



D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)

Balusumudi, Bhimavaram - 534 202 W. G. DIST.

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Bhimavaram

Date: 17.07.2019

From
The Principal,
DNR College of Engineering and Technology,
Balusumudi, Bhimavaram - 534202.

To
The Director
Academics and Planning,
Jawaharlal Nehru Technological University (JNTUK),
Kakinada.

Sir,

SUB: DNRCEET-9P Incorporation of Suggestions for Curriculum Revision -Requested-
Reg.

In the Year 2010, DNRCEET was established with the aim of to cater the academic needs of the rural Elite in West Godavari region. The College established Internal Quality Assurance Cell (IQAC) for improving the quality of the institution and in this regard, the feedback was conducted on the curriculum for different stakeholders namely students, Alumni & Employers. Based on the feedback from the stakeholders, it was decided to include the latest advanced courses useful to the student community. To summarize the above aspects, IQAC of DNRCEET came forward with the following suggestions.

1. It is hereby requested to include Strength of Materials-1, Geo-Technical Engg-1 courses etc in Civil Engg. branch.
2. Courses namely Control Systems, Power System Analysis, and Switch Gear & Protection to include for the EEE branch.
3. Also, Electronic Switching systems, Satellite communications, DSP courses etc to include for ECE branch.
4. It is also requested to include courses namely Mobile computing, Web Technologies courses etc. for CSE branch
5. Mechanics of Solids, Thermodynamics, FEM courses to include for Mechanical Engg. Branch.

All the above suggestions with curriculum feedback analysis for the A.Y:2019-20 is enclosed herewith and was humbly requested to incorporate them in the ensuing curriculum revision for the benefit of student community.

Thanking you sir

H. Anand Kumar

PRINCIPAL
D.N.R.College of Engg. & Tech
BHIMAVARAM-534 202



Yours sincerely

[Signature]

Principal
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DNR COLLEGE OF ENGINEERING & TECHNOLOGY: BHIMAVARAM

CURRICULUM FEED BACK ANALYSIS A.Y 2019-20

S.NO	NAME OF THE COURSE	BRANCH	SUGGESTION
1	Structural Analysis	CE	Need More Load Analysis and design
2	Building Materials and Construction Practice	CE	Add EDM methods for planning by Total Station
3	Strength of Materials-I	CE	Add Concept of Shear center in Strength of Materials-I course
4	Geo-Technical Engineering-I	CE	Add Applications of Mind Mapping in Geotechnical Engineering in Geo-Technical Engineering-I course
5	Design & Drawing of Reinforced Concrete Structures	CE	Add Reinforcement of two-way slabs in the course
6	Water Resources Engineering- II	CE	Add Components and design of hydropower plant in the course
7	Power Systems Analysis	EEE	Include the topic Advancements in 220KV Substation Maintenance and Fault Calculations in the course
8	Switch Gear & Protection.	EEE	Add Models of four bar mechanisms to understand output motion in the course
9	Control Systems	EEE	Add Software Tools Used in Electrical Engineering Applications in the course
10	Unconventional machining processes.	ME	Conduct guest lecture on modelling of material removal in magnetic abrasives finishing processes
11	Mechanics of solids	ME	Include the topic of analysis trusses in syllabus
12	Thermodynamics	ME	Include the topic of thermodynamics processes for gases in syllabus
13	Refrigeration and air conditioning	ME	Include an industrial visit for understanding
14	FEM	ME	Add Finite element formulation of shafts, determination of stress and twists in circular shafts.
15	Electronic Measurements and Instrumentation	ECE	Add Industrial instrumentation in EMI course
16	Electronic Switching Systems	ECE	Add interworking with PSTN limitations and solutions in the course
17	Satellite Communications	ECE	Add Advanced Methods to Launch Satellite

			techniques in course
18	Digital Signal Processing	ECE	Add Complementary Transfer Functions in DSP course
19	Antenna and Wave Propagation	ECE	Calculation of isotropic gain of an antenna in course
20	Electronic Devices and Circuits	ECE	Add Hetero Junctions in course
20	Cryptography and Network Security	CSE	Include IDEA and BLOWFISH algorithms in the course
21	Design and Analyses	CSE	Include Knight tour problem topic in DAA course
22	Mobile Computing	CSE	Include I phone Operating System topic in MC course
23	Web Technologies	CSE	Include Exploring Web Using Modern Tools in WT course

H. Shankar

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Bhimavaram
27.07.2018

From
The Principal,
DNR College of Engineering and Technology,
Balusumudi, Bhimavaram – 534202.

