S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR

(An Autonomous Institute, Affiliated to R. T. M. Nagpur University)

Department of
Electronics and Telecommunication Engineering

"Emerge as a center for quality education in Electronics & Telecommunication Engineering together to create competent professionals"

Ref. No.: SBJITMR/ETC Dept./2022-23/ODD/EXT/168

Date: 02/02/2023

To,

The IQAC In-charge,

SBJITMR,

Nagpur.

Subject: Course End Survey and Student Satisfaction Survey reports of Third and Fifth Semesters for Academic Session 2022-23 (ODD).

Respected Sir,

The department has successfully conducted Course End Survey and Student Satisfaction Survey for Third and Fifth Semesters for Academic Session 2022-23 (ODD). The reports of the same are put forth for your kind information.

Thanking you,

Yours Sincerely

Dr. Abhay R. Kasetwar

Head of Department

CC To:

The Principal Office,

Dean Academics

Enclosure:

1. Course End Survey reports of Third and Fifth Semesters.

2. Student Satisfaction Survey reports of Third and Fifth Semesters.

Sir Shantilal Badjate Charitable Trust, Nagpur
S. B. Jain Institute of Technology, Management & Research, Nagpur (Approved
by AICTE, An Autonomous Institute) Affiliated to R. T. M. Nagpur University
Department of Electronics and Telecommunication Engineering

Session 2022-23 (ODD)
Course-End Survey Report

Year/Semester: Second/III

Number of responders: 47/69

Course Name: Engineering Mathematics-III

Course Code: BSCET301T

Questions	% Feedback
Rate your understanding about initial value problem and its solution using Laplace transform?	66.81%
Rate your understanding about the Unit step function & Inverse Laplace Transform?	69.36%
Rate your ability to find Fourier cosine and sine transform?	68.94%
Rate your ability to find Fourier series of functions?	68.51%
Rate your understanding about extremum of the functional by using Euler's equation?	70.21%
Rate your ability to understand D'Moivre's theorem & its applications?	68.09%
Rate your ability to understand Analytic function and Harmonic function?	68.94%
Rate your ability to evaluate complex integral by using Cauchy's formula and Residue method?	68.51%
Rate your ability to understand the concept of method of Separation of Variables?	73.62%
Rate your understanding about evaluation of the solution of Higher order linear Partial Differential Equation with constant coefficient?	71.91%
Total Feedback	69.49%

Prof. M. Waseem Akram
Feedback In-charge

Dr. Abhay R. Kasetwar
Head of Department

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Session 2022-23 (ODD)
Course-End Survey Report

Year/Semester: Second/III

Number of responders: 50/69

Course Name: Electronics Devices & Circuits

Course Code: PCCET301T

Questions	% Feedback
Are you able to determine performance parameters of BJT?	62.00%
Are you able to calculate D.C operating point?	59.60%
Are you able to interpret effect of negative feedback on circuit?	62.00%
Are able to identify and design oscillators?	60.80%
Are you able to compare performance of power amplifiers?	59.60%
Are you able to compare stability of different stabilization and compensation techniques?	58.00%
Are you able to solve problems based questions on op-amp?	62.00%
Are you able to design linear application of op-amp?	60.40%
Are you able to design non linear application of op-amp?	64.00%
Are you able to design application using IC555?	62.00%
Total Feedback	61.04%

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Feedback In-charge

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Session 2022-23 (ODD)
Course-End Survey Report

Number of responders: 58/69

Year/Semester: Second/III

Course Code: PCCET302T

Course Name: Digital Electronics

Questions	% Feedback
Are you able to understand various number systems, conversions and logic gates?	68.62%
Do you able to plot karnaugh map for SOP and POS form?	68.97%
Do you able to understand the different combinational circuits (MUX, DEMUX etc) and their design?	66.90%
Are you able to understand the difference between combinational and sequential circuits?	67.93%
Are you able to understand different types of flip flops?	67.24%
Are you able to understand and design the different types of synchronous and asynchronous counters?	65.86%
Are you able to understand different types shift Registers?	68.62%
Are you able to design sequential Circuit using Melay & Moore FSM?	65.86%
Are you able to understand the Concept of Finite state machines?	66.21%
Are you able to understand the concept of convertors and programmable logic devices (PLD)?	67.93%
Total Feedback	67.41%

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Feedback In-charge

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Session 2022-23 (ODD)
Course-End Survey Report

Year/Semester: Second/III

Number of responders: 41/69

Course Name: Network Theory

Course Code: PCCET303T

Questions	% Feedback
Are you able to reduce a given electrical network containing energy sources and impedance to a single source?	63.90%
Are you able to able to calculate the response of a given network (I, V or P) by using either Basic Methods i.e. Mesh and Node Analysis Methods?	65.85%
Are you able to able to calculate the response of a given network (I, V or P) by Special Methods i.e. Network Theorems?	61.95%
Do you the advantages of using Laplace Transform in Network Analysis?	62.93%
Do you that how to model R, L and C in Laplace Domain with or without initial conditions?	61.95%
Are you able to analyze and determine the desired network response in a given network by using Laplace Transform?	60.98%
Do you know that how to calculate a Network Function and identify its poles and zeros for a given two port network?	63.41%
Do you know that how to analyze a given two port network from any parameters of interest?	61.95%
Are you able to design a series or parallel resonant circuit to meet the given specifications?	60.98%
Do you know the characteristics of passive filters and how to design them to meet the desired specifications?	59.02%
Total Feedback	62.29%

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Session 2022-23 (ODD)

Course-End Survey Report

Year/Semester: Second/III

Number of responders: 40/69

Course Name: Object Oriented Programming & Data Structure

Course Code: PCCET304T

Questions	% Feedback
Do you have adequate knowledge about Object Oriented Programming concepts such as Class, Object, Access Control, Scope Resolution Operator, Constructor, Destructors?	67.00%
Would you be able to construct a class & its objects and demonstrate their use in problem solving?	70.50%
Are you familiar with overloading and inheritance used in problem solving?	70.00%
Are you familiar with the concepts of Data Structures such as Array, Linked List, Stack, Queue, Tree etc.?	69.50%
Would you be able to identify and apply suitable data structures depending upon the given data sets?	67.00%
Will you be able to apply the concepts of arrays and linked list in the implementation of stack and queue?	69.00%
Can you apply and analyze suitable sorting technique for a given data set?	67.50%
Will you be able apply appropriate searching techniques for a given problem statement?	70.00%
Will you be able apply appropriate searching techniques for a given problem statement?	69.50%
Will you be able to create an application using the concepts of Object Oriented Programming & Data Structures?	68.00%
Total Feedback	68.80%

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Feedback In-charge

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Session 2022-23 (ODD)
Course-End Survey Report

Year/Semester: Second/III

Number of responders: 48/69

Course Name: Electronics Devices & Circuits Lab

Course Code: PCCET301P

Questions	% Feedback
Are you able to simulate biasing circuit on Ltspice and interpret effect of temperature on circuit parameters?	49.58%
Are you able to design NMOS transistors and estimate its performance characteristics?	50.00%
Are you able to do spice simulations and hardware implementation on inverting and non-inverting OPAMP?	47.92%
Are you able to plot transient and frequency response of Common emitter transistor amplifier using LtSpice?	49.58%
Are you able to do comparison on different feedback amplifiers	50.83%
Are you able to design and simulate OPAMP integrator circuit and estimate its faithful frequency band?	50.42%
Are you able to design and simulate OPAMP differentiator circuit and estimate its faithful frequency band?	50.42%
Are you able to design full wave rectifier using OPAMP?	50.83%
Are you able to design a system to control home appliances using BJT as switch?	51.25%
Are you able to design and outline specification sheet of flasher circuit?	47.92%
Total Feedback	49.88%

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Feedback In-charge

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Session 2022-23 (ODD)
Course-End Survey Report

Year/Semester: Second/III

Number of responders: 51/69

Course Name: Digital Electronics Lab

Course Code: PCCET302P

Questions	% Feedback
Are you able to realize and simulate half adder and full adder circuit?	67.06%
Are you able to realize MUX and DEMUX circuit?	62.75%
Are you able to realize BCD to seven segment Decoder circuit on breadboard?	66.67%
Are you able to design and simulate different types of Flip Flops using universal gates?	64.71%
Are you able to simulate Counters on Proteus Simulator?	63.53%
Are you able to design and Simulate Programmable Logic Devices?	63.92%
Total Feedback	64.77%

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Session 2022-23 (ODD)

Course-End Survey Report

Number of responders: 42/69

Year/Semester: Second/III

Course Code: PCCET304P

**Course Name: Object Oriented Programming
& Data Structure Lab**

Questions	% Feedback
Can you apply the concepts of operator overloading, inheritance, polymorphism etc. to solve the given problem statement?	70.48%
Can you choose and apply appropriate data structures for problem solving?	71.43%
Will you be able implement a queue using linked list?	68.57%
Will you be able to select and apply appropriate sorting technique for a given data set?	70.95%
Can you implement insertion sort technique to a given data set and determine its time complexity?	70.95%
Will you be able to create a small application based on your knowledge gain from this course?	70.48%
Total Feedback	70.48%

Prof. M. Waseem Akram
Feedback In-charge

Dr. Abhay R. Kasetwar
Head of Department

Session 2022-23 (ODD)

Course-End Survey Report

Year/Semester: Third / V

Number of responders: 107/135

Course Name: Microprocessor & Microcontroller

Course Code: (PCCET502T)

Questions	% Feedback
Do you understand the concept and utility of microprocessor?	69.91%
Do you understand the concept and utility of microprocessor?	69.16%
Do you understand the difference between microprocessor and microcontroller?	70.84%
Will you be able to design an application/program for the given problem using microprocessor and microcontroller?	70.28%
Do you know how to interface memory with microprocessor?	71.11%
Do you understand the necessity of peripherals in microprocessor system?	71.03%
Do you understand how to interface input /output devices with microprocessor and microcontroller?	72.34%
Do you understand the concept and need of Timer / Counter?	71.96%
Will you be able to design and transmit the data serially using microprocessor and microcontroller?	73.27%
Will you be able to develop a real life application based on microprocessor/Microcontroller as per the need?	72.34%
Total Feedback	71.22%

Prof. M. Waseem Akram
Feedback In-charge

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Session 2022-23 (ODD)

Course-End Survey Report

Year/Semester: Third / V

Number of respondents: 4 ...

Course Name: Analog Communication

Course Code: PCCT 15031

Questions	% Feedback
Do you have adequate knowledge about the various elements of communication system and the need of modulation in communication?	72.68%
Are you able to evaluate the performance of various amplitude modulation techniques like DSB-FC, DSB-SC. SSB and VSB in time and frequency domain?	73.98%
Are you able to identify and analysis the various angle modulation techniques like FM and PM?	74.29%
Are you able classify the various pulse modulation techniques?	73.57%
Would you be able to generate the continuous and pulse modulated signals?	74.29%
Are you able to identify and evaluate the effect of noise in the communication system?	75.89%
Would you be able to evaluate the performance of communication system in the presence of noise?	75.00%
Are you able to apply various demodulation/detection techniques in order to recover the original information carrying signal (Message signal)?	76.61%
Would you be able you compare the AM and FM receivers?	74.82%
Are you able to justify microphone and loudspeaker as an acoustic transducers?	74.82%
Total Feedback	74.59%

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Session 2022-23 (ODD)
Course-End Survey Report

Year/Semester: Third / V

Number of responders: 49/60

Course Name: CMOS-VLSI

Course Code: (PECET501T)

Questions	% Feedback
Are you able to understand basic principles of VLSI circuits?	73.06%
Do you have the sufficient knowledge of CMOS inverter characteristic?	73.47%
Are you able to understand the performance estimation of MOS transistors?	73.47%
Do you have adequate knowledge of process flow for CMOS fabrication technology?	73.47%
Are you able to apply testing techniques on designing of VLSI subsystems?	73.06%
Are you able to evaluate performance parameters of various CMOS logic designs?	73.06%
Are you able to evaluate various design issues in CMOS circuits?	75.10%
Will you be able to implement logic gates layout design using stick diagram?	75.60%
Will you be able to design various logic gates using CMOS logics?	75.10%
Are you able to understand chip level and system level testing in VLSI circuits?	73.88%
Total Feedback	73.93%

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Session 2022-23 (ODD)

Course-End Survey Report

Year/Semester: Third / V

Number of responders: 58/75

Course Name: Digital Image Processing

Course Code: (PECET503T)

Questions	% Feedback
Are you able to understand basic concepts of Digital Image Processing?	74.83%
Have you gained knowledge of the different types of images?	75.86%
Are you able to understand Image sensing and aquazition, sampling and quantization?	78.28%
Are you able to understand various Image Enhancement Techniques?	76.21%
Are you able to apply Histogram Processing Technique?	77.59%
Are you able to apply different transformation methods on given Image?	76.55%
Are you able to apply Hough transformation methods on given Image?	76.55%
Are you able to understand Huffman coding, LZW coding, Arithmatic coding?	76.55%
Are you able to differentiate between Lossless and Lossy Predictive Coding?	78.28%
Are you able to apply different algorithms on given Images?	76.90%
Total Feedback	76.76%

