



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Permanently Affiliated to JNT University, Kakinada,
ACCREDITED BY NAAC and Recognised under 2 (f) & 12(b) by UGC, New Delhi.)

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Dr. C.P.V.N.J.Mohan Rao, M.Tech., Ph.D.

Principal

Ref: AIET/2020-21/JNTUK/DAP/01

Date: 12/07/2021

To,
The Director
Academic Planning
JNTU Kakinada
Kakinada- 533003.

Sir/Madam,

Sub: **Submission of Details of Curriculum Gaps - Request for Forwarding in the same to
Boards of Studies of ECE/CSE/EEE/MECH/MBA- Reg.**

I wish to inform that, our ECE/CSE/EEE/MECH/MBA Department has taken Feedback in a systematic format from all the stake holders on the curriculum and scrutinized the reports. The consolidated report of the suggestions is here with forwarded and requests you to arrange the same to Boards of Studies of ECE/CSE/EEE/MECH/MBA for detailed discussion and favorable consideration.

Thanking you,

Encl:

1. Curriculum - Suggestions-ECE
2. Curriculum - Suggestions-CSE
3. Curriculum - Suggestions-EEE
4. Curriculum - Suggestions-MECH
5. Curriculum - Suggestions-MBA


Principal
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Visakhapatnam District., Pin: 531113





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KAKINADA, AP) (An NBA, NAAC Accredited Institution) Tamaram

(v), Makavarapalem (m), Visakhapatnam district-531113

Department of ECE

S. No	Subject Name	Recommendations / Suggestions from Curriculum Feedback
1	Analog Communication	Need to add modern demodulation circuits using Gilbert's gain cell in the syllabus.
2	Random Variables and Stochastic Process	Probability theory has to be added in the syllabus.
3	Very Large Scale Integrated circuit Design	Basic building blocks of analog IC design has to be added in the syllabus.
4	Microwave Engineering	Topics of microwave solid state devices and modern device have to be added in the syllabus.
5	Satellite Communication	Satellite and radar used waveguide components and applications have to be added in the syllabus.
6	Digital Image Processing	Video processing concept has to be added in the syllabus.
7	Radar Systems	Pulse compression and coding has to be added in the syllabus.
8	Electronic Circuit Analysis	Voltage regulator 7804, 78010 series and adjustable voltage regulator topics has to be added in the syllabus.
9	Microwave Engineering	Conformal antenna topic has to be added in the syllabus.
10	Signals and Systems	Digital filters has to be added in the syllabus as they are present in gate syllabus.


Head of the Department


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**AVANTI INSTITUTE OF ENGINEERING AND TECHNOLOGY,
TAMARAI (V. MAKEVARAPALEM) RD.
VISAKHAPATNAM-51113**

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SNO	SUBJECT NAME	RECOMMENDATIONS/SUGGESTIONS FROM CURRICULUM FEEDBACK
1	ELECTRICAL CIRCUIT ANALYSIS-II	DC composition techniques for large scale circuit analysis and simulation has to be added in the syllabus
2	CONTROL SYSTEMS	Hardware software implementation of common compensators
3	POWER SYSTEMS-I	Power factor improvement methods gas turbine power plant has to be added in the syllabus
4	ELECTRO MAGNETIC FIELD	Electro magnetic waves has to be added in the syllabus
5	SWITCH GEAR AND PROTECTION	Detection of faults in an electric power system or industrial process system using digital protective relay has to be added in the syllabus
6	DIGITAL CONTROL SYSTEMS	Implementation of feedback and feed forward controllers has to be added in the syllabus
7	POWER SYSTEM OPERATION AND CONTROL	Modelling of turbine generator and automatic controllers has to be added in the syllabus
8	ELECTRICAL DISTRIBUTION SYSTEMS	Concept of smart grid and its applications has to be added in the syllabus
9	POWER SYSTEM ANALYSIS	Fault on double circuit line has to be added in the syllabus
10	ELECTRICAL MEASUREMENTS	Vector electric field instrument and microwave measurement of electrical in different media has to be added in the syllabus


**HOD
EEE DEPARTMENT**


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Makavarapalem(m) Visakhapatnam district-531113

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NO	SUBJECT NAME	Recommendations/Suggestions from Curriculum Feedback
1	Computer Programming	Graphics Programming has to be added in the Syllabus
2	UNIX Programming	Socket Programming has to be added in the Syllabus
3	JAVA Programming	Basics of OOPs has to be deleted in the Syllabus
4	DataBase Management	Basics of Distributed databases has to be added in the Syllabus
5	Operating Systems	Basics of Distributed Operating Systems has to be added in the Syllabus
6	Data Warehousing and Data Mining	Basics of Big data has to be added in the Syllabus
7	Computer Networks	Network Security concept has to be added in the Syllabus
8	Computer Organization	Basic Parallel Processing and Pipelining has to be added in the Syllabus
9	Python Programming	Numpy-pandas Sk learn packages has to be added in the Syllabus
10	Web Technologies	Angular JS has to be added in the Syllabus
11	Software Project Management	Advanced Model Checking has to be added in the Syllabus
12	Object Oriented Analysis and Design Using UML	More Case studies using nine diagrams has to be added in the Syllabus
13	Design and Analysis of Algorithms	Bubblesort Algorithm has to be deleted in the Syllabus



