming BOS.


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Department of Electrical and Electronics Engineering

Consolidated report on feedback and Action taken report on Syllabus / Curriculum for the academic year of 2021-22

Stakeholder	Suggestions	Action Taken
Alumni	<ol style="list-style-type: none">1. Suggested to include Embedded System Course in Professional Core .2. Suggested to conducting seminar/FDP's.3. Suggested to introduce new programming languages in second year.4. Suggested to introduce Artificial intelligence and Machine learning in curriculum.5. Suggested to introduce Internet of Things in curriculum.	<ul style="list-style-type: none">➤ Embedded Course included in Third Year 1st semester as a professional core in R-20 Regulations approved in BOS held on 19-06-2021➤ Value added course are included in R-20 Regulations approved in BOS held on 19-06-2021➤ AI & IoT are included in R-20 Regulations approved in BOS held on 19-06-2021


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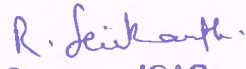
Department of Information Technology

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year.....2021-22.....

Stakeholder	Suggestions	Action Taken
Alumni	1. Knowledge of dynamic coding is required from B. Tech II nd year onwards.	1. Suggestions by the alumni were considered and introduced Hacker rank and GDB compilers for Data Structures Lab in R-20.


Head of the department

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Department of Mechanical Engineering

Consolidated report of Alumni feedback on syllabus/curriculum and action taken (for AY 2021-22)

The Alumni feedback is worthy enough to consider in framing the course structure and syllabi of various courses.

- 1) **Suggestion:** Real life problems are to be given as assignments.

Action taken: Case studies for every course is introduced for better solving of contemporary problems.

- 2) **Suggestion:** Inclusion of MATLAB programming in the curriculum.

Action taken: It may be proposed to offer MATLAB programming in the forthcoming BOS.

- 3) **Suggestion:** Lectures by professional experts is highly acclaimed by Alumni.

Action taken: Guest lectures by eminent speakers from industries as well as academia on various topics in professional courses are arranged by the department for every academic year.

- 4) **Suggestion:** Most of the students are seeking Mechanical and computer software related courses for better placement opportunities.

Action taken: Skill development courses are introduced with emphasis on computer software's as the placement avenues for the students will enhance appreciably. **AUTO CAD** and **SOLID WORKS** are being conducted for the mechanical software related courses. New software's like **Creo-Parametric** is now introduced for **CADM** course. Also, **Python** programming course is included in the curriculum.

- 5) **Suggestion:** MOUs with industries to execute projects.

Action taken: The department is liaising with industries in the city for training the students, execution of projects and maintenance of lab equipment's.

D.G. Ch. Sekhar

Faculty coordinator

[Signature] 6.7.22

Head of the department

PROFESSOR & HEAD

Department of Mechanical Engineering

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Department of Chemical Engineering

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2020-21

Stakeholder	Suggestions	Action Taken
Students	1. Students are requested for computer related courses.	1. Python is introduced in Computational Lab in R19 regulation.
Faculty	1. Some topics are available in more than one unit in Process dynamics and Control. 2. Few calculations and derivatives may be Engineering. in Material Science Engineering. 3. Suggested to inculcate medical applications of nanotechnology	1. Repeated topics are skipped and organized syllabus in R19 2. calculations and derivations are included in curriculum and omitted from assessment. 3. It is placed in R19 IV year BOS for approval
Alumni	1. Alumni requested to allow students to choose electives from other departments,	1. Open electives were offered in R15 an R19 curriculum
Employers	1. Industrial Safety and fire fighting techniques to be included. 2. Simulation techniques like Aspen, Pro-II, MATLAB etc.	1. Industrial safety course is included in 3 rd year R19 syllabus. 2. DWSIM software is being used in 4-1 for simulating equipment.