Prof. M. Waseem Akram
Feedback In-charge

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Session 2022-23 (ODD)
Course-End Survey Report

Year/Semester: Third / V

Number of responders: 106/135

Course Name: Economics & Finance for Engineers

Course Code: (HSMCET501T)

Questions	% Feedback
Do you have clear concept about Economics?	70.19%
Do you have knowledge of elasticity of demand for taking managerial decision?	70.19%
Do you have clear understanding about Financial Statement?	71.70%
Are you able to ascertain profit and loss?	71.89%
Are you able to make Financial Statement?	73.58%
Do you have understanding about various ratios?	73.40%
On the basis of ratio are you able to interpret?	72.83%
On the basis of Time value of money you are able to compute Present value?	71.59%
On the basis of Time value of money you are able to compute Future value?	71.13%
Total Feedback	71.69%

Prof. M. Waseem Akram
Feedback In-charge

Dr. Abhay R. Kasetwar
Head of Department

Session 2022-23 (ODD)
Course-End Survey Report

Year/Semester: Third / V

Number of responders: 66/134

Course Name: Wireless Sensor Network

Course Code: (OECET501T)

Questions	% Feedback
Are you able to understand basic concepts of WSN?	70.61%
Do you have the sufficient knowledge of hardware components of WSN?	74.55%
Are you able to understand the performance of nodes in WSN?	73.94%
Do you have adequate knowledge of MATLAB software for WSN?	73.33%
Are you able to apply routing protocols for enhancing security?	75.45%
Are you able to evaluate performance of nodes based on QOS parameters?	76.06%
Are you able to evaluate various design issues in WSN?	73.94%
Will you be able to implement real time applications on WSN?	75.76%
Will you be able to design WSN for disaster management?	73.03%
Are you able to work on operating system related to WSN?	74.24%
Total Feedback	74.09%

Prof. M. Waseem Akram
Feedback In-charge

Dr. Abhay R. Kasetwar
Head of Department

Session 2022-23 (ODD)
Course-End Survey Report

Year/Semester: Third / V

Number of responders: 102/135

Course Name: Microprocessor & Microcontroller Lab

Course Code: (PCCET502P)

Questions	% Feedback
Are you able to implement microprocessor assembly language program on trainer kit?	70.59%
Are you able implement assembly language program in MASM software?	71.18%
Are you able to apply knowledge and demonstrate programming proficiency using the various addressing modes and data transfer instructions of microprocessor ?	71.57%
Are you able to interface microprocessor and microcontroller with various peripherals to develop real world applications?	68.43%
Can you simulate and develop programs using Keil software ?	70.20%
Can you design and implement microcontroller based systems ?	70.98%
Total Feedback	70.49%

Prof. M. Waseem Akram
Feedback In-charge

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Session 2022-23 (ODD)

Course-End Survey Report

Year/Semester: Third / V

Number of responders: 108/135

Course Name: Analog Communication Lab

Course Code: (PCCET503P)

Questions	% Feedback
Will you be able to analyse the fundamental parameters of various pulse modulation techniques like PAM, PWM, PPM and PCM?	72.78%
Can you choose and apply appropriate pulse modulation technique to design any real time application of communication?	73.37%
Will you be able to evaluate the performance of various continuous modulation and demodulation techniques like AM, DSB-SC, SSB-SC and FM used in communication systems?	72.96%
Will you be able to select and apply appropriate modulation technique to design a communication system for given problem?	74.81%
Can you implement various modulation and demodulation techniques by using modern simulation tools?	73.33%
Can you design a communication module using modern simulation tools based on your knowledge gained from this course?	72.96%
Total Feedback	73.70%

Prof. M. Waseem Akram
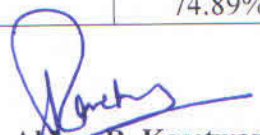Feedback In-charge

Dr. Abhay R. Kasetwar
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Session 2022-23 (ODD)
Course-End Survey Report

Year/Semester: Third / V

Number of responders: 107/135

Course Name: Java Programming Lab

Course Code: PCCET501P

Questions	% Feedback
Can you apply the concepts of operator overloading, inheritance, polymorphism etc. to solve the given problem statement?	70.84%
Can you use the concept of Interfaces and Packages for problem solving?	71.21%
Will you be able to read and write the data to an URL?	72.71%
Will you be able to implement communication between a Client & Server Machines?	73.08%
Can you develop mini application using Java Spring Boot?	72.34%
Will you be able to create a small application based on your knowledge gain from this course?	72.52%
Total Feedback	72.12%

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Session 2022-23 (ODD)
Students Satisfaction Survey Report

Year/Semester: Second/III   **Number of responders: 48/69**

Questions	% Feedback
How much of the syllabus was covered in the class?	82.26%
How well did the teachers prepare for the classes?	80.40%
How well were the teachers able to communicate?	76.92%
The teacher's approach to teaching can best be described as	74.55%
Fairness of the internal evaluation process by the teachers.	78.11%
Was your performance in assignments discussed with you?	77.20%
The institute takes active interest in promoting internship opportunities for students.	72.45%
The teaching and mentoring process in your institution facilitates you in cognitive, social and emotional growth.	71.60%
The institution provides multiple opportunities to learn and grow.	73.33%
Teachers inform you about your expected competencies, course outcomes and programme outcomes and review the course syllabus in the class.	76.86%
Your mentor does a necessary follow-up with an assigned task to you.	75.92%
The teachers illustrate the concepts through examples and applications.	77.50%
The teachers identify your strengths and encourage you with providing right level of challenges.	74.58%
Teachers are able to identify your weaknesses and help you to overcome them.	72.50%
The institution makes effort to engage students in the monitoring, review and continuous quality improvement of the teaching learning process.	72.92%
The institute/ teachers use student centric methods, such as experiential learning, participative learning and problem solving methodologies for enhancing learning experiences.	73.75%
Teachers encourage you to participate in extracurricular activities.	72.00%
Efforts are made by the institute/ teachers to inculcate soft skills, life skills and employability skills to make you ready for the world of work.	70.83%
What percentage of teachers uses ICT tools such as PPTs, Multimedia, animations, etc. while teaching.	70.37%
The overall quality of teaching-learning process in your institute is very good.	73.33%
Total Feedback	74.89%

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Feedback In-charge

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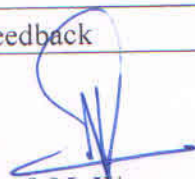### Session 2022-23 (ODD)
Students Satisfaction Survey Report

Year/Semester: Third/V   **Number of responders: 111/135**

Questions	% Feedback
How much of the syllabus was covered in the class?	83.55%
How well did the teachers prepare for the classes?	82.56%
How well were the teachers able to communicate?	82.24%
The teacher's approach to teaching can best be described as	81.20%
Fairness of the internal evaluation process by the teachers.	80.98%
Was your performance in assignments discussed with you?	82.09%
The institute takes active interest in promoting internship opportunities for students.	76.84%
The teaching and mentoring process in your institution facilitates you in cognitive, social and emotional growth.	79.82%
The institution provides multiple opportunities to learn and grow.	79.32%
Teachers inform you about your expected competencies, course outcomes and programme outcomes and review the course syllabus in the class.	81.74%
Your mentor does a necessary follow-up with an assigned task to you.	80.68%
The teachers illustrate the concepts through examples and applications.	83.36%
The teachers identify your strengths and encourage you with providing right level of challenges.	79.16%
Teachers are able to identify your weaknesses and help you to overcome them.	79.82%
The institution makes effort to engage students in the monitoring, review and continuous quality improvement of the teaching learning process.	81.22%
The institute/ teachers use student centric methods, such as experiential learning, participative learning and problem solving methodologies for enhancing learning experiences.	81.21%
Teachers encourage you to participate in extracurricular activities.	79.30%
Efforts are made by the institute/ teachers to inculcate soft skills, life skills and employability skills to make you ready for the world of work.	80.52%
What percentage of teachers uses ICT tools such as PPTs, Multimedia, animations, etc. while teaching.	79.14%
The overall quality of teaching-learning process in your institute is very good.	80.88%
Total Feedback	80.79%

Prof. M. Waseem Akram
Feedback In-charge

Dr. Abhay R. Kasetwar
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Department of
Electronics and Telecommunication Engineering
"Emerge as a center for quality education in Electronics & Telecommunication Engineering, so as to create competent professionals"

Ref. No.: SBJITMR/ETC Dept./2022-23/EVEN/EXT/140　　　　　　　**Date: 19/06/2023**

To,

The IQAC In-charge,

S. B. J. I. T. M. R.,

Nagpur.

Subject: Reports and Action Taken Reports of Course End Survey & Student Satisfaction Survey of IV semester and VI semester, and Teacher's Feedback for Academic Session 2022-23 (EVEN).

Respected Sir,

The department has successfully conducted Course End Survey & Student Satisfaction Survey for IV semester and VI semester, and Teacher's Feedback for Academic Session 2022-23 (EVEN). The reports of the same and report on action taken against the issues received in are put forth for your kind information.

Thanking you,

Yours Sincerely

Dr. Abhay R. Kasetwar

Head of Department

CC To:

The Principal Office,

Office of Dean Academics

Enclosure:

1. Reports of Course End Survey & Student Satisfaction Survey of IV semester and VI semester, and Teacher's Feedback.

2. Action Taken Reports of Course End Survey & Student Satisfaction Survey of IV semester and VI semester, and Teacher's Feedback.

S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR

(An Autonomous Institute, Affiliated to R. T. M. Nagpur University)

Department of
Electronics and Telecommunication Engineering

"Emerge as a center for quality education in Electronics & Telecommunication Engineering, so as to create competent professionals"

Session 2022-23 (EVEN)

Report on Action Taken against Course End Survey

Year: Second & Third
Semester: IV & VI

Date: 19/06/2023

- The Head of department has discussed the feedback of course end survey with all the faculty members of IV semester and VI semester.

- For the courses with satisfactory feedbacks in IV and VI semesters, the Head of Department appreciated the respective faculty members and motivated them to further enhance their performance in the respective courses.

- In Third year, for the courses Digital System Design Lab and Software Workshop Lab the feedbacks were reported below satisfactory. The Head department had a detailed discussion with the concerned faculty members, and asked them to bring necessary changes in teaching methodology so that expected outcomes of the respective courses can be attained.

Dr. Abhay R. Kasetwar
Head of Department

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Session 2022-23 (EVEN)

Course End Survey Report

Year/Semester: Second/IV   **Date: 12/06/2023**

Sr. No.	Course Name	% Feedback
1	Engineerinf Mathematics-IV	72.37
2	Eletromagnetics Fields	68.15
3	Signal Processing	67.62
4	Python Programming	69.02
5	Open Elective-I	74.42
6	Signal Processing Lab	67.55
7	Python Programming Lab	68.81
8	Soft Skills-I	73.87
9	Essence of Indian Traditional Knowledge	69.59

Prof. M. Waseem Akram
Feedback In-charge

Dr. Abhay R. Kasetwar
Head of Department

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Session 2022-23 (EVEN)

Course End Survey Report

Year/Semester: Third/VI **Date: 12/06/2023**

Sr. No.	Course Name		% Feedback
1	Digital Communication		64.95
2	Control System Engineering		68.00
3	Computer Communication Networks		67.70
4	Digital System Design		68.16
5	Program Elective-II	Data Science	67.25
		Embedded Systems & RTOS	70.97
6	Open Elective-III		72.38
7	Computer Communication Networks Lab		67.55
8	Digital System Design Lab		66.08
9	Software Workshop Lab		66.00
10	Soft Skills-III		67.25

Prof. M. Waseem Akram
Feedback In-charge

Dr. Abhay R. Kasetwar
Head of Department

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Electronics and Telecommunication Engineering

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Session 2022-23 (EVEN)

Report on Action Taken against Student Satisfaction Survey

Year: Second & Third   **Date: 19/06/2023**
Semester: IV & VI

- The Student Satisfaction Survey was successfully conducted by the Department and the following points were identified after the analysis of the survey.

- The feedback against various points of Part-A (Teaching and Learning Process) and Part-B (Institutional Facilities and Support) of survey was reported well in Third year.

- In Second year the feedback against various points of Part-A of the survey was reported well but in Part-B against Sports Facility and Internet Facility the feedbacks were reported below satisfactory. As a corrective action against these points the Head of Department will convey the issues to the Principal of the institute for necessary actions.