To
The Director
Academics and Planning,
Jawaharlal Nehru Technological University (JNTUK),
Kakinada.

SUB: DNR CET(9P) - Suggestions to be incorporated in the Curriculum Revision –Req. –
Reg.

* * *

Sir,

In order to meet the academic demands of the rural elite in the West Godavari region, DNR CET was established in 2010. Feedback on the curriculum was collected by the college's IQAC from a wide range of stakeholders, including students, alumni, and employers. They made a number of proposals, ranging from hosting higher education programme to spark interest among the student body to include various forthcoming courses. Along with the need for courses that benefit the social environment, the stakeholders stressed the necessity for courses that promote entrepreneurship. All of the recommendations made by the stakeholders were well taken and the same are being reporting to university authorities. To sum up the aforementioned elements, the IQAC of DNR CET offers the following recommendations:

1. It is hereby requested to include Foundation Analysis in Structural Analysis course of Civil Engineering department.
2. The inclusion of topic Advancement in 220kv Substation Maintenance and Fault Calculation in the course Power System Analysis of Electrical and Electronics Engineering department is herewith recommended.

3. Include more Number Thermal Power Plant Equipment in Thermal Engineering – I course of Mechanical Engineering department is herewith recommended.
4. Courses on Electronics Measurement and Instrumentation, addition of Industrial Instrumentation of Electronics and Communication Engineering department is recommended.
5. It is hereby requested that a special emphasis is needed on Supervised and Unsupervised Algorithms in ML course of Computer Science and Engineering department.

For the advantage of the student body, the aforementioned recommendations could be included in the upcoming curriculum revision.

Thanking you sir

Yours sincerely

Encl: Copy attached...



H. Arunkumar

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[Signature]
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DNR COLLEGE OF ENGINEERING & TECHNOLOGY: BHIMAVARAM

CURRICULUM FEED BACK ANALYSIS A.Y 2018-19

S.NO	NAME OF THE COURSE	BRANCH	SUGGESTION
1	Structural Analysis	CE	Need foundation analysis
2	Transportation Engineering -I	CE	Need software for the design of roads
3	Strength of Materials-I	CE	Add Concept of Shear center in Strength of Materials-I course
4	Geo-Technical Engineering-I	CE	Add Applications of Mind Mapping in Geotechnical Engineering in Geo-Technical Engineering-I course
5	Design & Drawing of Reinforced Concrete Structures	CE	Add Reinforcement of two-way slabs in the course
6	Water Resources Engineering- II	CE	Add Components and design of hydropower plant in the course
7	Power Systems Analysis	EEE	Include the topic Advancements in 220KV Substation Maintenance and Fault Calculations in the course
8	Switch Gear & Protection.	EEE	Add Models of four bar mechanisms to understand output motion in the course
9	Control Systems	EEE	Add Software Tools Used in Electrical Engineering Applications in the course
10	Thermal Engineering-I	ME	Include more number thermal power plant equipment
11	Kinematics of machinery	ME	Include more number of advanced mechanism
12	Metrology	ME	Include more number of advanced inspection methods
13	Design of machine members-II	ME	Include more number of automobile parts for designing
14	FEM	ME	Add Finite element formulation of shafts, determination of stress and twists in circular shafts.
15	Electronic Measurements and Instrumentation	ECE	Add Industrial instrumentation in EMI course
16	Electronic Switching Systems	ECE	Add interworking with PSTN limitations and solutions in the course
17	Satellite Communications	ECE	Add Advanced Methods to Launch Satellite techniques in course

18	Digital Signal Processing	ECE	Add Complementary Transfer Functions in DSP course
19	Antenna and Wave Propagation	ECE	Calculation of isotropic gain of an antenna in course
20	Electronic Devices and Circuits	ECE	Add Hetero Junctions in course
20	Machine learning	CSE	Include Supervised and Unsupervised Algorithms topic in ML course
21	Internet of Things	CSE	Include Wearable health monitors , Disaster management, Biometric security and farming topic in IOT course
22	Advanced Data Structures	CSE	Include the topic Dynamic stack and Fusion tree algorithm in ADS.
23	Operating Systems	CSE	Add the concept of Real time Operating System

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Bhimavaram
18.07.2017

From
The Principal,
DNR College of Engineering and Technology,
Balusumudi, Bhimavaram – 534202.