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Department of Civil Engineering

Alumni Feedback on Curriculum (Regulations - 2015)
2020-2021
(2016-2020 Batch)

Action Taken Report & Impact Analysis

S.No.	Suggestions	Action Taken	Impact Analysis
1	Inclusion of Advanced Civil Softwares into Curriculum.	Considered to be presented in Board of Studies Meeting in March/April 2021. BoS Coordinator for necessary Action.	It has been resolved to introduce an additional Skill-Oriented Course – Building Architecture with Revit in II year. Accepted and Approved in the Board of Studies Meeting in March/April 2021

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Department of CSE

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2020-21

Stakeholder	Suggestions	Action Taken
Students	<ol style="list-style-type: none"> Need additional coding practice for campus placement. DC is difficult to follow. 	<ol style="list-style-type: none"> Competitive Programming course is introduced in R19- III YEAR. Prescribed text book and reference text book has interchanged and included IOT related concepts.
Faculty	<ol style="list-style-type: none"> Java: Unit-IV and Unit-V need to revise to accommodate advanced topics. Java Lab: Better to add Mini application development using java in lab syllabus. 	<ol style="list-style-type: none"> Java Unit-V was replaced with Swings and EJB Case Studies are added in Java Lab Syllabus.
Alumni	<p>The Alumni suggest the following courses in the curriculum:</p> <ol style="list-style-type: none"> Python, Data Science, Block Chain AR and VR, Hadoop Cloud computing Machine learning, Artificial Intelligence 	<ol style="list-style-type: none"> B-Tech CSE with AI & ML program has started from this academic year in R20 regulation. B-Tech CSE with Data Science program has started from this academic year in R20 regulation. Cloud computing syllabus updated according to industry requirements.

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Department of Electronics and Communication Engineering Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2020-21

Stakeholder	Suggestions	Action Taken
Alumni	Suggested to conduct separate training to improve speaking skills	It is resolved in the Faculty meeting to conduct seminars as a part of course work wherever possible for enhancing the speaking skills of the students.

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Department of ECE

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Department of Electrical and Electronics Engineering

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2020-2021

Stakeholder	Suggestions	Action Taken
Alumni	<ol style="list-style-type: none">1) Suggested to introduce HV and EHV graded cables.2) Suggested introduce to MATLAB implementation of fuzzy systems.3) Suggested to introduce Linear induction motor and properties.	<ul style="list-style-type: none">• HV and EHV graded cables topic is included in Power transmission and Distribution syllabus in R-20 regulations approved in the BoS held on 19th June 2021.• Linear induction motor properties topic is included in Performance of Linear induction machine syllabus in in R-20 regulations approved in the BoS held on 19th June 2021.


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Department of ...Information Technology.....


Consolidated report on feedback and action taken on syllabus/curriculum for the academic year.....2020-21.....

Stakeholder	Suggestions	Action Taken
Students	<ol style="list-style-type: none"> 1. Suggested to explore the basic concepts of microprocessors. 2. Suggest to introduce emerging subjects as mandatory courses. 3. Suggested to introduce trending topics as elective subjects. 	<ol style="list-style-type: none"> 1. As per the feedback, we incorporated changes in the microprocessor in R-19, and R-20. 2. As per the feedback, we incorporated emerging subjects like IoT, and AI in R-19, and R-20. 3. As per the suggestion, 5 elective streams like Networks, Data Engineering, Management, Security & Embedded Systems and Software Engineering were introduced as elective courses in R-19.
Faculty	<ol style="list-style-type: none"> 1. Introduce more case studies on ER models, conversion of ER model to Relational model, and normalizing database application in Database Management Systems Lab. 2. Incorporate usage of telephone and cable networks for data transmission in the Data Communications subject. 3. Suggested to include Multi-Threaded Programming, Free space management, Virtual machines, Thrashing and log-structured file in Operating Systems subject. 4. Suggested to include Schemas, Item set, Ensembling, Issues in Data Warehousing and Mining. 5. Suggested to restructure the syllabus for Computer Networks 	<ol style="list-style-type: none"> 1. After Discussion, Feedback given by the teachers was considered in Board of Studies held on 19/6/2021 and were incorporated in the syllabus of R-19, R-20.

		lab in R-19, R-20 (Annexure-I, Pg.No.39).
Alumni	1. Knowledge of dynamic coding is required from B. Tech II nd year onwards.	1. Suggestions by the alumni were considered, introduced Hacker rank and GDB compilers for Data Structures Lab in R-20.
Employers	<p>1. Students can create a GitHub account and have their written code there so that it would help interviewers to understand the student's interest and coding skills.</p> <p>2. Suggested to include advanced topics like R, Python in curriculum, as it is an on-demand course.</p> <p>3. New topics like AWS/AZURE needed to be incorporated in the curriculum to make the students industry ready.</p>	<p>1.1 GitHub Essentials subject was introduced as a Generalized Minor in R-20.</p> <p>1.2 GitHub Introduction was given in DevOps Lab (Elective) (Annexure-II Pg. No. 81)</p> <p>2. As suggested, we have Advanced Python, Deep Learning, Data Science, Elective Labs in our curriculum in IInd year Ist, IInd semesters in R-19, R-20.</p> <p>3. Incorporated the new topic as a case study in Cloud Computing in R-19, R-20 (Annexure-I Pg. No. 20).</p>