Dr. Abhay R. Kasetwar
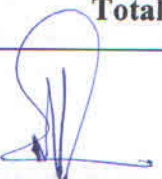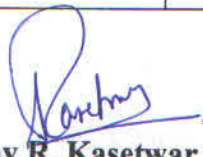
Head of Department

Session 2022-23 (EVEN)
Students Satisfaction Survey Report
Part-A: Teaching-Learning Process

Year/Semester: Second/IV　　　　　　　　　　**Number of responders: 54/69**

Questions	% Feedback
How much of the syllabus was covered in the class?	79.31
How well did the teachers prepare for the classes?	76.67
How well were the teachers able to communicate?	74.39
The teacher's approach to teaching can best be described as	72.22
Fairness of the internal evaluation process by the teachers.	76.67
Was your performance in assignments discussed with you?	75.27
The institute takes active interest in promoting internship opportunities for students.	72.00
The teaching and mentoring process in your institution facilitates you in cognitive, social and emotional growth.	69.82
The institution provides multiple opportunities to learn and grow	72.73
Teachers inform you about your expected competencies, course outcomes and programme outcomes and review the course syllabus in the class.	71.79
Your mentor does a necessary follow-up with an assigned task to you.	75.64
The teachers illustrate the concepts through examples and applications.	74.44
The teachers identify your strengths and encourage you with providing right level of challenges.	70.55
Teachers are able to identify your weaknesses and help you to overcome them.	71.64
The institution makes effort to engage students in the monitoring, review and continuous quality improvement of the teaching learning process.	70.36
The institute/ teachers use student centric methods, such as experiential learning, participative learning and problem solving methodologies for enhancing learning experiences	72.14
Teachers encourage you to participate in extracurricular activities.	77.82
Efforts are made by the institute/ teachers to inculcate soft skills, life skills and employability skills to make you ready for the world of work.	72.50
What percentage of teachers uses ICT tools such as PPTs, Multimedia, animations, etc. while teaching?	72.28
The overall quality of teaching-learning process in your institute is very good.	72.63
Total Feedback	73.55

Prof. M. Waseem Akram　　　　　　　　**Dr. Abhay R. Kasetwar**

Feedback In-charge　　　　　　　　　　　Head of Department

Sir Shantilal Badjate Charitable Trust, Nagpur
S. B. Jain Institute of Technology, Management & Research, Nagpur
(Approved by AICTE, An Autonomous Institute) Affiliated to R. T. M. Nagpur University
Department of Electronics and Telecommunication Engineering
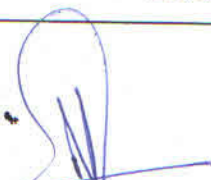
Session 2022-23 (EVEN)
Students Satisfaction Survey Report
Part-B: Institutional Facility and Support

Year/Semester: Second/IV

Number of responders: 54/69

Questions	% Feedback
Adequacy of Laboratory facilities (Number of set-ups/ equipments /tools etc.)	64.29
Mechanism and approach to provide exposure to external world through Internships, Field Visits, Guest Lectures, Expert Talks etc.	64.36
Infrastructure (Furniture/Black Board / Illumination/Ventilation etc.)	57.89
Mechanism and approach to deal with students/parents grievances	64.91
Students guidance and mentoring facilities	62.50
Support for co-curricular and extra-curricular activities	61.45
Library Facility	67.64
Sports Facility	54.74
Canteen Facility	59.27
Transport Facility	62.22
Internet Facility	53.09
Housekeeping	59.27
First Aid Facility	58.55
Security Facility	62.55
Total Feedback	60.90

Prof. M. Waseem Akram
Feedback In-charge

Dr. Abhay R. Kasetwar
Head of Department

Sir Shantilal Badjate Charitable Trust, Nagpur
S. B. Jain Institute of Technology, Management & Research, Nagpur
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Department of Electronics and Telecommunication Engineering

Session 2022-23 (EVEN)
Students Satisfaction Survey Report
Part-A: Teaching-Learning Process

Year/Semester: Third/VI   **Number of responders: 93/134**

Questions	% Feedback
How much of the syllabus was covered in the class?	71.40
How well did the teachers prepare for the classes?	70.10
How well were the teachers able to communicate?	73.27
The teacher's approach to teaching can best be described as	74.49
Fairness of the internal evaluation process by the teachers.	76.36
Was your performance in assignments discussed with you?	75.46
The institute takes active interest in promoting internship opportunities for students	75.56
The teaching and mentoring process in your institution facilitates you in cognitive, social and	73.33
The institution provides multiple opportunities to learn and grow.	74.26
Teachers inform you about your expected competencies, course outcomes and programme	77.94
Your mentor does a necessary follow-up with an assigned task to you.	76.70
The teachers illustrate the concepts through examples and applications	76.25
The teachers identify your strengths and encourage you with providing right level of challenges.	70.93
Teachers are able to identify your weaknesses and help you to overcome them.	75.63
The institution makes effort to engage students in the monitoring, review and continuous quality improvement of the teaching learning process.	76.42
The institute/ teachers use student centric methods, such as experiential learning, participative learning and problem solving methodologies for enhancing learning experiences.	76.25
Teachers encourage you to participate in extracurricular activities.	73.20
Efforts are made by the institute/ teachers to inculcate soft skills, life skills and employability	75.16
What percentage of teachers uses ICT tools such as PPTs, Multimedia, animations, etc. while teaching?	76.73
The overall quality of teaching-learning process in your institute is very good.	78.33
Total Feedback	74.87

Prof. M. Waseem Akram   **Dr. Abhay R. Kasetwar**
Feedback In-charge   Head of Department

Sir Shantilal Badjate Charitable Trust, Nagpur
S. B. Jain Institute of Technology, Management & Research, Nagpur
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Department of Electronics and Telecommunication Engineering

Session 2022-23 (EVEN)
Students Satisfaction Survey Report
Part-B: Institutional Facility and Support

Year/Semester: Third/VI

Number of responders: 93/134

Questions	% Feedback
Adequacy of Laboratory facilities (Number of set-ups/ equipments /tools etc.)	71.18
Mechanism and approach to provide exposure to external world through Internships, Field Visits, Guest Lectures, Expert Talks etc.	70.93
Infrastructure (Furniture/Black Board / Illumination/Ventilation etc.)	70.85
Mechanism and approach to deal with students/parents grievances	66.26
Students guidance and mentoring facilities	71.61
Support for co-curricular and extra-curricular activities	68.84
Library Facility	68.60
Sports Facility	68.63
Canteen Facility	68.72
Transport Facility	69.57
Internet Facility	67.37
Housekeeping	67.96
First Aid Facility	68.00
Security Facility	68.87
Total Feedback	69.10

Prof. M. Waseem Akram
Feedback In-charge

Dr. Abhay R. Kasetwar
Head of Department

S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR

(An Autonomous Institute, Affiliated to R. T. M. Nagpur University)

Department of
Electronics and Telecommunication Engineering

"Emerge as a center for quality education in Electronics & Telecommunication Engineering, so as to create competent professionals"

Ref. No.: SBJITMR/ETC Dept./2022-23/EVEN/EXT/96   Date: 18/05/2023

To,

The IQAC In-charge,

SBJITMR,

Nagpur.

Subject: Course End Survey, Student Satisfaction Survey and Program Exit Feedback reports, and action taken report of the Student Satisfaction Survey of VIII Semester for Academic Session 2022-23 (EVEN).

Respected Sir,

       The department has successfully conducted Course End Survey, Student Satisfaction Survey and Program Exit Feedback for VIII Semester for Academic Session 2022-23 (EVEN). The reports of the same and report on action taken against the issues received in are put forth for your kind information.

Thanking you,

Yours Sincerely

Dr. Abhay R. Kasetwar

Head of Department

CC To:

The Principal Office

Dean Academics

Enclosure:

1. Course End Survey, Student Satisfaction Survey and Program Exit Feedback reports of VIII semester.

2. Action taken report of the Student Satisfaction Survey of VIII Semester.

S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR

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"Emerge as a center for quality education in Electronics & Telecommunication Engineering, so as to create competent professionals"

Session 2022-23 (EVEN)

Report on Action Taken against Student Satisfaction Survey

Year/Semester/Section: Fourth/VIII/A&B

Date: 18/05/2023

Sr. No.	Identified Issues	Action Taken/Plan
1	Less theory and more practical to get the real knowledge.	Head of department has instructed all the course in-charges of those courses which do not have practical, to relate the theoretical concepts with maximum possible practical applications.
2	More job opportunities.	The issue has been conveyed to training and placement officer of the institute and the department has also taken an initiative to arrange the placement drive for the students.
3	Skills related clubs for the growth of the students.	Already in function.
4	Water Filters	The issue has been conveyed to Principal of the institute.
5	Improve wifi facility	
6	Give attention to students who are weak in studies.	Head of department has instructed all the course in-charges to give special attention to the students who are academically weak.

Dr. Abhay R. Kasetwar

Head of Department

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Department of
Electronics and Telecommunication Engineering

"Emerge as a center for quality education in Electronics & Telecommunication Engineering, so as to create competent professionals"

Session 2022-23 (EVEN)
Student Satisfaction Survey Report

Date:03/05/2023

Class: 4th Year / 8th Semester (Section-A)
Class Incharge: Prof.Shailesh Sakhre
No. of Participants involved in Feedback: **46**

PART-A: Teaching Learning Process

4. The teacher's approach to teaching can best be described as

Response	No. of Responses	% Response	% Satisfaction
85 to 100%	17	36.96%	62.61%
70 to 84%	18	39.13%	
55 to 69%	11	23.91%	Remark
30 to 54%	0	0.00%	Good
Below 30%	0	0.00%	
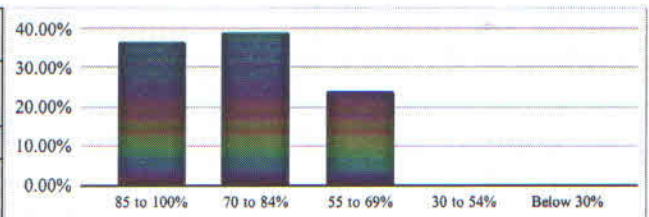
5. Fairness of the internal evaluation process by the teachers.

Response	No. of Responses	% Response	% Satisfaction
Thoroughly	20	43.48%	64.35%
Satisfactorily	16	34.78%	
Poorly	10	21.74%	Remark
Indifferently	0	0.00%	Good
Won't teach at all	0	0.00%	
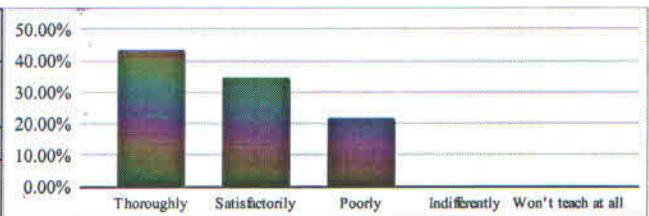
6. Was your performance in assignments discussed with you?

Response	No. of Responses	% Response	% Satisfaction
Always effective	15	32.61%	59.13%
Sometimes effective	16	34.78%	
Just satisfactorily	13	28.26%	Remark
Generally ineffective	2	4.35%	Good
Very poor communication	0	0.00%	
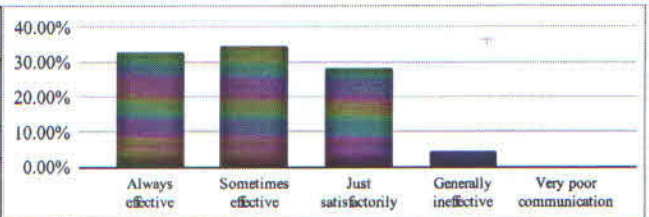
7. The institute takes active interest in promoting internship, field visit opportunities for students.

Response	No. of Responses	% Response	% Satisfaction
Excellent	17	36.96%	76.63%
Very good	17	36.96%	
Good	10	21.74%	Remark
Fair	2	4.35%	Very Good
Poor	0	0.00%	

8. The teaching and mentoring process in your institution facilitates you in cognitive, social and emotional growth.

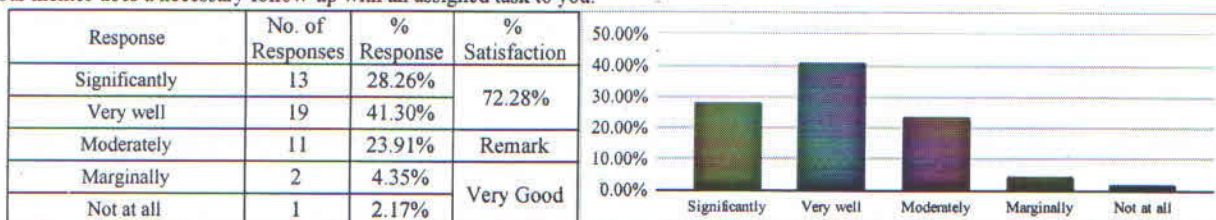| Response	No. of Responses	% Response	% Satisfaction
Always fair	15	32.61%	77.17%
Usually fair	20	43.48%	
Sometimes unfair	11	23.91%	Remark
Usually unfair	0	0.00%	Very Good
Unfair	0	0.00%	

9. The institution provides multiple opportunities to learn and grow.

Response	No. of Responses	% Response	% Satisfaction
Every time	12	26.09%	72.83%
Usually	21	45.65%	
Occasionally/ Sometimes	10	21.74%	Remark
Rarely	3	6.52%	Very Good
Never	0	0.00%	

10. Teachers inform you about your expected competencies, course outcomes and programme outcomes and review the course syllabus in the cla

Response	No. of Responses	% Response	% Satisfaction
Regularly	15	32.61%	75.54%
Often	19	41.30%	
Sometimes	10	21.74%	Remark
Rarely	2	4.35%	Very Good
Never	0	0.00%	

