COURSE OUTCOME FEEDBACK (Physics Group)

B.TECH. FIRST YEAR EVEN SEMESTER SESSION 2022-23

respondent's email (peeyushrajput321@gmail.com) was recorded on submission of this form

INSTRUCTIONS
Attention: This is not a faculty feedback.

1. This is the official data used for NBA purposes. Give your correct details as your feedback is valuable.

2. Read each of the Course Outcomes (COs) carefully and as per your observation rate how much you have attained after reading the course.

Section *

▼

NUMBER *

2900130040

BRANCH *

▼

STUDENT FULL NAME *

Chauhan

Respond below with tick mark
5 - Excellent, 4 - Very Good, 3 - Good, 2 - Average, 1 - Poor.

SUBJECT-1. MATHEMATICS-II (THEORY) SUBJECT CODE: B...-...

Mathematics-II CO's FEEDBACK *

	5	4	3	2	1
CO-1 : Remember the concept differentiation to evaluate LDE of nth order with constant coefficient and LDE with variable coefficient of 2nd order.	●	○	○	○	○
CO-2: Understand and apply the concept of Laplace Transform to evaluate differential equations.	●	○	○	○	○
CO-3: Understand the concept of convergence to analyze the convergence of series and expansion of the function for Fourier series.	●	○	○	○	○
CO-4: Apply the concept of analyticity, Harmonic function and create the image of function applying conformal transformation.	●	○	○	○	○

| CO-5: Apply the concept of Cauchy Integral theorem, Cauchy Integral formula, singularity and calculus of residue to evaluate integrals. | ● | ○ | ○ | ○ | ○ |

SUBJECT 2:ENGG. PHYSICS (THEORY)   SUBJECT CODE: BAS-201

Physics CO's FEEDBACK *

	5	4	3	2	1
CO-1:To explain the distribution of energy in black body radiation and to understand the difference in particle and wave nature with explanation of Compton effect and Schrodinger wave equation.	◉	○	○	○	○
CO-2: To understand the concept of displacement current and consistency of Ampere's law and also the properties of electromagnetic waves in different medium with the use of Maxwell's equations.	◉	○	○	○	○
CO-3: To understand the behavior of waves through various examples/applications of interference and diffraction phenomenon and the concept of grating and resolving power	◉	○	○	○	○
CO-4: To know the functioning of optical fiber and its properties and	◉	○	○	○	○

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	5	4	3	2	1
applications. To understand the concept, properties and applications of Laser.					
CO-5: To know the properties and applications of superconducting materials and nano-materials.	◉	○	○	○	○

SUBJECT 3: ENGG. PHYSICS (LAB)   SUBJECT CODE: BAS-251

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Physics Lab CO's FEEDBACK *

	5	4	3	2	1
CO-1 Apply the principle of interference and diffraction to find the wavelength of monochromatic and polychromatic light.	◉	○	○	○	○
CO-2 Compute and analyze various electrical and electronic properties of a given material by using various experiments.	◉	○	○	○	○
CO-3: Verify different established laws with the help of optical and electrical experiments.	◉	○	○	○	○
CO-4: Determine and calculate various physical properties of a given material by using various experiments.	◉	○	○	○	○
CO-5 Study and estimate the performance and parameter of given equipment by using	◉	○	○	○	○

graphical and computational analysis.

SUBJECT 4 FUNDAMENTALS OF ELECTRICAL ENGINEERING THEORY

SUBJECT CODE: BEE-201

Electrical CO's FEEDBACK *

	5	4	3	2	1
CO-1: Apply the concepts of KVL/KCL in solving DC circuits.	◉	○	○	○	○
CO-2. Analyze the steady state behavior of single phase AC circuits with different combinations of load and in resonance conditions. Produce the voltage and current relation in three phase AC circuits.	◉	○	○	○	○
CO-3: Apply the fundamentals of AC circuits to analyze the behavior of a two winding transformer subjected to various types of load and identify the application areas of a single phase two winding transformer.	◉	○	○	○	○
CO-4: Illustrate the working principle of induction motor,	◉	○	○	○	○

	5	4	3	2	1
synchronous machine, DC machine and Choose the suitable areas of applications.					
CO-5: Describe the components of low voltage electrical installations and perform elementary calculations for energy consumption.	◉	○	○	○	○