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Department of Mechanical Engineering

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2020-21

Stakeholder	Suggestions	Action Taken
Students	1. It is suggested to introduce different types of weldings as experiment in Machine Tools lab	1. Spot welding was included in the revised curriculum as per R-20 regulations.
Faculty	1. It is suggested to include Maxwell relations in Basic Thermodynamic course	1. The topic suggested by the faculty was included in R-20 regulation while framing the syllabus of Basic Thermodynamic course.
Alumni	1) The alumni suggest to introduce Design Thinking as a course in view of the present trend which could be of use for establishing startups.	1. Design Thinking has been included as a regular course from R-19 regulation. This will be helpful for create an innovative mindset and inculcate a habit of thinking to develop engineering models.

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Department of Chemical Engineering

Action taken report on Alumni feedback on syllabus/curriculum (2019-20)

Suggestions	Action Taken
1. Industrial hygiene and safety	1. Industrial safety course is included as an elective in R-19 regulations and is approved in BoS meeting on 19 th June 2021.

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Department of Civil Engineering

**Alumni Feedback on Curriculum (Regulations - 2015)
2019-2020
(2015-2019 Batch)**

Action Taken Report & Impact Analysis

S.No.	Suggestions	Action Taken	Impact Analysis
1	Inclusion of Advanced Technologies and related Courses.	Considered to be presented in Board of Studies Meeting in March/April 2020. BoS Coordinator for necessary Action.	It has been resolved to offer advanced elective courses such as Prestressed Concrete, Repair and Rehabilitation, etc. Accepted and Approved in the Board of Studies Meeting in March/April 2020
2	Enhanced exposure to Advanced Civil Softwares.	Considered to be presented in Board of Studies Meeting in March/April 2020. BoS Coordinator for necessary Action.	It has been recommended to introduce fundamentals of advanced softwares in civil engineering. Accepted and Approved in the Board of Studies Meeting in March/April 2020

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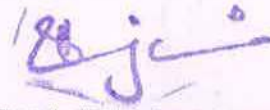
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Department of CSE

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2019-20

Stakeholder	Suggestions	Action Taken
Students	<ol style="list-style-type: none">1. Need Python programming.2. It will be helpful if C-Lab has theory.	<ol style="list-style-type: none">1. Python Programming is introduced as open elective in R19 3rd year and is approved in the BOS meeting held on 30-3-2019.2. Problem Solving with –C theory course is introduced in R19 I-year and is approved in the BOS meeting held on 30-3-2019.
Faculty	<ol style="list-style-type: none">1. C Lab: Only Lab is not enough for better understanding should include theory.2. Java Lab: Better to add Mini application development using java in lab syllabus.	<ol style="list-style-type: none">1. Problem Solving with –C theory course is introduced in R19 I-year and is approved in the BOS meeting held on 30-3-2019.2. Java Lab: Designing of mini application using java is added in the Java Lab syllabus in R19 – II year and approved in the BOS meeting held on 23-5-2020.
Alumni	<p>The Alumni suggest the following courses in the curriculum:</p> <ol style="list-style-type: none">1. Python, Data Science, Block Chain2. AR and VR, Hadoop3. Cloud computing4. Machine learning, AI5. ADS6. Python7. Soft-skills8. Project implementations9. JSP, PHP, Oracle	<ol style="list-style-type: none">1. AI & ML is offered as a new program with CSE2. Data-Science is offered as a new program with CSE3. Cloud computing and ML are offered as Professional Electives R15 4th year and approved in the BOS meeting held on 28-4-2018.4. JSP, PHP are in OST LAB This Lab is introduced in R15 3rd year and approved in the BOS meeting held on 25-3-2017.