11. Your mentor does a necessary follow-up with an assigned task to you.

Response	No. of Responses	% Response	% Satisfaction
Significantly	13	28.26%	72.28%
Very well	19	41.30%	
Moderately	11	23.91%	Remark
Marginally	2	4.35%	Very Good
Not at all	1	2.17%	

12. The teachers illustrate the concepts through examples and applications.

Response	No. of Responses	% Response	% Satisfaction
Strongly agree	15	32.61%	75.54%
Agree	19	41.30%	
Neutral	10	21.74%	Remark
Disagree	2	4.35%	Very Good
Strongly disagree	0	0.00%	

13. The teachers identify your strengths and encourage you with providing right level of challenges.

Response	No. of Responses	% Response	% Satisfaction
Every time	17	36.96%	73.91%
Usually	15	32.61%	
Occasionally/ Sometimes	10	21.74%	Remark
Rarely	3	6.52%	Very Good
Never	1	2.17%	

14. Teachers are able to identify your weaknesses and help you to overcome them.

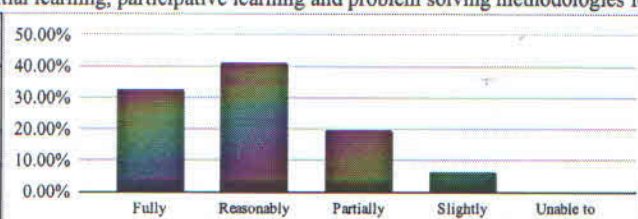| Response	No. of Responses	% Response	% Satisfaction
Every time	17	36.96%	75.54%
Usually	17	36.96%	
Occasionally/ Sometimes	9	19.57%	Remark
Rarely	2	4.35%	Very Good
I don't have a Mentor	1	2.17%	
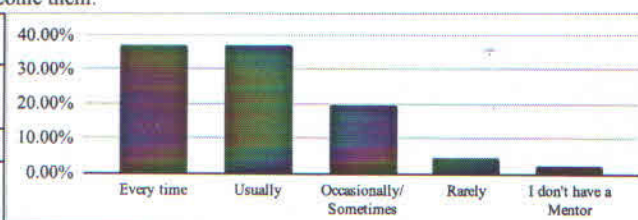
15. The institution makes effort to engage students in the monitoring, review and continuous quality improvement of the teaching learning proces:

Response	No. of Responses	% Response	% Satisfaction
Every time	14	30.43%	72.28%
Usually	18	39.13%	
Occasionally/ Sometimes	10	21.74%	Remark
Rarely	3	6.52%	Very Good
Never	1	2.17%	
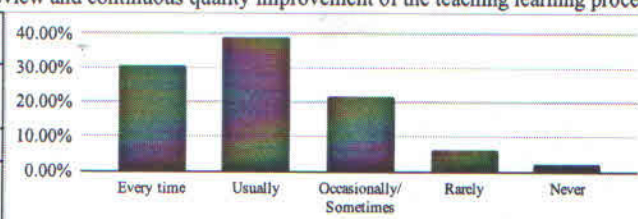
16. The institute/ teachers use student centric methods, such as experiential learning, participative learning and problem solving methodologies fo

Response	No. of Responses	% Response	% Satisfaction
Fully	15	32.61%	75.00%
Reasonably	19	41.30%	
Partially	9	19.57%	Remark
Slightly	3	6.52%	Very Good
Unable to	0	0.00%	

17. Teachers encourage you to participate in extracurricular activities.

Response	No. of Responses	% Response	% Satisfaction
Every time	16	34.78%	73.91%
Usually	14	30.43%	
Occasionally/ Sometimes	14	30.43%	Remark
Rarely	2	4.35%	Very Good
Never	0	0.00%	
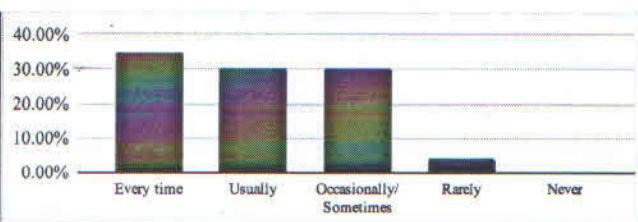
18. Efforts are made by the institute/ teachers to inculcate soft skills, life skills and employability skills to make you ready for the world of work.

Response	No. of Responses	% Response	% Satisfaction
Strongly agree	16	34.78%	73.91%
Agree	14	30.43%	
Neutral	14	30.43%	Remark
Disagree	2	4.35%	Very Good
Strongly disagree	0	0.00%	
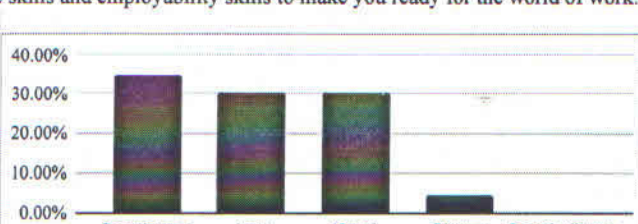
19. What percentage of teachers use ICT tools such as LCD projector, Multimedia, etc. while teaching.

Response	No. of Responses	% Response	% Satisfaction
To a great extent	14	30.43%	71.74%
Moderate	16	34.78%	
Some what	13	28.26%	Remark
Very little	2	4.35%	Very Good
Not at all	1	2.17%	
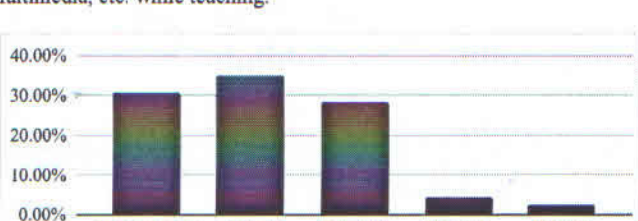
20. The overall quality of teaching-learning process in your institute is very good.
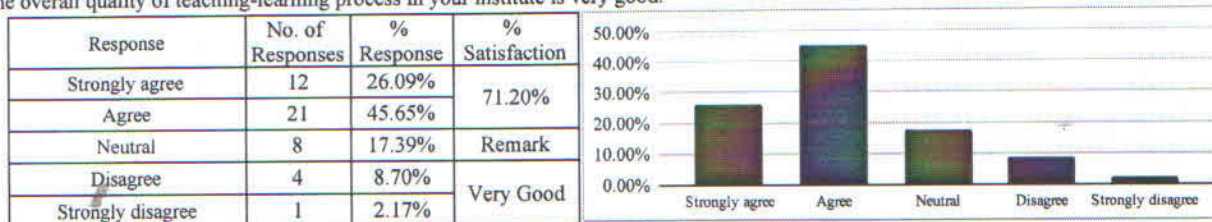
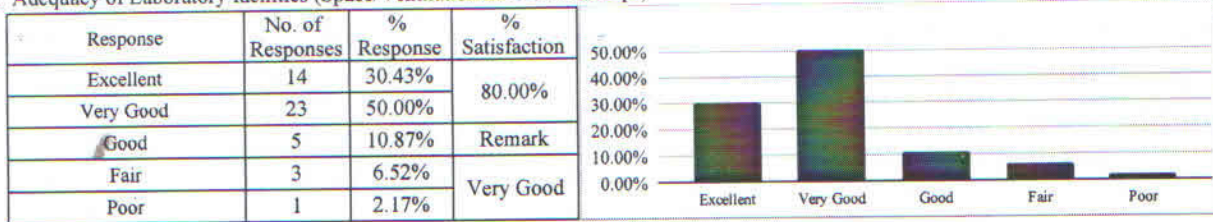| Response	No. of Responses	% Response	% Satisfaction
Strongly agree	12	26.09%	71.20%
Agree	21	45.65%	
Neutral	8	17.39%	Remark
Disagree	4	8.70%	Very Good
Strongly disagree	1	2.17%	

21. Give three observation / suggestions to improve the overall teaching – learning experience in your institution. (Observation/Suggestion may also be a review of any course content of the syllabus/ Content you would have wished to learn).

1. Less theory and more practical to get the real knowledge, more job opportunities and skills related clubs for the growth of the students.

PART-B: Institutional Facilities and Support

1 Adequacy of Laboratory facilities (Space/Ventilation/number of set-ups)

Response	No. of Responses	% Response	% Satisfaction
Excellent	14	30.43%	80.00%
Very Good	23	50.00%	
Good	5	10.87%	Remark
Fair	3	6.52%	Very Good
Poor	1	2.17%	

2 Mechanism and approach to provide exposure to external world through Field Visit, Guest Lectures

Response	No. of Responses	% Response	% Satisfaction
Excellent	10	21.74%	76.96%
Very Good	24	52.17%	
Good	8	17.39%	Remark
Fair	3	6.52%	Very Good
Poor	1	2.17%	

3 Infrastructure (Furniture/Black Board/Illumination/Fans/Flooring etc.)

Response	No. of Responses	% Response	% Satisfaction
Excellent	11	23.91%	78.70%
Very Good	26	56.52%	
Good	5	10.87%	Remark
Fair	3	6.52%	Very Good
Poor	1	2.17%	

4 Overall approach and commitment of the Department towards providing quality Technical and Professional Education.

Response	No. of Responses	% Response	% Satisfaction
Excellent	15	32.61%	80.87%
Very Good	22	47.83%	
Good	6	13.04%	Remark
Fair	2	4.35%	Very Good
Poor	1	2.17%	

5 Mechanism and approach to deal with students/parents grievances

Response	No. of Responses	% Response	% Satisfaction
Excellent	9	19.57%	77.39%
Very Good	23	50.00%	
Good	8	17.39%	Remark
Fair	1	2.17%	Very Good
Poor	1	2.17%	
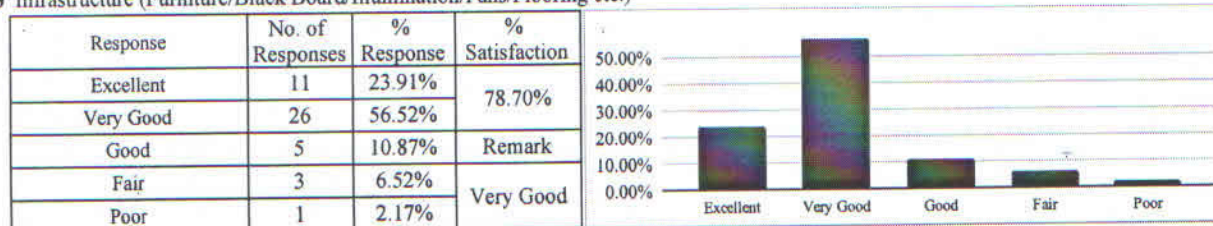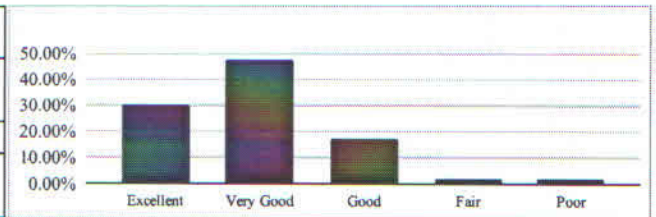
6 Students Guidance and mentoring facilities

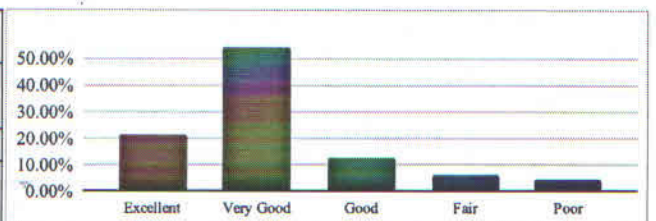| Response	No. of Responses	% Response	% Satisfaction
Excellent	14	30.43%	80.43%
Very Good	22	47.83%	
Good	8	17.39%	Remark
Fair	1	2.17%	
Poor	1	2.17%	Very Good

7 Availability of modern instruments and arrangements/facilities to provide hands on experience

Response	No. of Responses	% Response	% Satisfaction
Excellent	11	23.91%	78.70%
Very Good	25	54.35%	
Good	7	15.22%	Remark
Fair	2	4.35%	
Poor	1	2.17%	Very Good
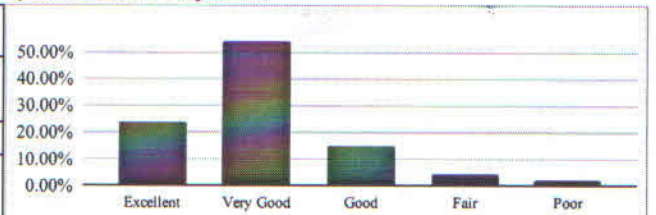
8 Library Facility

Response	No. of Responses	% Response	% Satisfaction
Excellent	13	28.26%	80.00%
Very Good	23	50.00%	
Good	8	17.39%	Remark
Fair	1	2.17%	
Poor	1	2.17%	Very Good

9 Sports Facility

Response	No. of Responses	% Response	% Satisfaction
Excellent	10	21.74%	76.52%
Very Good	25	54.35%	
Good	6	13.04%	Remark
Fair	3	6.52%	
Poor	2	4.35%	Very Good
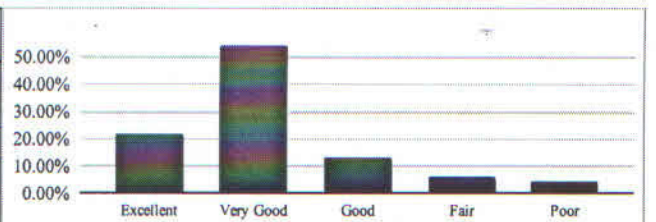
10 Canteen Facility