To
The Director
Academics and Planning,
Jawaharlal Nehru Technological University (JNTUK),
Kakinada.

Sub: DNRCEET(9P) – Suggestions to be incorporated in University Curriculum revision – for
the A.Y. 2017–18 – Requested – Reg.

* * *

Sir,

DNRCEET was founded in 2010 to satisfy the academic requirements of the West Godavari region's rural elite. We bring to your kind notice, that we collected feedback on Curriculum for the academic year 2017-18 from the stakeholders like faculty, alumni, students. They submitted several suggestions, from presenting higher education programs to encourage the student to participate to include various upcoming courses. The stakeholders emphasized the requirement for courses that support entrepreneurship along with the need for courses that serve society. So we request you to include the same in upcoming regulations so that the student community will be benefited. To sum up the aforementioned elements, the IQAC of DNRCEET offers the following recommendations:

1. It is hereby requested that the Highway Construction course in Civil Engineering department is to be included.
2. The inclusion of Software Tools Used in Electrical Engineering Applications in the course for the Electrical & Electronics Engineering Branch is also recommended.

3. Add Hetero Junctions in course Electronic Devices and Circuits for Electronics and Communication Engineering department.
4. Include Parsing and Ambiguity of CFG in Compiler Design for Computer Science and Engineering department.

The aforementioned suggestions could be incorporated into the next curriculum revision for the benefit of the students.

Thanking you sir


Yours sincerely

Encl: Copy attached...



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CURRICULUM FEED BACK ANALYSIS A.Y 2017-18

S.NO	NAME OF THE COURSE	BRANCH	SUGGESTION
1	Transportation Engineering-I	CE	Add Highway Construction and its elements in TE- I course
2	Building Materials & Construction	CE	Include Reinforced glass bricks and application of grouting in the Building Materials & Construction course
3	Strength of Materials-I	CE	Add Concept of Shear center in Strength of Materials-I course
4	Geo-Technical Engineering-I	CE	Add Applications of Mind Mapping in Geotechnical Engineering in Geo-Technical Engineering-I course
5	Design & Drawing of Reinforced Concrete Structures	CE	Add Reinforcement of two-way slabs in the course
6	Water Resources Engineering- II	CE	Add Components and design of hydropower plant in the course
7	Power Systems Analysis	EEE	Include the topic Advancements in 220KV Substation Maintenance and Fault Calculations in the course
8	Switch Gear & Protection.	EEE	Add Models of four bar mechanisms to understand output motion in the course
9	Control Systems	EEE	Add Software Tools Used in Electrical Engineering Applications in the course
10	Mechatronics	ME	Add satellite remote sensing based societal application in the course
11	FMHM	ME	Add Hydraulic & Pneumatic including PLC in the course
12	R&AC	ME	Add Heavy ventilation and air conditioning in industries
13	DMM-I	ME	Add Principle stresses applications in real time in course
14	FEM	ME	Add Finite element formulation of shafts, determination of stress and twists in circular shafts.
15	Electronic Measurements and Instrumentation	ECE	Add Industrial instrumentation in EMI course
16	Electronic Switching Systems	ECE	Add interworking with PSTN limitations and solutions in the course

17	Satellite Communications	ECE	Add Advanced Methods to Lunch Satellite techniques in course
18	Digital Signal Processing	ECE	Add Complementary Transfer Functions in DSP course
19	Antenna and Wave Propagation	ECE	Calculation of isotropic gain of an antenna in course
20	Electronic Devices and Circuits	ECE	Add Hetero Junctions in course
20	Cryptography and Network Security	CSE	Include IDEA and BLOWFISH algorithms in the course
21	Compiler design	CSE	Include Parsing and Ambiguity of CFG in CD course
22	Database Management Systems	CSE	Provide more information and relevant examples about normal forms in DBMS course
23	Computer Networks	CSE	Need more classification about addressing modes in the CN course

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