<p>Employers</p>	<ol style="list-style-type: none"> 1. The recruiters were positive about the student's ability to learn new things. 2. Students need to be aware on the current trends. 	<ol style="list-style-type: none"> 1. Introducing Python Programming as open elective to CSE & other departments also in R19 – III year and is approved in the BOS meeting held on 30-3-2019. 2. Encouraging the students to complete MOOC courses on new trends.
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Department of Electronics and Communication Engineering Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2019-20

Stakeholder	Suggestions	Action Taken
Alumni	Suggested to introduce courses like python programming and IoT.	In R19 3 rd year I semester. in course "Embedded systems and IoT Lab" more contents related to IoT in UNIT-III were added as suggested and approved in 7 th BOS meeting held on 19.06.2021

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Department of Electrical and Electronics Engineering

Consolidated report on Alumni feedback on Curriculum and action taken on Report for the academic year 2019-2020

Stakeholder	Suggestions	Action Taken
Alumni	<ol style="list-style-type: none">1) Suggested to introduce AI & ML courses2) Suggested introduce to DBMS.3) Suggested to introduce JAVA.	<ul style="list-style-type: none">• JAVA programming course is included in R-19 regulations as an open elective approved in the BoS held on 30th March 2019.• AI (Artificial Intelligence) course is included in R-19 regulations as an open elective approved in the BoS held on 30th March 2019.

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Department of ...Information Technology.....

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year.....2019-20.....

Stakeholder	Suggestions	Action Taken
Students	<ol style="list-style-type: none"> 1. Suggested to introduce emerging subjects as mandatory courses. 	<ol style="list-style-type: none"> 1. As per the feedback, we incorporated emerging subjects like IoT, Data Analytics in R-19, R-20.
Faculty	<ol style="list-style-type: none"> 1. Reinforcement Techniques to be included in the Artificial Intelligence Syllabus. 2. Advanced topics like Iterators, Generators, Decorators, Regular Expressions to be included in Python Programming. 3. Installation of popular tools can be introduced in Analytics Lab. 4. Suggested to reduce the syllabus of Object-Oriented Analysis and Design. 5. Suggested to include a mini project for CASE Tools Lab. 6. Recommended to remove Computational Learning Theory in UNIT-IV and incorporate Neural Network Concepts in Artificial Intelligence subject. 	<ol style="list-style-type: none"> 1. After Discussion, Feedback given by the teachers was considered in Board of Studies held on 27/5/2020 and were incorporated in the coarse draft syllabus of R-19, R-20.
Alumni	<ol style="list-style-type: none"> 1. Knowledge of Soft, Quantitative & Verbal Analysis is required for getting placements. 	<ol style="list-style-type: none"> 1. Suggestions by the alumni were considered, introduced Soft Skills & QA-2 in R-20.
Employers	<ol style="list-style-type: none"> 1. Suggested to have Good Knowledge on AWS/AZURE cloud services 2. Suggested to have Basic idea on Visualization tool. 3. Suggested to have knowledge in Visualization tools like Power BI/Tableau. 4. Students can create a GitHub account and have their written code there so that it would help interviewers to understand the student's interest and coding skills. 	<ol style="list-style-type: none"> 1. As suggested, we incorporated cloud computing in IVth year Ist Semester as a professional elective in R-19. 2. As per the recommendation, basic idea of Visualization topic was included in Data Analytics (GNU Tool) subject for IVth year Ist Semester in R-15, R-19. 3. GitHub Essentials subject was introduced as a Generalized

	<ol style="list-style-type: none"> 4. Students can create a GitHub account and have their written code there so that it would help interviewers to understand the student's interest and coding skills. 5. Recommended to focus on application of each subject. 6. Students need to have applicative based learning. They need to be ready for future digital skills. 7. Suggested to include Python in curriculum, as it is the on-demand coding language 8. Suggested to encourage students to participate in online coding competitions conducted by HackerRank to help boost their confidence in coding and add more credibility. 	<p>Analytics (GNU Tool) subject for IVth year Ist Semester in R-15, R-19.</p> <ol style="list-style-type: none"> 3. GitHub Essentials subject was introduced as a Generalized Minor in R-20. 4. Data Structures subject was designed as application oriented in IInd year Ist Semester Subject in R-19, R-20. 5. As suggested, we have Python in our curriculum in IInd year Ist, IInd semesters in R-15, R-19, R-20. 6. Data Structures Lab experiments were practiced on GDB Compiler, HackerRank platforms in R-19, R-20.
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Department of Mechanical Engineering