Response	No. of Responses	% Response	% Satisfaction
Excellent	10	21.74%	75.65%
Very Good	23	50.00%	
Good	8	17.39%	Remark
Fair	3	6.52%	
Poor	2	4.35%	Very Good
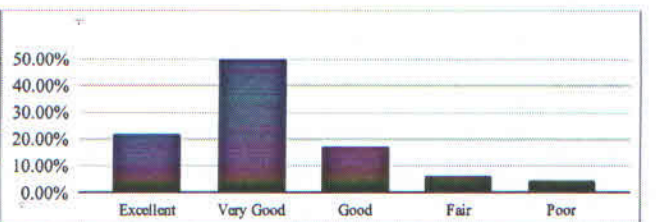
11 Transport Facility

Response	No. of Responses	% Response	% Satisfaction
Excellent	10	21.74%	76.09%
Very Good	24	52.17%	
Good	6	13.04%	Remark
Fair	5	10.87%	
Poor	1	2.17%	Very Good
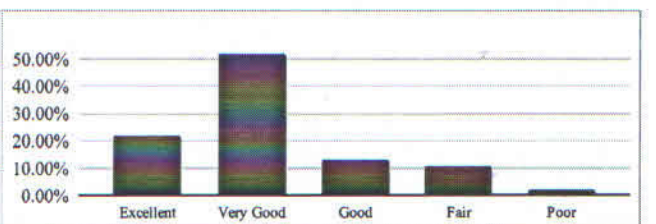
12 Internet Facility

Response	No. of Responses	% Response	% Satisfaction
Excellent	8	17.39%	72.61%
Very Good	23	50.00%	
Good	8	17.39%	Remark
Fair	4	8.70%	Very Good
Poor	3	6.52%	
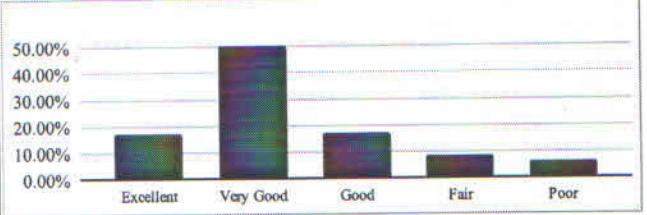
13 Sanitation Facility

Response	No. of Responses	% Response	% Satisfaction
Excellent	8	17.39%	70.87%
Very Good	22	47.83%	
Good	8	17.39%	Remark
Fair	3	6.52%	Very Good
Poor	5	10.87%	
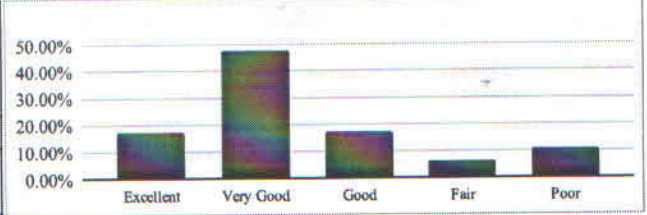
14 First Aid Facility

Response	No. of Responses	% Response	% Satisfaction
Excellent	10	21.74%	71.74%
Very Good	19	41.30%	
Good	9	19.57%	Remark
Fair	4	8.70%	Very Good
Poor	4	8.70%	
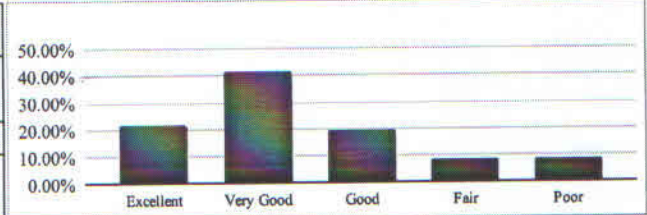
15 Security Facility

Response	No. of Responses	% Response	% Satisfaction
Excellent	11	23.91%	73.91%
Very Good	22	47.83%	
Good	6	13.04%	Remark
Fair	2	4.35%	Very Good
Poor	5	10.87%	
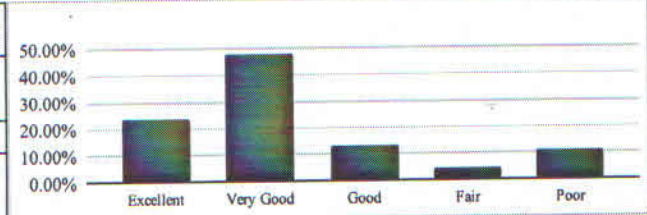
16 Drinking Water

Response	No. of Responses	% Response	% Satisfaction
Excellent	9	19.57%	73.91%
Very Good	25	54.35%	
Good	5	10.87%	Remark
Fair	3	6.52%	Very Good
Poor	4	8.70%	
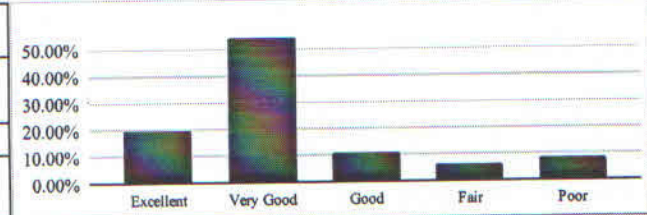
Suggestions-

1. Water Filters
2. Improve wifi facility

Prof. M. W. Akram

Feedback In-charge

Dr. Abhay R. Kasetwar

Head of Department

S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR

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Department of
Electronics and Telecommunication Engineering

"Emerge as a center for quality education in Electronics & Telecommunication Engineering, so as to create competent professionals"

Session 2022-23 (EVEN)
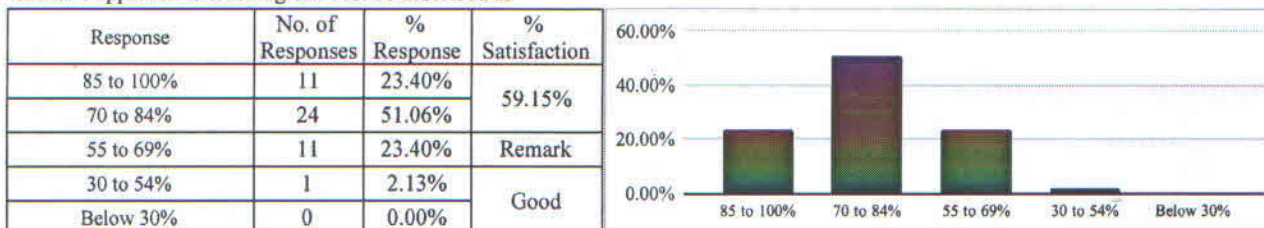## Student Satisfaction Survey Report

Date:03/05/2023

Class: 4th Year / 8th Semester (Section-B)
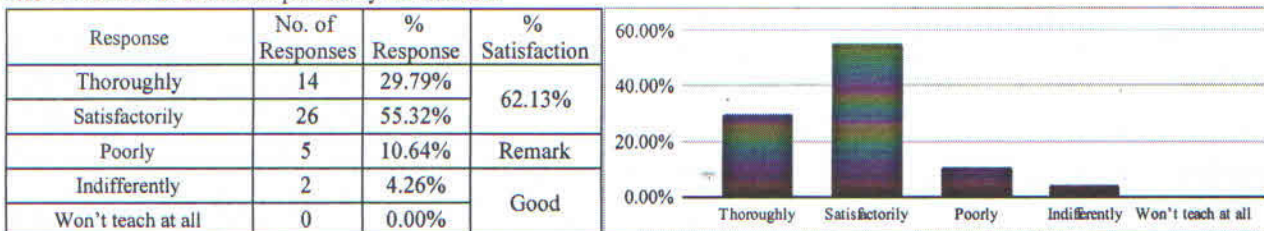Class Incharge: Prof. Mayur Temburney
No. of Participants involved in Feedback: **47**
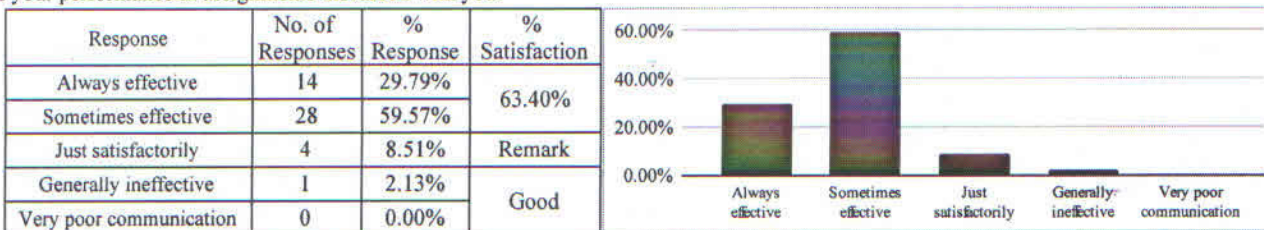
PART-A: Teaching Learning Process
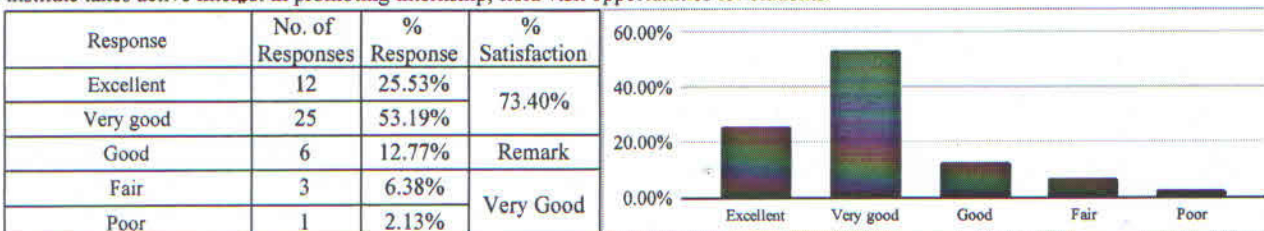
4. The teacher's approach to teaching can best be described as

Response	No. of Responses	% Response	% Satisfaction
85 to 100%	11	23.40%	59.15%
70 to 84%	24	51.06%	
55 to 69%	11	23.40%	Remark
30 to 54%	1	2.13%	Good
Below 30%	0	0.00%	

5. Fairness of the internal evaluation process by the teachers.

Response	No. of Responses	% Response	% Satisfaction
Thoroughly	14	29.79%	62.13%
Satisfactorily	26	55.32%	
Poorly	5	10.64%	Remark
Indifferently	2	4.26%	Good
Won't teach at all	0	0.00%	

6. Was your performance in assignments discussed with you?

Response	No. of Responses	% Response	% Satisfaction
Always effective	14	29.79%	63.40%
Sometimes effective	28	59.57%	
Just satisfactorily	4	8.51%	Remark
Generally ineffective	1	2.13%	Good
Very poor communication	0	0.00%	

7. The institute takes active interest in promoting internship, field visit opportunities for students.

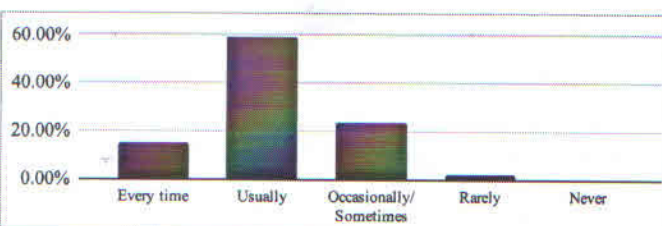| Response	No. of Responses	% Response	% Satisfaction
Excellent	12	25.53%	73.40%
Very good	25	53.19%	
Good	6	12.77%	Remark
Fair	3	6.38%	Very Good
Poor	1	2.13%	

8. The teaching and mentoring process in your institution facilitates you in cognitive, social and emotional growth.

Response	No. of Responses	% Response	% Satisfaction
Always fair	11	23.40%	75.00%
Usually fair	27	57.45%	
Sometimes unfair	7	14.89%	Remark
Usually unfair	2	4.26%	Very Good
Unfair	0	0.00%	
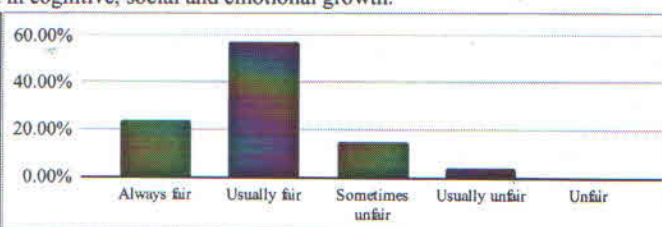
9. The institution provides multiple opportunities to learn and grow.