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Department of Mechanical Engineering

S. No	Subject Name	Recommendations /Suggestions from Curriculum Feedback
2	Dynamics of machinery	Rotor balancing & unbalancing methods are to be added in syllabus
3	Fluid mechanics & hydraulic machinery	Advanced experimental tools like submerged bodies & systems are to be added in syllabus
4	Heat transfer	Implement in CFD model or in design methods is suggested to be added in syllabus
5	Unconventional machining process	System approach & simulate specific manufacturing process to be added in syllabus
6	Automobile engineering	Hybrid super car components and working process to be added in syllabus
7	Mechanics of solids	Computational tools like tensors, deformation tensors to be added in syllabus
8	Thermal engineering II	Experimental and modeling studies are to be added in the syllabus
9	Production technology	Advanced manufacturing process like CNC and computer based process to be added to syllabus
10	CAD/CAM	Usability and user experience in human-system integration is suggested to be added in syllabus


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Department of Mechanical Engg.
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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

S. No	Subject Name	Recommendations /Suggestions from Curriculum Feedback
1	Accounting for Managers	➤ Add "Depreciation Methods" ➤ Activity Based Costing has to be Delete
2	Strategic Financial Management	➤ Evaluation of Leasing has to Delete
3	Financial Management	➤ Add "Decision tree Analysis"
4	Marketing management	➤ Add "Branding, Packaging and Labeling" concepts
5	Performance Evaluation and Compensation Management	➤ Engendering trust topic has to be deleted
6	Managerial Economics	➤ Add "Role of Managerial Economist"


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STUDENT FEEDBACK ACTION TAKEN REPORT

S.No	Observation	Action Taken
1	Students expecting carrier guidance	Planned to conduct in-house Training session from soft skill trainers for improving their aptitude skills towards Campus placements
2	Students felt to have better access to computer and library facilities	Increased the Library and Computer Lab working hours for better access i.e 9:00 AM to 6:00 PM
3	Students asked to provide lectures on recent technology	It is decided to conduct value added courses on Latest softwares
4	Extra Classes for difficult Subject	Based upon internal examination assessment by class teacher extra classes were planned for difficult subject
5	Students are requested for remedial classes	Remedial Classes were planned in the college for Slow learners/ Backlog students
6	Improve the internet facilities	Wi-fi Facility of 100 Mbps speed access will be extended to all students
7	Addition of latest softwares in syllabus towards campus placement	Our institution is affiliated by JNTU Kakinada; We are unable to additional subject in curriculum. So, we will planned to cover latest technologies through Value Added Course/ Certificate Courses




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EMPLOYEEER FEEDBACK ACTION TAKEN REPORT

S. No	Feedback	Action Taken
1	Need to improve coding skills	Planned to conduct in-house Training session from soft skill trainers for improving soft skills
2	The students are be strong in their aptitude skills, as	Intensive training on aptitude training was planned for the next academic year
3	Need to focus on core competency. Work on soft skills and communication skills.	Focus is given on enhancing student's communication skills and programming solving skills.
4	Industry orientated course work on advanced topics like AI and ML	It is decided to conduct value added courses on Latest softwares
5	Work on hands on tools like C and C#	Students were given special training in C and C++ Programming skills
6	Analytical skills and Communication skills	Students were encouraged to come up with real time engineering problems and think of probable solutions.
7	Need to introduce Internships	As an affiliated institution we are able unable to introduce new courses instead of that we are encourage students towards internships during semester breaks. For industrials exposure to students we are planning industrial visits to all students and providing guest lecturers from industry experts.



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ALUMINI FEEDBACK ACTION TAKEN REPORT

S. No	Recommendation	Action Taken
1	Conduct Alumni Meet	Alumni meet is organized every year to share the experiences and suggestions with the present students for motivation and to know the work culture of Industries & Corporate sector
2	Introduce computers & Internet facility to enhance knowledge	Enhanced Ground floor lab with high bandwidth and more number of systems with internet facility for utilization of students
3	Higher Education	GATE Classes are Conduction in the department to help them for Higher Education
4	Arrange guest lecturers towards industrial applications	Arranged Guest/Expert Lectures from Deputed Organizations like Vizag Steel Plant, NTPC, APTRANSCO, BSNL
5	Improve the public speaking skills of students	Planned Soft skills training sessions
6	Requested for more industrial visits	It is decided to organize industrial visit for every year to all students
7	Plan for Membership Professional bodies	Students were motivated and encouraged in taking membership in professional bodies and registered in IET Student Chapter in Department of Mechanical Engineering
8	Need to include latest topics and developments in recommended subjects	As an affiliated institute under JNTU Kakimada, We are unable to additional subjects/revise the syllabus in the curriculum. So, we will planned to cover latest technologies through Value Added Course/ Certificate Courses




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