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2019-20

Stakeholder	Suggestions	Action Taken
Students	1. Gerber's theory need to be added in Design of Machine elements –I	1. Gerber's theory topic will be added in Design of Machine elements –I in 3 rd year 1 st semester R-19 regulations. This will be put up for approval of BOS.
Faculty	1. A topic on Al-Cu , Cu-Zn phase diagrams to be added in Material Science and Metallurgy	1. The suggestions given by faculty are duly considered. Al-Cu , Cu-Zn phase diagrams are added in 2 nd year 1 st semester R-19 regulations. This is approved in the BOS held on 23/05/2020 in online mode.
Alumni	1. Suggested to add Line standards & End standards in Metal cutting & Machine tools and Metrology course.	1. Considered to be presented in Academic Planning and Monitoring cell Meeting in September 2019. APMC Coordinator for necessary Action.
Employer	Name and designation of resource person: Sridhar J, project manager Infosys . The employer has given constructive suggestions to enhance the skills of the students through the following <ul style="list-style-type: none">➤ Introduce Business Communication both writing and speaking skills➤ To include subjects/topics for related Mechanical softwares.	The department will incorporate the given suggestions to enhance the quality of technology of Teaching Learning process. It has planned to introduce skill development courses which will give a hands on experience to the students using Mechanical softwares like Autocad, Solidworks and ANSYS comprehensively. The courses to be added in R-20 regulations are Engineering Graphics, Advanced Engineering Graphics and Computer aided Modelling. These subjects will be

		taught with the aid of computer. Further it has planned to introduce Python program/Data structures as open electives offered by CSE department.
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Department of Chemical Engineering

Action taken report on Alumni feedback on syllabus/curriculum (2018-19)

Suggestions	Action Taken
1. Add Pharmaceutical related courses	1. Pharmaceutical Technology course is already included as an elective course in III year I-semester in R-15 regulations and is approved in BoS held on 25 th March 2017.

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Department of Civil Engineering

**Alumni Feedback on Curriculum (AU Regulations - 2014)
2018-2019
(2014-2018 Batch)**

Action Taken Report & Impact Analysis

S.No.	Suggestions	Action Taken	Impact Analysis
1	Exposure to Advanced Civil Softwares.	Considered to be presented in Board of Studies Meeting in March/April 2019. BoS Coordinator for necessary Action.	It has been resolved to introduce an additional laboratory related to computer applications in civil engineering incorporating trending softwares like Staad Pro, Arc GIS, etc. Accepted and Approved in the Board of Studies Meeting in March/April 2019


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Department of CSE

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2018-19

Stakeholder	Suggestions	Action Taken
Students	<ol style="list-style-type: none">1. CN: Need Security related advanced topics.2. DBMS: Include non relational database with more examples.	<ol style="list-style-type: none">1. CS: Cyber Security is offered as professional electives in R15 4th year and approved in the BOS meeting held on 28-4-2018.2. NOSQL Databases – offered as Professional Elective in R15 4th year and approved in the BOS meeting held on 28-4-2018
Faculty	<ol style="list-style-type: none">1. DWDM: Current industry demands ML related course, to meet industrial needs better to introduce Machine Learning as a course. So the Students can get more placements.2. AI: It is better to add new courses like Machine Learning, Neural Networks and Deep Learning to meet the current technologies.	<ol style="list-style-type: none">1. Machine Learning, Cloud Computing and Mobile Computing are introduced as professional electives in R15 4th year and approved in the BOS meeting held on 28-4-2018.2. NNDDP: Neural Networks & Deep Learning offered as professional electives in R15 4th year and approved in the BOS meeting held on 28-4-2018.
Alumni	<p>The Alumni suggest the following courses in the curriculum:</p> <ol style="list-style-type: none">1. Data base administration2. NOSQL Database3. HTML,CSS,SQL	<ol style="list-style-type: none">1. DBMS LAB - application based experiments are added to the lab syllabus. This Lab is introduced in R15 3rd year and approved in the BOS meeting held on 25-3-2017.2. NOSQL Databases – offered as Professional elective in R15 4th year and approved in the BOS meeting held on 28-4-2018.3. HTML, CSS – are included in OST LAB. This Lab is introduced in R15 3rd year and

		approved in the BOS meeting held on 25-3-2017.
Employers	<ol style="list-style-type: none"> 1. Recruiters from education stated that the students are strong in their domain knowledge, however communication skills need improvement. 2. Courses related to R, Python can be introduces. 	<ol style="list-style-type: none"> 1. Soft skills lab is introduced in R15 3rd year and approved in the BOS meeting held on 25-3-2017. 2. Python Programming is offering as open elective to other departments in R15 – III year and is approved in BOS meeting held on 30-3-2019.



