1.1.1 - The Institution ensures effective curriculum delivery through a well-planned and documented process.

Table of Contents

Step I- Receipt of programme wise curriculum & Academic Calendar for the session from University. 4

University Academic Calendar 4

University Academic Calendar for First Year 5

University provided programme wise curriculum 6

Step II- Formulation of Institute's Academic Calendar for the semester & Various Committees. 20

Institute Sample Academic Calendar for Even Semester 20

Institute Sample Academic Calendar for Odd Semester 21

Internal Complaints Committee 22

Students Grievance Redressal Committee 23

Institute Industry Committee 24

Committee for SC / ST 25

Anti Ragging Committee 26

Women Grievance Redressal Committee 27

Step III – Study of University Syllabus and raise the requirement for updation and also collect subject choice from faculties. 28

Sample Subject Choice Form Filled by ECE Faculty 28

Sample Subject Choice Form Filled by CE Faculty 29

Sample Subject Choice Form Filled by CSE Faculty 30

Departments Minutes of Meeting (Sample MoM from CSE Department) 31

Departments Minutes of Meeting (Sample MoM from CE Department) 35

Step IV - Formulation of department Activity Calendar for the semester align with Academic Calendar. 39

Sample ECE Activity Calendar for Even Semester 39

Sample ME Activity Calendar for Odd Semester 40

Sample CE Activity Calendar for Even Semester 41

Various Type of Coordinator at Department level –Sample from ECE Department 42

Various Type of Coordinator at Department level –Sample from CSE Department 43
Various Type of Coordinator at Department level –Sample from ME Department 44
Step V- Competency/ experience-based allotment of subjects to various faculty members of the dept – Prepare Load Chart, Time Table and allocation of Syndicate Incharge. 45
Sample Load Chart from ECE 45
Sample Load Chart from IT 46
Sample Load Chart from CE 46
Sample Timetable from CSE 47
Sample Timetable from IT 47
Sample Timetable from ME 48
Sample Timetable from ECE 48
Sample Syndicate Incharge list from EC 49
Step VII - Display Evaluation Scheme on Notice board. 54
Mention in Scheme provided by Affiliating University 54
Display Evaluation System on Notice Board 54
Step VIII- Regular conduct of lectures/ tutorials/ lab classes duly monitored by HOD/ Dean/ Director on regular basis and prepare Attendance register and dairy daily by all faculties. 55
Sample Attendance Register, Dairy Daily and Lesson Plan from CE 55
Sample Attendance Register from First Year 69
Frequency & Variety for Continuous Evaluation 80
Mechanism of Internal & External Assessment 80
Academic Calendar (Highlight the Internal Assessment communicate to students) 80
MST Notice (Highlight Evaluation System Communicate to the students) 81
Rubrics for PO's Assessment and Attainment 82
Flow Chart for Continuous Evaluation 83
Mid Semester Examinations Timetable 83
Internal Evaluation (Theory & Practical) 84
Mention in MST Notices 91
MST Examination Paper based on AICTE Exam Reform Policy 92
External Evaluation 97

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Display of External / Internal Timetable on Notice Board 98
University Notice for display internal marks. 98
Various Type of Feedback System @ IIST 99
Semester / Course End Survey 99
Program End Survey 100
Parents Feedback 100
Alumni Feedback 101
Event Feedback 101
Academic Feedback 102
Students Satisfaction Survey 102
Sample Result Analysis of CE 103
Sample Result Analysis of EC 106
Semester summary of Result Analysis 108
Sample Course File from First Year 109
Sample Course Outcome 122
Sample PO CO Mapping Table from CSE 126

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Step I- Receipt of programme wise curriculum & Academic Calendar for the session from university.