SUBJECT 5, BASIC ELECTRICAL ENGINEERING LAB   SUBJECT CODE: KEE-251

Electrical Engineering Lab CO's FEEDBACK *

	5	4	3	2	1
CO-1 Apply KVL/KCL in any given DC electrical circuits.	◉	○	○	○	○
CO-2: Demonstrate the behavior of AC circuits connected to single phase AC supply and measure power in single phase as well as three phase electrical circuits.	◉	○	○	○	○
CO-3: Calculate the efficiency of a transformer and DC shunt motor under various loaded conditions and sketch their performance characteristics.	◉	○	○	○	○
CO-4: Examine speed and reversal of direction of three phase induction motor.	◉	○	○	○	○
5 Recognize the type of DC and AC machines based on their construction.	◉	○	○	○	○

... chines based on their construction.

SUBJECT 6: FUNDAMENTALS OF MECHANICAL ENGINEERING (THEORY)   SUBJECT CODE: BME-201

Mechanical CO's FEEDBACK *

	5	4	3	2	1
CO-1: Apply the concept of force resolution and stress and strain to solve basic problems.	◉	○	○	○	○
CO-2: Understand the construction details and working of internal combustion engines, electric vehicle and hybrid vehicles.	◉	○	○	○	○
CO-3: Explain the construction detail and working of refrigerator, heat pump and air conditioner.	◉	○	○	○	○
CO-4: Understand fluid properties, conservation laws and hydraulic machinery used in real	◉	○	○	○	○
CO-5: Understand the working principle of different measuring instrument and mechatronics with their	◉	○	○	○	○

advantages, scope and
Industrial application.

SUBJECT: WORKSHOP PRACTICE (LAB)   SUBJECT CODE: BWS-251

Mehanicla Lab CO's FEEDBACK *

	5	4	3	2	1
CO-1:Use various engineering materials, tools, machines & measuring instruments.	◉	○	○	○	○
CO-2: Perform manufacturing operations on components in fitting shop.	◉	○	○	○	○
CO-3 Perform manufacturing operations on components in carpentry shop	◉	○	○	○	○
CO-4 Perform machine operations in lathe machine.	◉	○	○	○	○
CO-5: Perform joining operations in welding shop.	◉	○	○	○	○

SUBJECT 2: Soft Skills (THEORY)   SUBJECT CODE: BAS-205

Soft Skills CO's FEEDBACK *

	5	4	3	2	1
CO-1: Write professionally in simple and correct English.	◉	○	○	○	○
CO-2: Demonstrate active listening with comprehension, and the ability to write clear and well structured emails and proposals.	◉	○	○	○	○
CO-3: Learn the use of correct body language and tone of voice to enhance communication.	◉	○	○	○	○
CO-4: Acquire the skills necessary to communicate effectively and deliver presentations with clarity and impact.	◉	○	○	○	○
CO-5: Understand and apply some important aspects of core skills, like Leadership and stress management.	◉	○	○	○	○

SUBJECT 9: ENGLISH LANGUAGE LAB(THEORY)   SUBJECT CODE: BAS-255

Language Lab CO's FEEDBACK *

	5	4	3	2	1
CO-1: Students will be enabled to understand the basic objective of the course by being acquainted with specific dimensions of communication skills i.e. Reading, Writing, Listening, Thinking and Speaking.	◉	○	○	○	○
CO-2: Students would be able to create substantial base by the formation of strong professional vocabulary for its application at different platforms and through numerous modes as Comprehension, reading, writing and speaking etc.	◉	○	○	○	○
CO-3: Students will apply it at their work place for writing purposes such as Presentation/official drafting/administrative communication and use it for document/project/report/research paper writing.	◉	○	○	○	○

CO-4: Students will be made
to evaluate the correct and
error-free writing by being
well-versed in rules of
English grammar and
cultivate relevant technical
style of communication
& presentation at their work
place and also for academic
uses.

○ ● ○ ○ ○ ○

CO-5: Students will apply it
for practical and oral
presentation purposes by
being honed up in
presentation skills and
voice-dynamics. They will
apply techniques for
developing interpersonal
communication skills and
positive attitude leading to
their professional
competence.

● ○ ○ ○ ○

DISCLAIMER *

☑ I HAVE READ & UNDERSTAND EACH COURSE OUTCOMES OF DIFFERENT SUBJECT IN THEORY AND PRACTICAL.

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