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Department of Electronics and Communication Engineering

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2018-19

Stakeholder	Suggestions	Action Taken
Alumni	1.Suggested to include courses like IOT and Data structures Lab for making students ready for industry.	In R19 3 rd year II semester, course "Embedded systems and IoT" DS Lab were newly introduced as suggested and approved in 7 th BOS meeting held on 19.06.2021

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Department of Electrical and Electronics Engineering

Consolidated report on Alumni feedback on Curriculum and action taken on Report for the academic year 2018-2019

Stakeholder	Suggestions	Action Taken
Alumni	<ol style="list-style-type: none">1. Suggested to introduce switched mode power conversion course.2. Suggested to introduce High Voltage Engineering course.3. Suggested to introduce Python Programming.	<ul style="list-style-type: none">• Python coding language is included in R-19 regulations as an open elective-1 approved in the BoS held on 30th March 2019.

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Department of ...Information Technology.....

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year...2018-19.....

Stakeholder	Suggestions	Action Taken
Students	1. Suggested to introduce trending topics as elective subjects.	1. As per the suggestion, 5 elective streams like Networks, Data Engineering, Management, Security & Embedded Systems and Software Engineering were introduced as elective courses in R-19.
Faculty	1. Online Compilers are recommended for Data Structures Lab to get the exposure on Coding Contests. 2. Suggested to add Wrapper Classes & Accessing Methods in Object Oriented Programming Though Java.	1. After Discussion, Feedback given by the teachers was considered and were incorporated in the syllabus of R-19 in Board of Studies held on 30/3/2019.
Alumni	1. Implementation of projects from Third year onwards will be helpful to get into industry. 2. Recommended to incorporate GitHub Fundamentals, DevOps and Cloud Computing.	1. As suggested, industry internship is divided in to two phases in R-19. 2. Suggestions by the alumni were considered by including cloud computing as a professional elective in R-19.
Employers	1. Suggested to keep C++, Java courses (or latest trend courses) as mandatory in the first two years of curriculum of Engineering.	1. As suggested, we already have C++ in II nd year 1 st semester in R-15, Object Oriented Programming using JAVA in II nd year II nd semester in R-19.

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Department of Mechanical Engineering

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2018-19

Stakeholder	Suggestions	Action Taken
Students	1. Disc brake concept need to be added in Design of Machine elements -II	1. The concept of Disc brake will be implemented in the Design of Machine elements -II course in 3 rd year 2 nd semester R-19 regulations.
Faculty	1. Title to be modified based on syllabus in Engineering Thermodynamics-1	1. By observing the syllabus unit wise the name of the subject changed from Engineering Thermodynamics-1 to Basic Thermodynamics in 2 nd year 1 st semester R-19 regulations.
Alumni	1. As Present jobs are more inclined towards software, new courses related to programming can be implemented in the curriculum.	1. Considered to be presented in Academic Planning and Monitoring cell Meeting in October 2018. APMC Coordinator for necessary Action.
Employer	<p>Name and designation of resource person: Hanuma Prasad Narahari senior project manager Infosys limited. The employer has suggested to look into the feasibility of includes the following subjects</p> <ul style="list-style-type: none"> ➤ Nano technology ➤ Smart Manufacturing ➤ Agricultural Engineering ➤ Alternative/Renewable and sustainable energy engineering <p>Further the employer suggested introducing cross discipline elective courses and also including c++, Java or</p>	<p>Considering the invaluable suggestions, the department in a right earnest wise develop the R-19 curriculum. The department will introduce the following courses as professional electives</p> <ul style="list-style-type: none"> ➤ Additive Manufacturing ➤ Automation in Manufacturing <p>These two courses are in line with the subject of Smart Manufacturing. Further a professional elective course on Nanotechnology is also be incorporated in the curriculum to be developed.</p>

	any other latest computer language in the engineering curriculum.	
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Department of Chemical Engineering