27/02/2023

RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA

(University of Technology of Madhya Pradesh)

ACADEMIC CALENDAR FOR THE YEAR 2022-2023 [REVISED]

FOR DEGREE PROGRAMMES AND POST GRADUATE PROGRAMMES

S. No.	Particular	III Semester Schedule	IV Semester Schedule
01.	Duration of Semester	July – December 2022	January – June 2023
02.	Commencement of Classes	16th August 2022	17th February 2023
03.	I Sessional Exam/Mid/Sem.	19th – 24th Sep. 2022	27th March – 01st April 2023
04.	II Sessional Exam/Mid/Sem.	16th – 22nd Nov. 2022	01st May– 06th May 2023
05.	Dussehra Holiday	02nd – 09th Oct. 2022	----
06.	Submission of Examination Form i. Without late fee ii. With Late Fee	10th – 26th Dec. 2022 27th Dec. 2022 – 03rd Jan. 2023	10th June – 20th June 2023 21st June - 25th June 2023
07.	Diwali Vacation	23rd – 30th Oct. 2022	----
08.	Last date of Teaching	31st December 2022	27th May 2023
09.	Submission of Mid Semester & Sessional Marks to University	04th – 09th Jan. 2023	29th May – 26th June 2023
10.	End Semester Examination (i) Theory (ii) Practical Examination	10th – 21st Jan. 2023 23rd – 31st Jan. 2023	27th June – 11th July 2023 12th July – 17th July 2023
11.	Submission of Practical marks to University	On the date of Practical Examination	On the date of Practical Examination
12.	Internship/Preparation Leave	----	29th May – 26th June 2023
13.	Declaration of result	In the Month of February 2023	In the Month of August 2023

Note:

- During Mid Semester Examination, classes in the remaining periods will be conducted as per schedule.
- Depending upon monthly progress of syllabus extra classes would be organized by department during official holidays.
- III Mid Semester examination is optional. Students intending to appear in the III Mid Semester exam will contact their respective HODs for the examination.
- In case of late admission of lateral admission students, the institutions are advised to conduct extra classes to complete the syllabus within stipulated time.
- Winter vacation applicable for students only.

Controller (Exam)
Rajiv Gandhi Proudyogiki
Vishwavidyalaya, Bhopal

IIST

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University Academic Calendar

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27/02/2023

RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA

(University of Technology of Madhya Pradesh)

ACADEMIC CALENDAR FOR THE YEAR 2022-2023 [REVISED]

FOR DEGREE PROGRAMMES AND POST GRADUATE PROGRAMMES

S.No.	Particular	Ist Semester Schedule	IInd Semester Schedule
01.	Duration of Semester	July-December 2022	January-June 2023
02.	Commencement of Academic	17th October 2022	17th March 2023
03.	Student Induction Program (SIP) 21 Days Undergraduate	17th October 2022	----
04.	I Sessional Exam/Mid/Sem.	26th to 31st December 2022	17th April – 22nd April 2023
05.	II Sessional Exam/Mid/Sem.	30th Jan. – 05th Feb. 2023	15th May – 20th May 2023
06.	Submission of Examination Form i. Without late fee ii. With Late Fee	30th Jan. – 05th Feb. 2023 06 - 09 February 2023	10th June – 21st June 2023 22nd June - 27th June 2023
07.	Last date of Teaching	03rd February 2023	22nd June 2023
08.	Submission of internal marks to University	Upto 28th February 2023	29th May – 27th June 2023
09.	End Semester Examination (i) Theory (ii)Practical Examination	14 – 25 February 2023 26 Feb. – 03 Mar. 2023	28th June - 12th July 2023 13th July – 18th July 2023
10.	Internship/End Sem. Break	--	19th July – 31st July 2023
11.	Date of Result Declaration	End of March 2022	End of August 2023

Note:

- During Mid Semester Examination, classes in the remaining periods will be conducted as per schedule.
- Depending upon monthly progress of syllabus extra classes would be organized by department during official holidays.
- III Mid Semester examination is optional. Students intending to appear in the III Mid Semester exam will contact their respective HODs for the examination.
- In case of late admission of lateral admission students, the institutions are advised to conduct extra classes to complete the syllabus within stipulated time.
- Winter vacation applicable for students only.