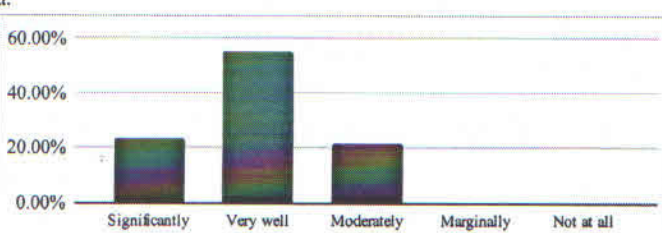| Response	No. of Responses	% Response	% Satisfaction
Every time	7	14.89%	71.81%
Usually	28	59.57%	
Occasionally/ Sometimes	11	23.40%	Remark
Rarely	1	2.13%	Very Good
Never	0	0.00%	

10. Teachers inform you about your expected competencies, course outcomes and programme outcomes and review the course syllabus in the clas

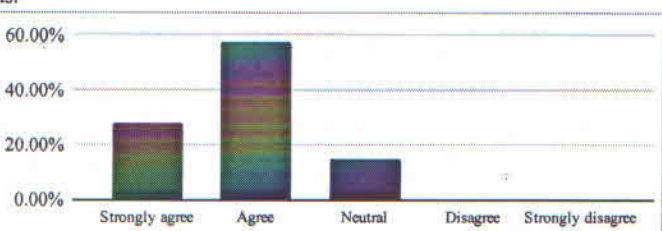| Response	No. of Responses	% Response	% Satisfaction
Regularly	13	27.66%	76.60%
Often	24	51.06%	
Sometimes	10	21.28%	Remark
Rarely	0	0.00%	Very Good
Never	0	0.00%	
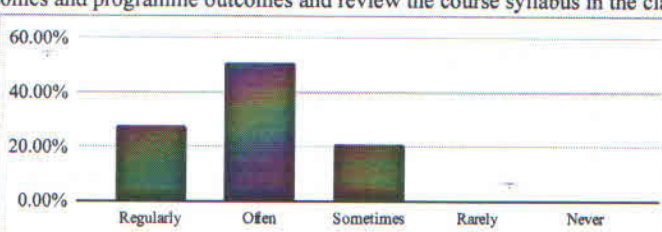
11. Your mentor does a necessary follow-up with an assigned task to you.

Response	No. of Responses	% Response	% Satisfaction
Significantly	11	23.40%	75.53%
Very well	26	55.32%	
Moderately	10	21.28%	Remark
Marginally	0	0.00%	Very Good
Not at all	0	0.00%	

12. The teachers illustrate the concepts through examples and applications.

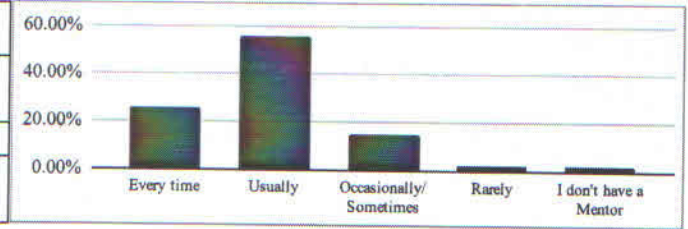| Response	No. of Responses	% Response	% Satisfaction
Strongly agree	13	27.66%	78.19%
Agree	27	57.45%	
Neutral	7	14.89%	Remark
Disagree	0	0.00%	Very Good
Strongly disagree	0	0.00%	

13. The teachers identify your strengths and encourage you with providing right level of challenges.

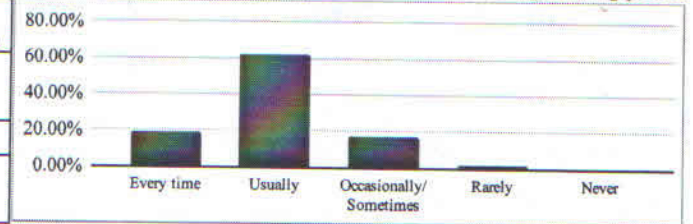| Response	No. of Responses	% Response	% Satisfaction
Every time	13	27.66%	76.06%
Usually	24	51.06%	
Occasionally/ Sometimes	9	19.15%	Remark
Rarely	1	2.13%	Very Good
Never	0	0.00%	
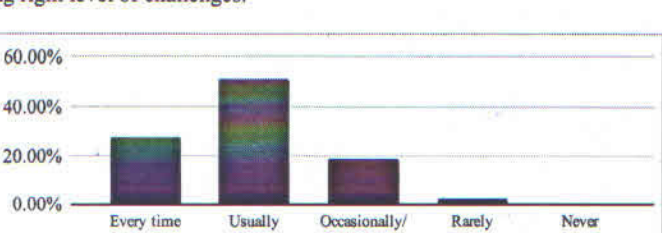
14. Teachers are able to identify your weaknesses and help you to overcome them.

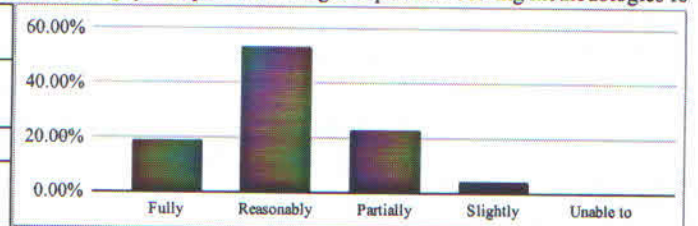| Response	No. of Responses	% Response	% Satisfaction
Every time	12	25.53%	75.00%
Usually	26	55.32%	
Occasionally/ Sometimes	7	14.89%	Remark
Rarely	1	2.13%	Very Good
I don't have a Mentor	1	2.13%	

15. The institution makes effort to engage students in the monitoring, review and continuous quality improvement of the teaching learning proces:

Response	No. of Responses	% Response	% Satisfaction
Every time	9	19.15%	74.47%
Usually	29	61.70%	
Occasionally/ Sometimes	8	17.02%	Remark
Rarely	1	2.13%	Very Good
Never	0	0.00%	

**16. The institute/ teachers use student centric methods, such as experiential learning, participative learning and problem solving methodologies fo**

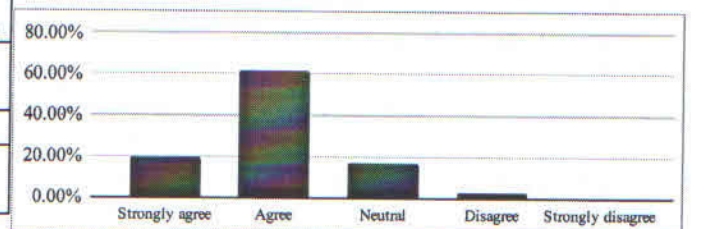| Response	No. of Responses	% Response	% Satisfaction
Fully	9	19.15%	71.81%
Reasonably	25	53.19%	
Partially	11	23.40%	Remark
Slightly	2	4.26%	Very Good
Unable to	0	0.00%	

17. Teachers encourage you to participate in extracurricular activities.

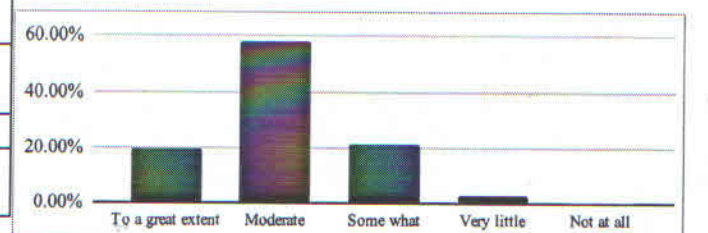| Response	No. of Responses	% Response	% Satisfaction
Every time	9	19.15%	72.87%
Usually	25	53.19%	
Occasionally/ Sometimes	13	27.66%	Remark
Rarely	0	0.00%	Very Good
Never	0	0.00%	
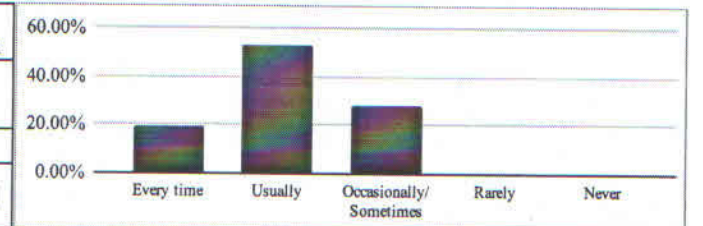
18. Efforts are made by the institute/ teachers to inculcate soft skills, life skills and employability skills to make you ready for the world of work.

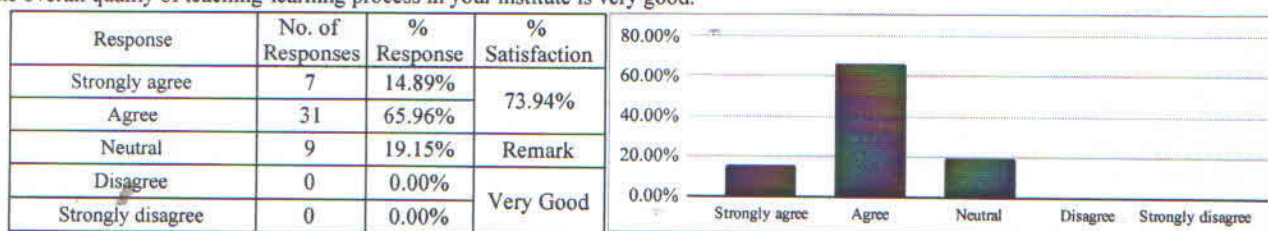| Response	No. of Responses	% Response	% Satisfaction
Strongly agree	9	19.15%	74.47%
Agree	29	61.70%	
Neutral	8	17.02%	Remark
Disagree	1	2.13%	Very Good
Strongly disagree	0	0.00%	

19. What percentage of teachers use ICT tools such as LCD projector, Multimedia, etc. while teaching.

Response	No. of Responses	% Response	% Satisfaction
To a great extent	9	19.15%	73.40%
Moderate	27	57.45%	
Some what	10	21.28%	Remark
Very little	1	2.13%	Very Good
Not at all	0	0.00%	

20. The overall quality of teaching-learning process in your institute is very good.

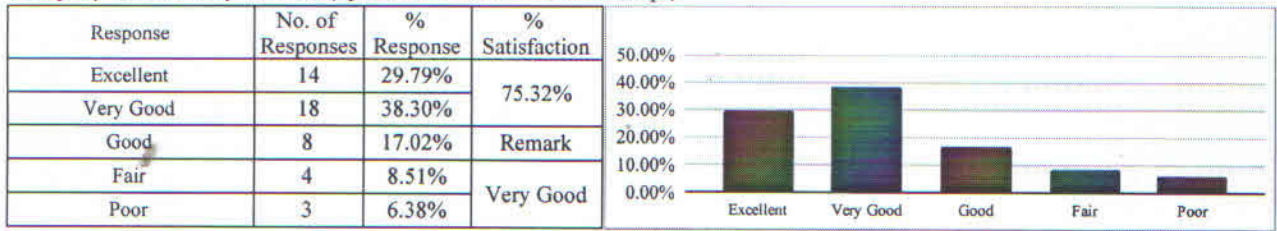| Response	No. of Responses	% Response	% Satisfaction
Strongly agree	7	14.89%	73.94%
Agree	31	65.96%	
Neutral	9	19.15%	Remark
Disagree	0	0.00%	Very Good
Strongly disagree	0	0.00%	

21. Give three observation / suggestions to improve the overall teaching – learning experience in your institution. (Observation/Suggestion may also be a review of any course content of the syllabus/ Content you would have wished to learn).
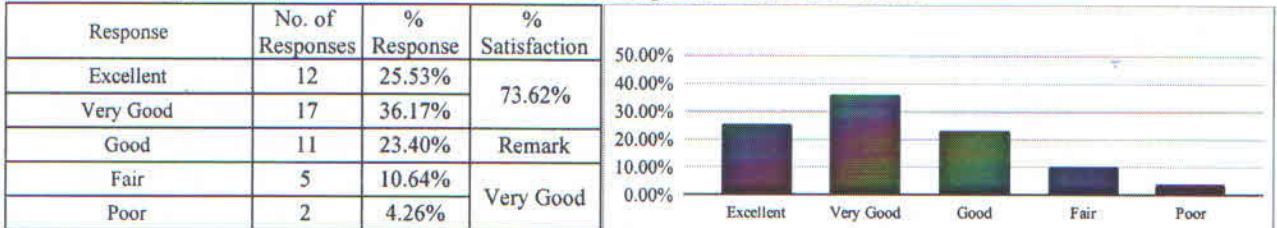
1. Give attention to students who are weak in studies.
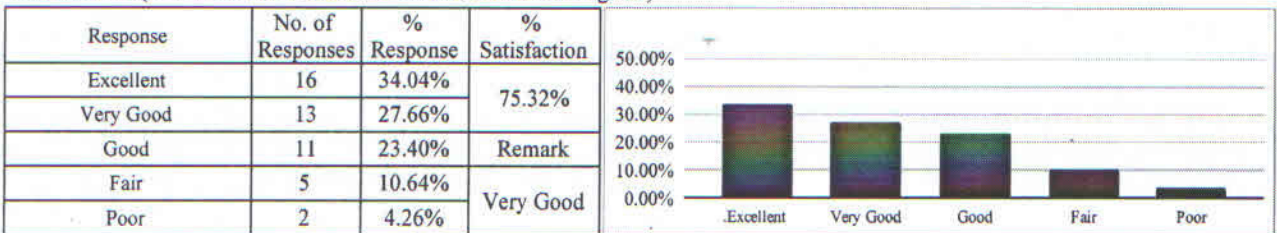
PART-B: Institutional Facilities and Support