Action taken report on Alumni feedback on syllabus/curriculum (2017-18)

Suggestions	Action Taken
1. Design of equipments using softwares to be incorporate in curriculum.	1. Process Modelling and Simulation course is made as a compulsory course in IV year I Semester in R-15 regulations and is approved in the BoS meeting held on 30 th March 2019.
2. Training on Communication Skills and Management Skills will benefit in chemical industry environment	2. Industrial Management course is offered as an elective in IV year II Semester in R-15 regulations and is approved in the BoS meeting held on 30 th March 2019.

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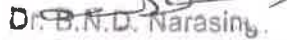
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Department of Civil Engineering

Alumni Feedback on Curriculum (AU Regulations – 2007)
2017-2018
(2013-2017 Batch)

Action Taken Report & Impact Analysis

S.No.	Suggestions	Action Taken	Impact Analysis
1	Emphasis on Training on Aptitude Skills	Considered to be presented in Board of Studies Meeting in March/April 2018. BoS Coordinator for necessary Action.	It has been resolved to introduce Quantitative and Verbal Aptitude Courses into the Curriculum and conduct regular assessments for improving the Aptitude Skills of Students. Accepted and Approved in the Board of Studies Meeting in March/April 2018
2	Training on Communication Skills	Considered to be presented in Board of Studies Meeting in March/April 2018. BoS Coordinator for necessary Action.	It has been resolved to introduce Technical Seminar as a course to help enhance communicative skills of students. Accepted and Approved in the Board of Studies Meeting in March/April 2018


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Department of CSE

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2017-18

Stakeholder	Suggestions	Action Taken
Students	<ol style="list-style-type: none">1. CA: Include case study2. IP: Need practical examples.3. CNS: Required case studies.	<ol style="list-style-type: none">1. CA: Intel core i7, IBM 360, ARM Cortex A-8 case studies are added at end of each unit, it is introduced in R15 3rd year and approved in the BOS meeting held on 25-3-2017.2. IP is revised as DIP and offered as elective in R15 3rd year and approved in the BOS meeting held on 25-3-2017.3. CNS: Case Studies are added and is this course introduced in R15 4th year and approved in the BOS meeting held on 28-4-2018.
Faculty	<ol style="list-style-type: none">1. DCNP- The concepts of hyper terminal, dial-up networking should be replaced with new concepts of networking tools as this curriculum doesn't include latest topics2. CN: The course Mobile Computing is recommended for students to increase their employability skills. Due to high market demand in this area, this course is advisable to introduced.	<ol style="list-style-type: none">1. DCNP LAB: Removed old technology DC programs and added simulator based NP programs to the CNLA. This Lab is introduced in R15 3rd year and approved in the BOS meeting held on 25-3-2017.2. Mobile Computing course is introduced in R15 4th year and approved in the BOS meeting held on 28-4-2018.

<p>Alumni</p>	<p>The Alumni suggest the following courses in the curriculum:</p> <ol style="list-style-type: none"> 1. J2EE, Raptor, Machine Learning 2. Advanced Programming Language 3. Advanced explorations of subjects 	<ol style="list-style-type: none"> 1. Machine Learning introduces as professional elective in R15 4th year and approved in the BOS meeting held on 28-4-2018. 2. Suggesting the students to enroll for Python MOOC course. 3. Advanced Data Structures introduced in R15 3rd year and approved in the BOS meeting held on 25-3-2017
<p>Employers</p>	<ol style="list-style-type: none"> 1. Employers highlighted the importance to improve upon the domain knowledge to meet the emerging societal needs. 	<ol style="list-style-type: none"> 1. Digital Image processing is considered to offer as a professional electives in R15 3rd year and approved in the BOS meeting held on 25-3-2017 2. New Courses like Big-Data Analytics, Soft Computing and Cryptography & Network Security introduced in R15 4th year and approved in the BOS meeting held on 28-4-2018.