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University provided programme wise curriculum

Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal

Scheme of Examination as per AICTE Flexible Curricula

IV Semester **Bachelor of Technology (B.Tech.) [Electronics & Communication Engineering]**

For batches admitted in July, 17 & July, 18 (w.e.f. July, 2018)

S. No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Term work / Lab Work & Sessional		L	T	P	
1.	ES401	BSC	Energy & Environmental Engineering	70	20	10	-	-	100	3	1	-	4
2.	EC402	DC	Signals & Systems	70	20	10	30	20	150	2	1	2	4
3.	EC403	DC	Analog Communication	70	20	10	30	20	150	3	1	2	5
4.	EC404	DC	Control System	70	20	10	30	20	150	3	1	2	5
5.	EC405	DC	Analog Circuits	70	20	10	30	20	150	3	0	2	4
6.	EC406	DLC*	Simulation Lab	-	-	-	30	20	50	-	-	4	2
7.	BT407	DLC	90 hrs Internship based on using various software's –Internship -II	To be completed anytime during fourth semester. Its evaluation/credit to be added in fifth semester.									3
			Total	350	100	50	150	100	750	14	4	12	24
8.	BT408	MC	Cyber Security	Non-credit course									
			NSS/NCC										

*A minimum of 2hours per week should be allotted for the Virtual Lab along with the slot fixed for the conventional lab classes.

MST: Minimum of two mid semester tests to be conducted.

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	1 Credit	1 Credit

Rajiv Gandhi Proudvogiki Vishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

VI Semester **Bachelor of Technology (B.Tech.) Electronics & Communication Engg.** *(w.e.f. Jan. 2020)*

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work / Lab Work & Sessional		L	T	P	
1.	EC601	DC	Digital Signal Processing	70	20	10	30	20	150	2	1	2	4
2.	EC602	DC	Antenna & Wave propagation	70	20	10	30	20	150	2	1	2	4
3.	EC603	DE	Departmental Elective	70	20	10	-	-	100	4	-	0	4
4.	EC604	OE	Open Elective	70	20	10	-	-	100	4	-	0	4
5.	EC605	D Lab	Data Communication Lab	-	-	-	30	20	50	-	-	6	3
6.	EC606	O/E Lab	Microcontroller & Embedded system	-	-	-	30	20	50	-	-	6	3
7.	EC607	IN	Internship-III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
8.	EC608	P	Minor Project II	-	-	-	-	50	50	-	-	4	2
9.	Additional Credits*	*Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.											
			Total	280	80	40	120	130	650	12	2	20	24

Departmental Electives	Open Electives
603 (A) Data Communication	604(A) Microcontroller & Embedded system
603 (B) CMOS Design	604(B) Bio-medical Electronics
603(C) Satellite Communication	604(C) Power Electronics

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	1 Credit	1 Credit

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Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

Branch- Common to All Discipline

ES401	**Energy & Environmental Engineering**	**3L-1T-0P**	**4 Credits**

The objective of this Course is to provide *an introduction to energy systems and renewable energy resources, with a scientific examination of the energy field and an emphasis on alternative energy sources and their technology and application.*

Module 1: Introduction to Energy Science:

Introduction to energy systems and resources; Introduction to Energy, sustainability & the environment; Overview of energy systems, sources, transformations, efficiency, and storage; Fossil fuels (coal, oil, oil-bearing shale and sands, coal gasification) - past, present & future, Remedies & alternatives for fossil fuels - biomass, wind, solar, nuclear, wave, tidal and hydrogen; Sustainability and environmental trade-offs of different energy systems; possibilities for energy storage or regeneration (Ex. Pumped storage hydro power projects, superconductor-based energy storages, high efficiency batteries)

***Module2*: Ecosystems**

- Concept of an ecosystem; Structure and function of an ecosystem; Producers, consumers and decomposers; Energy flow in the ecosystem; Ecological succession; Food chains, food webs and ecological pyramids; Introduction, types, characteristic features, structure and function of the following ecosystem (a.)Forest ecosystem (b) Grassland ecosystem (c) Desert ecosystem (d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

***Module 3*: Biodiversity and its conservation**

- Introduction – Definition: genetic, species and ecosystem diversity; Bio-geographical classification of India; Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values; Biodiversity at global, National and local levels; India as a mega-diversity nation; Hot-sports of biodiversity; Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts; Endangered and endemic species of India; Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.

***Module 4:* Environmental Pollution**

- Definition, Cause, effects and control measures of Air pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal pollution, Nuclear hazards; Solid waste Management: Causes, effects and control measures of urban and industrial wastes; Role of an individual in prevention of pollution; Pollution case studies; Disaster

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management: floods, earthquake, cyclone and landslides.