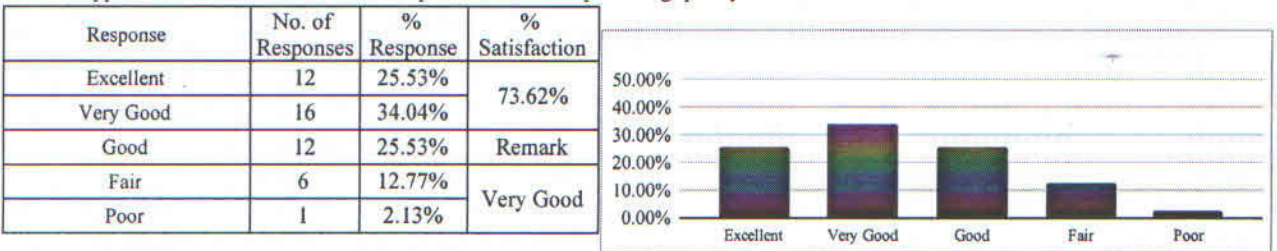**1** Adequacy of Laboratory facilities (Space/Ventilation/number of set-ups)

Response	No. of Responses	% Response	% Satisfaction
Excellent	14	29.79%	75.32%
Very Good	18	38.30%	
Good	8	17.02%	Remark
Fair	4	8.51%	Very Good
Poor	3	6.38%	

2 Mechanism and approach to provide exposure to external world through Field Visit, Guest Lectures

Response	No. of Responses	% Response	% Satisfaction
Excellent	12	25.53%	73.62%
Very Good	17	36.17%	
Good	11	23.40%	Remark
Fair	5	10.64%	Very Good
Poor	2	4.26%	

3 Infrastructure (Furniture/Black Board/Illumination/Fans/Flooring etc.)

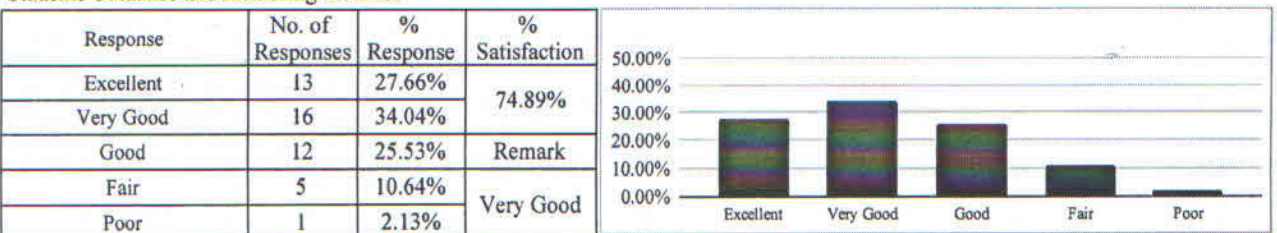| Response	No. of Responses	% Response	% Satisfaction
Excellent	16	34.04%	75.32%
Very Good	13	27.66%	
Good	11	23.40%	Remark
Fair	5	10.64%	Very Good
Poor	2	4.26%	

4 Overall approach and commitment of the Department towards providing quality Technical and Professional Education.

Response	No. of Responses	% Response	% Satisfaction
Excellent	12	25.53%	73.62%
Very Good	16	34.04%	
Good	12	25.53%	Remark
Fair	6	12.77%	Very Good
Poor	1	2.13%	

5 Mechanism and approach to deal with students/parents grievances

Response	No. of Responses	% Response	% Satisfaction
Excellent	12	25.53%	73.19%
Very Good	17	36.17%	
Good	11	23.40%	Remark
Fair	4	8.51%	Very Good
Poor	3	6.38%	

6 Students Guidance and mentoring facilities

Response	No. of Responses	% Response	% Satisfaction
Excellent	13	27.66%	74.89%
Very Good	16	34.04%	
Good	12	25.53%	Remark
Fair	5	10.64%	Very Good
Poor	1	2.13%	

7   Availability of modern instruments and arrangements/facilities to provide hands on experience

Response	No. of Responses	% Response	% Satisfaction
Excellent	11	23.40%	73.19%
Very Good	18	38.30%	
Good	11	23.40%	Remark
Fair	5	10.64%	Very Good
Poor	2	4.26%	

8   Library Facility

Response	No. of Responses	% Response	% Satisfaction
Excellent	13	27.66%	73.62%
Very Good	14	29.79%	
Good	13	27.66%	Remark
Fair	6	12.77%	Very Good
Poor	1	2.13%	

9   Sports Facility

Response	No. of Responses	% Response	% Satisfaction
Excellent	8	17.02%	70.21%
Very Good	20	42.55%	
Good	10	21.28%	Remark
Fair	6	12.77%	Very Good
Poor	3	6.38%	
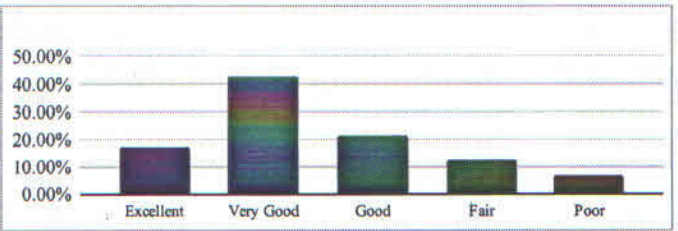
10   Canteen Facility

Response	No. of Responses	% Response	% Satisfaction
Excellent	14	29.79%	74.47%
Very Good	15	31.91%	
Good	10	21.28%	Remark
Fair	7	14.89%	Very Good
Poor	1	2.13%	
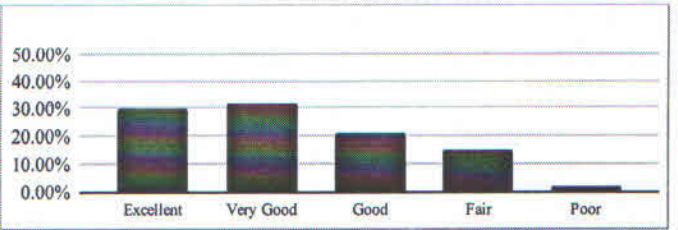
11   Transport Facility

Response	No. of Responses	% Response	% Satisfaction
Excellent	9	19.15%	70.21%
Very Good	18	38.30%	
Good	11	23.40%	Remark
Fair	6	12.77%	Very Good
Poor	3	6.38%	
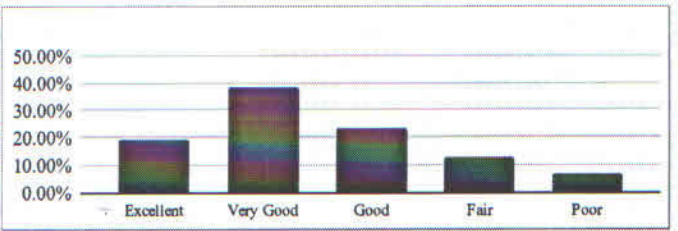
12   Internet Facility

Response	No. of Responses	% Response	% Satisfaction
Excellent	12	25.53%	71.49%
Very Good	14	29.79%	
Good	12	25.53%	Remark
Fair	7	14.89%	Very Good
Poor	2	4.26%	
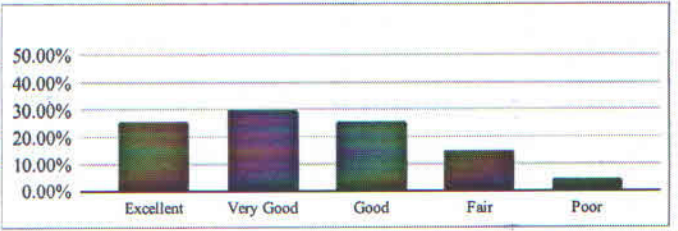
13 Sanitation Facility

Response	No. of Responses	% Response	% Satisfaction
Excellent	11	23.40%	71.06%
Very Good	16	34.04%	
Good	11	23.40%	Remark
Fair	6	12.77%	Very Good
Poor	3	6.38%	
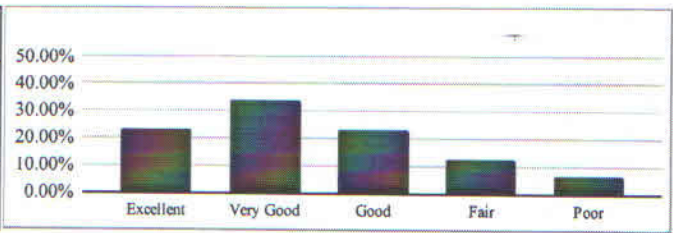
14 First Aid Facility

Response	No. of Responses	% Response	% Satisfaction
Excellent	8	17.02%	70.21%
Very Good	19	40.43%	
Good	11	23.40%	Remark
Fair	7	14.89%	Very Good
Poor	2	4.26%	
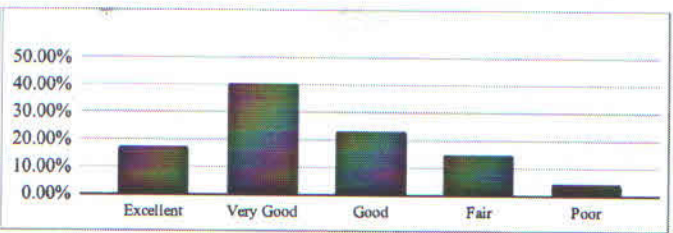
15 Security Facility

Response	No. of Responses	% Response	% Satisfaction
Excellent	8	17.02%	70.64%
Very Good	18	38.30%	
Good	14	29.79%	Remark
Fair	5	10.64%	Very Good
Poor	2	4.26%	
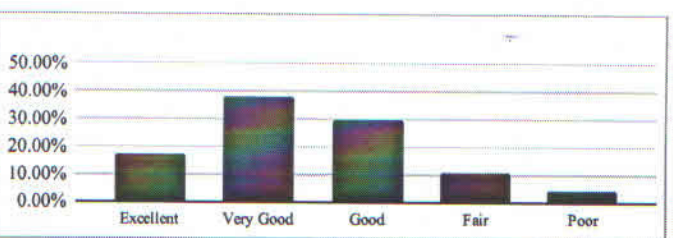
16 Drinking Water

Response	No. of Responses	% Response	% Satisfaction
Excellent	9	19.15%	72.34%
Very Good	19	40.43%	
Good	12	25.53%	Remark
Fair	6	12.77%	Very Good
Poor	1	2.13%	
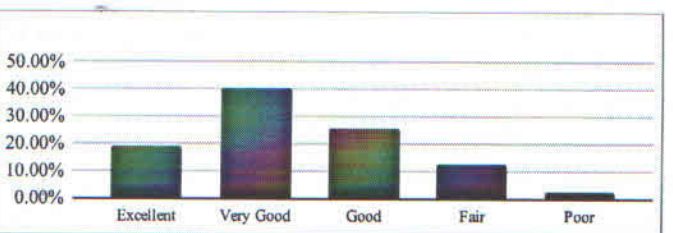
Suggestions-

No suggestion

Prof. M. W. Akram
Feedback In-charge

Dr. Abhay R. Kasetwar
Head of Department

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Department of
Electronics and Telecommunication Engineering

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Session 2022-23 (EVEN)
Course End Survey Report

Date:03/05/2023

Class: 4th Year / 8th Semester (Section-A)

Class Incharge: Prof. Shailesh Sakhre

No. of Participants involved in Feedback: 46

Q. No.	Question	% Response
Microwave and RADAR Engineering (TH)		
Q.1.	Are you able to understand the high frequency limitation of solid state devices?	75.22%
Q.2.	Have you gained knowledge of the function of microwave generators and amplifiers?	76.96%
Q.3.	Are you able to understand various Tees along with their power distribution?	77.39%
Q.4.	Are you able to evaluate the scattering matrix of passive microwave components?	75.22%
Q.5.	Are you able to understand Transferred Electron devices such as Gunn diode, Avalanche diode?	76.52%
Q.6.	Have you gained knowledge of microwave measurements?	76.52%
Q.7.	Are you able to analyse the complexities in microwave measurements?	74.78%
Q.8.	Have you understand radar working principle?	76.09%
Q.9.	Are you able to gain knowledge of various Radar systems?	74.35%
Q.10.	Are you able to analyse the practical challenges in existing radar system?	76.96%
Average Feedback		**76.00%**
Computer Communication Networks (TH)		
Q.1.	Are you able to understand basic concepts computer communication network?	76.52%
Q.2.	Are you able to Understand the requirement of theoretical & practical aspect of computer network?	76.09%
Q.3.	Are you able to differentiate between networking devices like Hub,Switch & Router?	75.65%
Q.4.	Are you able to Understand various types of computer Topologies?	76.09%
Q.5.	Are you able to define various types of OSI layer and their respective protocol?	77.83%
Q.6.	Are you able to understand basic IP addressing scheme?	76.52%
Q.7.	Are you able to Understand the basic concept of congestion control & network traffic in computer network?	76.52%
Q.8.	Are you able to Understand the basic Concept of computer network security & administration?	76.52%
Q.9.	Are you able to Understand the different wired & wireless LAN standards?	77.39%
Q.10.	Did this subject make you comfortable to choose career in Networking?	78.26%
Average Feedback		**76.74%**
Wireless and Mobile Communication (TH)		
Q.1.	Are you able to understand fundamental canons of cellular radio system?	78.26%
Q.2.	Are you able to learn the statistical models of multipath fading and model radio signal propagation issues and analyze their impact on communication system performance?	76.96%
Q.3.	Are you able to understand different types of equalization techniques and diversity concepts?	76.52%
Q.4.	Are you able to understand the Wireless communication systems and standards i.e. GSM, IS-95?	76.96%
Q.5.	Are you able differentiate wireless and fixed telephone networks and identify how internet is accessed over mobile devices?	78.70%