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Department of Electronics and Communication Engineering Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2017-18

Stakeholder	Suggestions	Action Taken
Alumni	Suggested to include course on product development with emphasis on product design and fabrication.	1. Conducted workshop on Embedded systems for students during 02-01-2018 to 04-01-2018 in association with Andhra Pradesh State Skill Development Corporation (APSSDC)

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Department of Electrical and Electronics Engineering

Consolidated report on Alumni feedback on Curriculum and action taken on Report for the academic year 2017-2018

Stakeholder	Suggestions	Action Taken
Alumni	<ol style="list-style-type: none">1) Suggested to introduce spring boot, python and Big-Data programming skills in curriculum.2) Suggested to enhance the number of industrial visits to explore the present day industrial technology.3) Suggested to introduce Data Science subject the curriculum.	<ul style="list-style-type: none">• Python coding language is included in R-19 regulations as an open elective-I approved in the BoS held on 30th March 2019.


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Department ofInformation Technology.....

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year...2017-18.....

Stakeholder	Suggestions	Action Taken
Students	<ol style="list-style-type: none"> Suggested to introduce Testing topic in UML Suggested to replace Technology management, Intellectual Property Rights subjects with any other trending subject. Suggested to combine Digital Electronics and Computer Organization experiments 	<ol style="list-style-type: none"> Changes were made in the suggested subject for R-19. Analysis was done and the necessity of changes were forwarded for discussion in Board of Studies held on 25/3/2017, and were incorporated in the course structure of R-19. As suggested, both DLD and CO were combined and incorporated in R-19.
Faculty	<ol style="list-style-type: none"> Suggested to add Php and advanced concepts in Web Technology subject. Try to revise the concepts like Memory management which is common for both Operating Systems, Computer Organization subjects. Suggested to integrate Formal Languages and automata Theory and Compiler Design subjects so that scope can be given for inclusion of latest subjects. 	<ol style="list-style-type: none"> After Discussion, Feedback given by the teachers was considered and reflected in corresponding subjects for R-19. As suggested, integrated both subjects in R-19.
Alumni	<ol style="list-style-type: none"> Industry requires practical exposure, so make an effort to incorporate more labs. 	<ol style="list-style-type: none"> Suggestions by the alumni were finalized in Board of Studies held on 25/3/2017 and incorporated elective labs like ETL, DevOps and Advanced Java in R-19.
Employers		

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Department of Mechanical Engineering


Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2017-18

Stakeholder	Suggestions	Action Taken
Students	1. It is suggested to rename the Theory of Machines-II as Dynamics of Machinery	1. The suggestion is good enough and will be implemented in the R-19 regulations.
Faculty	1. Gas power Cycles and their analysis has to be included in Engineering Thermodynamics-III 2. Belt drives topic has to be added in Design of Machine elements -II	1. The suggestion is well received by including the Gas power Cycles and their analysis in 3 rd year 2 nd semester R-15 regulations. This is approved in the BOS held on 25/03/2017. 2. The syllabus is modified by including Belt drives topic in 3 rd year 2 nd semester R-15 regulations. This is approved in the BOS held on 25/03/2017.
Alumni	1. Fluid Mechanics syllabus is vast and requires a review to reduce the contents if possible. 2. software's like CREO has to be introduced in the curriculum.	1. The syllabus of Fluid mechanics was reviewed in Academic Planning and Monitoring cell Meeting in October 2017 and it was decided to merge Fluid Mechanics & Hydraulic Machinery while designing the course structure of upcoming regulations. 2. The suggestion to introduce CREO software as a part of CAD subject was discussed in Academic Planning and Monitoring cell Meeting in October 2017. It was felt that since CAD subject has all the contents required it will not be possible to include this. However it was suggested that training on CREO software can be done through workshops taking the assistance of agencies like APSSDC.

<p>Employer</p>	<p>Name and designation of resource person: Devendra Vara Prasad Sesetti, Assistant Manager, Hyundai Motors. The employer has suggested to incorporate Finite Element Analysis, Robotics, Automation in Manufacturing and Electronics related courses in curriculum.</p>	<p>Based on the valuable feedback given by the employer it is decided in the department meeting that the following subjects will be included as professional elective/open electives</p> <ul style="list-style-type: none"> ➤ Automation in Manufacturing ➤ Robotics ➤ Python/Java programming <p>It is also decided to include a basic subject on Electronics in the first year itself in R-19 regulation. The fundamentals learned through this course will be useful in learning advanced subjects like Automation in Manufacturing, Robotics and Mechatronics.</p>
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