Module 5: **Social Issues and the Environment**

- From Unsustainable to Sustainable development; Urban problems related to energy; Water conservation, rain water harvesting, watershed management; Resettlement and rehabilitation of people; its problems and concerns. Case Studies
  Environmental ethics: Issues and possible solutions. Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case Studies Wasteland reclamation; Consumerism and waste products; Environment Protection Act; Air (Prevention and Control of Pollution) Act; Water (Prevention and control of Pollution) Act; Wildlife Protection Act; Forest Conservation Act; Issues involved in enforcement of environmental legislation; Public awareness.

Module 6: Field work

- Visit to a local area to document environmental assets-river/forest/grassland/hill/mountain
- Visit to a local polluted site-Urban/Rural/Industrial/Agricultural
- Study of common plants, insects, birds.
- Study of simple ecosystems-pond, river, hill slopes, etc.

REFERENCE

1. Brunner R.C., 1989, Hazardous Waste Incineration, McGraw Hill Inc.
2. Clark R.S., Marine Pollution, Clanderson Press Oxford (TB).
3. Cunningham, W.P. Cooper, T.H. Gorhani, E & Hepworth, M.T. 2001, Environmental Encyclopedia, Jaico Publ. House, Mumabai,
4. De A.K., Environmental Chemistry, Wiley Eastern Ltd.
5. Trivedi R.K., Handbook of Environmental Laws, Rules Guidelines, Compliances and Standards', Vol I and II, Enviro Media (R)
6. Boyle, Godfrey, Bob Everett, and Janet Ramage (Eds.) (2004), Energy Systems and Sustainability: Power for a Sustainable Future. Oxford University Press.
7. Schaeffer, John (2007), Real Goods Solar Living Sourcebook: The Complete Guide to Renewable Energy Technologies and Sustainable Living, Gaiam

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New Scheme Based On AICTE Flexible Curricula

Electronics & Communication Engineering IV-Semester

EC402 Signals & Systems

Unit-1 Introduction of Signals and Systems: Definition of signal, Classification of Signal and representation: Continuous time and discrete time, even/odd, periodic/aperiodic, random/deterministic, energy/power, one/multidimensional, some standard signals, , Basic Operations on Signals for CT/DT signal, transformation of independent & dependent variables.

Definition of system and their classification: CT/DT, linear/non-linear, variant/non-variant, causal and non-causal system state/dynamic system, interconnection of systems. System properties: linearity: additivity and homogeneity, shift-invariance, causality, stability, realizability.

Unit-2 Linear Time- Invariant Systems: Introduction, Impulse Response Representation for LTI Systems, Convolution, Properties of the Impulse Response Representation for LTI Systems, Difference Equation for LTI Systems, Block Diagram Representations(direct form-I, direct form-II, Transpose, cascade and parallel). Impulse response of DT-LTI system and its properties.

Unit-3 z-Transform: Introduction, ROC of finite duration sequence, ROC of infinite duration sequence, Relation between Discrete time Fourier Transform and z-transform, properties of the ROC, Properties of z-transform, Inverse z-Transform, Analysis of discrete time LTI system using zTransform, Unilateral z-Transform.

Unit-4 Fourier analysis of discrete time signals: Introduction, Properties and application of discrete time Fourier series, Representation of Aperiodic signals, Fourier transform and its properties, Convergence of discrete time Fourier transform, Fourier Transform for periodic signals, Applications of DTFT.

Unit-5 State-space analysis and multi-input, multi-output representation. The state-transition matrix and its role. The Sampling Theorem and its implications- Spectra of sampled signals. Reconstruction:

Reference Books:

1. Simon Haykin, "Signals and Systems", John Wiley.
2. Simon Haykin, "Analog and Digital Communications", John Willey.
3. Bruce Carlson, "Signals and Systems", TMH.

4. Oppenheim & Wilsky, "Signals & Systems", PHI.
5. Taub and Schilling "Principles of communication signals", 2nd ed. New York: Mcgraw-Hill, 1986.

LIST OF EXPERIMENTS

1. Introduction to MATLAB Tool.
2. To implement delta function, unit step function, ramp function and parabolic function for continuous-time.
3. To implement delta function, unit step function, ramp function and parabolic function for discrete-time.
4. To implement rectangular function, triangular function, sinc function and signum function for continuous-time.
5. To implement rectangular function, triangular function, sinc function and signum function for discrete-time.
6. To explore the communication of even and odd symmetries in a signal with algebraic operations.
7. To explore the effect of transformation of signal parameters (amplitude-scaling, time-scaling & shifting).
8. To explore the time variance and time invariance property of a given system.
9. To explore causality and non-causality property of a system.
10. To demonstrate the convolution of two continuous-time signals.
11. To demonstrate the correlation of two continuous-time signals.
12. To demonstrate the convolution of two discrete-time signals.
13. To demonstrate the correlation of two discrete-time signals.
14. To determine Magnitude and Phase response of Fourier Transform of given signals.