Q.6.	Are you able to learn types of wireless LANs which are classified according to transmission technology and wireless network protocols?	76.09%
Q.7.	By the end of the course what level of change have you noticed in taking the "Wireless & Mobile Communication" challenge by yourself?	76.96%
Q.8.	Are you able to identify, formulate and analyze engineering problems using principles of mathematics and engineering sciences in field of Wireless and Mobile communication?	76.52%
Q.9.	Did this subject make you comforted to understand the Wireless and Mobile Communication?	79.13%
Q.10.	Are you able to understand the evolution and history of wireless technology used in wireless communication?	76.09%
Average Feedback		**77.22%**

Digital Image Processing (TH)

Q.1.	Are you able to understand basic concepts of Digital Image Processing?	76.96%
Q.2.	Have you gained knowledge of the diffrent types of images?	77.39%
Q.3.	Are you able to understand Image sensing and aquazition, sampling and quantization?	75.22%
Q.4.	Are you able to understand various Image Enhacement Techniques?	74.35%
Q.5.	Are you able to apply Histogram Processing Technique?	76.52%
Q.6.	Are you able to apply diffrent transformation methods on given Image?	76.09%
Q.7.	Are you able to apply Hough transformation methods on given Image?	78.70%
Q.8.	Are you able to understand Huffman coding, LZW coding, Arithmatic coding?	75.22%
Q.9.	Are you able to differentiate between Lossless and Lossy Predictive Coding?	76.52%
Q.10.	Are you able to apply diffent algorithms on given Images?	74.78%
Average Feedback		**76.17%**

Satellite Communication (TH)

Q.1.	Are you able to understand basics of orbital aspects of satellite and the space craft system	81.30%
Q.2.	Are you able to understand Satellite link Design such as uplink and downlink design, G/T and C/N ratio	74.78%
Q.3.	Are able to learn Multiple Access Techniques such as FDMA,TDMA,CDMA,DAMA?	82.17%
Q.4.	Are you able to learn Propogation Effect, Rain, ICE, Land Effects on the satellite?	80.87%
Q.5.	Are you able to learn various Error Detection and Correction techniques?	81.74%
Q.6.	Are you able to learn Earth Station Design and equipment for the earth station?	81.74%
Q.7.	Are you able to learn different applications of satellite depending on its orbits	79.57%
Q.8.	By the end of the course what level of change have you noticed in taking the "basics of Satellite Communication" challenge by yourself?	81.30%
Q.9.	Did this subject make you comforted to understand the basics of Satellite Communication field?	82.17%
Q.10.	Are you able to identify, formulate and analyze engineering problems using principles of mathematics and engineering in the field of satellite communication?	81.74%
Average Feedback		**80.74%**

Microwave and RADAR Engineering (PR)

Q.1.	Are you able to handle and efficiently setup the microwave test bench?	79.57%
Q.2.	Are you able to verify the port characteristics of all microwave components?	79.57%
Q.3.	Are you able to calculate the performance parameters of all solid state devices?	80.43%
Q.4.	Are you able to classify the radiation pattern for different antennas?	80.87%
Q.5.	Are you able to analyse the working principle of various Radar systems?	78.70%
Q.6.	Are you able to characterize the radar systems based on their performance parameters?	78.26%
Average Feedback		**79.57%**

Computer Communication Networks (PR)

Q.1.	Are you able to be aware of the different types of computer network troubleshooting commands?	76.52%
Q.2.	Are you able to justify where to use cross-wired cable and straight through cable?	76.09%
Q.3.	Are you able to Implement a simple LAN with hubs, switches and Routers?	78.70%

Q.4.	Are you able to design and simulate network layer protocols (Like TCP & UDP) within a simulated networking environment?	76.96%
Q.5.	Are you able to Design & Simulate different network topology within a simulated networking environment?	76.96%
Q.6.	Are you able to Design & Simulate different routing protocols within a simulated networking environment?	76.96%
Average Feedback		77.03%

Prof. M. W. Akram

Feedback Incharge

Dr. Abhay R. Kasetwar

Head of Department

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Department of
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Session 2022-23 (EVEN)
Course End Survey Report

Date:03/05/2023

Class: 4th Year / 8th Semester (Section-B)

Class Incharge: Prof. Mayur Temburney

No. of Participants involved in Feedback: 47

Q. No.	Question	% Response
Microwave and RADAR Engineering (TH)		
Q.1.	Are you able to understand the high frequency limitation of solid state devices?	75.32%
Q.2.	Have you gained knowledge of the function of microwave generators and amplifiers?	74.89%
Q.3.	Are you able to understand various Tees along with their power distribution?	74.89%
Q.4.	Are you able to evaluate the scattering matrix of passive microwave components?	71.49%
Q.5.	Are you able to understand Transferred Electron devices such as Gunn diode, Avalanche diode?	72.77%
Q.6.	Have you gained knowledge of microwave measurements?	71.49%
Q.7.	Are you able to analyse the complexities in microwave measurements?	74.89%
Q.8.	Have you understand radar working principle?	71.49%
Q.9.	Are you able to gain knowledge of various Radar systems?	73.19%
Q.10.	Are you able to analyse the practical challenges in existing radar system?	71.06%
Average Feedback		**73.15%**
Computer Communication Networks (TH)		
Q.1.	Are you able to understand basic concepts computer communication network?	75.74%
Q.2.	Are you able to Understand the requirement of theoretical & practical aspect of computer network?	71.91%
Q.3.	Are you able to differentiate between networking devices like Hub,Switch & Router?	74.47%
Q.4.	Are you able to Understand various types of computer Topologies?	75.32%
Q.5.	Are you able to define various types of OSI layer and their respective protocol?	72.34%
Q.6.	Are you able to understand basic IP addressing scheme?	75.32%
Q.7.	Are you able to Understand the basic concept of congestion control & network traffic in computer network?	74.89%
Q.8.	Are you able to Understand the basic Concept of computer network security & administration?	74.47%
Q.9.	Are you able to Understand the different wired & wireless LAN standards?	74.47%
Q.10.	Did this subject make you comfortable to choose career in Networking?	74.47%
Average Feedback		**74.34%**
Wireless and Mobile Communication (TH)		
Q.1.	Are you able to understand fundamental canons of cellular radio system?	73.62%
Q.2.	Are you able to learn the statistical models of multipath fading and model radio signal propagation issues and analyze their impact on communication system performance?	74.47%
Q.3.	Are you able to understand different types of equalization techniques and diversity concepts?	72.34%
Q.4.	Are you able to understand the Wireless communication systems and standards i.e. GSM, IS-95?	74.04%
Q.5.	Are you able differentiate wireless and fixed telephone networks and identify how internet is accessed over mobile devices?	73.62%

Q.6.	Are you able to learn types of wireless LANs which are classified according to transmission technology and wireless network protocols?		74.47%
Q.7.	By the end of the course what level of change have you noticed in taking the "Wireless & Mobile Communication" challenge by yourself?		74.04%
Q.8.	Are you able to identify, formulate and analyze engineering problems using principles of mathematics and engineering sciences in field of Wireless and Mobile communication?		74.47%
Q.9.	Did this subject make you comforted to understand the Wireless and Mobile Communication?		74.89%
Q.10.	Are you able to understand the evolution and history of wireless technology used in wireless communication?		74.04%
Average Feedback			**74.00%**

Digital Image Processing (TH)

Q.1.	Are you able to understand basic concepts of Digital Image Processing?	76.17%
Q.2.	Have you gained knowledge of the diffrent types of images?	74.04%
Q.3.	Are you able to understand Image sensing and aquazition, sampling and quantization?	75.32%
Q.4.	Are you able to understand various Image Enhacement Techniques?	72.77%
Q.5.	Are you able to apply Histogram Processing Technique?	76.60%
Q.6.	Are you able to apply diffrent transformation methods on given Image?	73.19%
Q.7.	Are you able to apply Hough transformation methods on given Image?	74.89%
Q.8.	Are you able to understand Huffman coding, LZW coding, Arithmatic coding?	73.19%
Q.9.	Are you able to differentiate between Lossless and Lossy Predictive Coding?	72.77%
Q.10.	Are you able to apply diffent algorithms on given Images?	74.47%
Average Feedback		**74.34%**

Satellite Communication (TH)

Q.1.	Are you able to understand basics of orbital aspects of satellite and the space craft system	77.02%
Q.2.	Are you able to understand Satellite link Design such as uplink and downlink design, G/T and C/N ratio	74.47%
Q.3.	Are able to learn Multiple Access Techniques such as FDMA,TDMA,CDMA,DAMA?	75.74%
Q.4.	Are you able to learn Propogation Effect, Rain, ICE, Land Effects on the satellite?	73.62%
Q.5.	Are you able to learn various Error Detection and Correction techniques?	75.74%
Q.6.	Are you able to learn Earth Station Design and equipment for the earth station?	72.77%
Q.7.	Are you able to learn different applications of satellite depending on its orbits	75.74%
Q.8.	By the end of the course what level of change have you noticed in taking the "basics of Satellite Communication" challenge by yourself?	75.32%
Q.9.	Did this subject make you comforted to understand the basics of Satellite Communication field?	74.47%
Q.10.	Are you able to identify, formulate and analyze engineering problems using principles of mathematics and engineering in the field of satellite communication?	73.62%
Average Feedback		**74.85%**

Microwave and RADAR Engineering (PR)

Q.1.	Are you able to handle and efficiently setup the microwave test bench?	74.47%
Q.2.	Are you able to verify the port characteristics of all microwave components?	72.77%
Q.3.	Are you able to calculate the performance parameters of all solid state devices?	73.19%
Q.4.	Are you able to classify the radiation pattern for different antennas?	74.04%
Q.5.	Are you able to analyse the working principle of various Radar systems?	72.77%
Q.6.	Are you able to characterize the radar systems based on their performance parameters?	74.47%
Average Feedback		**73.62%**

Computer Communication Networks (PR)

Q.1.	Are you able to be aware of the different types of computer network troubleshooting commands?	76.17%
Q.2.	Are you able to justify where to use cross-wired cable and straight through cable?	72.77%
Q.3.	Are you able to Implement a simple LAN with hubs, switches and Routers?	77.45%

Q.4.	Are you able to design and simulate network layer protocols (Like TCP & UDP) within a simulated networking environment?	71.91%
Q.5.	Are you able to Design & Simulate different network topology within a simulated networking environment?	76.17%
Q.6.	Are you able to Design & Simulate different routing protocols within a simulated networking environment?	74.47%
Average Feedback		**74.82%**

Prof. M. W. Akram

Feedback Incharge

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Head of Department

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Session 2022-23 (EVEN)
Program Exit Feedback Report

Date:03/05/2023

Class: 4th Year / 8th Semester (Section A & B)

No. of Participants involved in Feedback: **93**

Q. No.	Question	% Response
Q.1.	To what extent you have been imparted the knowledge of Mathematics, Science and basic engineering?	72.69%
Q.2.	To what extent you have developed your abilities to identify analyze complex engineering problems with efficient conclusions using principle of mathematics and engineering sciences?	74.64%
Q.3.	To what extent your learning in the programme has developed your abilities to design a practical system or a process to meet desired societal needs?	73.34%
Q.4.	Whether your research based knowledge is sufficient enough in identification of complex problems and to provide valid conclusion?	74.63%
Q.5.	Are you been able to possess ability to use the techniques, skills and modern engineering tools necessary for engineering practice?	73.77%
Q.6.	Have you been made aware regarding potential of your engineering knowledge for providing solutions to global, economic and social needs?	73.57%
Q.7.	To what extent you are being capable of understanding the impact of engineering solutions on environment and society and to justify for sustainable development?	73.98%
Q.8.	Has the programme provided you a reasonable understanding of your professional and ethical responsibilities?	72.91%
Q.9.	Have you been able to develop abilities to function effectively as an individual as well as to work in multidisciplinary teams?	74.63%
Q.10.	To what extent you have been capable of enhancing your communication skills and to communicate effectively with engineering community?	73.99%
Q.11.	Have you developed project management skills as well as financial sense for efficient management of projects?	73.55%
Q.12.	Are you prepared to dedicate yourselves in lifelong learning through education context or any research related activities?	74.63%

Prof. M. W. Akram
Feedback Incharge

Dr. Abhay R. Kasetwar
Head of Department