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RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL

New Scheme Based On AICTE Flexible Curricula

Electronics & Communication Engineering IV-Semester

EC403 Analog Communication

Unit-1

Frequency domain representation of signal: Fourier transform and its properties, condition of existence, Fourier transform of impulse, step,signum , cosine, sine, gate pulse, constant, properties of impulse function. Convolution theorem (time & frequency), correlation(auto & cross), energy & power spectral density

Unit-2

Introduction: Overview of Communication system, Communication channels Need for modulation, Baseband and Pass band signals, Amplitude Modulation: Double side band with Carrier (DSB-C), Double side band without Carrier, Single Side Band Modulation, DSB-SC, DSB-C, SSB-SC,Generation of AM, DSB-SC, SSB-SC, VSB-SC & its detection,Vestigial Side Band (VSB).

Unit-3

Types of angle modulation, narrowband FM,wideband FM, its frequency spectrum, transmission BW, methods of generation (Direct & Indirect), detection of FM (discriminators: balanced, phase shift and PLL detector),pre emphasis and de-emphasis. FM transmitter & receiver: Block diagram ofFM transmitter& receiver, AGC, AVC, AFC,

Unit-4

AM transmitter& receiver: Tuned radio receiver &super heterodyne, limitation of TRF, IF frequency, image signal rejection, selectivity, sensitivity and fidelity ,Noise in AM, FM

Unit-5

Noise: Classification of noise, Sources of noise, Noise figure and Noise temperature, Noise bandwidth, Noise figure measurement, Noise in analog modulation, Figure of merit for various AM andFM, effect of noise on AM &FM receivers.

REFERENCES

1. Simon Haykins, Communication System, John Willy
2. Singh &Sapre, Communication System, TMH
3. B.P. Lathi, Modern Digital and analog communication system; TMH
4. Singhal, analog and Digital communication, TMH
5. Rao, Analog communication, TMH
6. P K Ghose, principal of communication of analog and digital, universities press.
7Taub& shilling, Communication System, TMH
8. Hsu; Analog and digital communication(Schaum); TMH
9. Proakis fundamental of communication system. (Pearson edition).

List of Experiments:

1. To analyze characteristics of AM modulator & Demodulators.
2. To analyze characteristics of FM modulators& Demodulators.
3. To analyze characteristics of super heterodyne receivers.
4. To analyze characteristics of FM receivers.
5. To construct and verify pre emphasis and de-emphasis and plot the wave forms.
6. To analyze characteristics of Automatic volume control and Automatic frequency control.
7. To construct frequency multiplier circuit and to observe the waveform.
8. To design and analyze characteristics of FM modulatorand AM Demodulator using PLL.

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New Scheme Based On AICTE Flexible Curricula

Electronics & Communication Engineering IV-Semester

EC404 Control System

Unit-1 Introduction to Control system: Terminology and classification of control system, examples of control system, mathematical modeling of mechanical and electrical systems, differential equations, transfer function, block diagram representation and reduction, signal flow graph techniques.

Feedback characteristics of control systems Open loop and closed loop systems, effect of feedback on control system and on external disturbances, linearization effect of feedback, regenerative feedback

.Unit-2 Time response analysis Standard test signals, time response of 1st order system, time response of 2nd order system, steady-state errors and error constants, effects of additions of poles and zeros to open loop and closed loop system.

Time domain stability analysis Concept of stability of linear systems, effects of location of poles on stability, necessary conditions for stability, Routh-Hurwitz stability criteria, relative stability analysis, Root Locus concept, guidelines for sketching Root-Locus.

Unit-3 Frequency response analysis Correlation between time and frequency response, Polar plots, Bode Plots, all-pass and minimum-phase systems, log-magnitude versus Phase-Plots, closed-loop frequency response.

Frequency domain stability analysis : Nyquist stability criterion, assessment of relative stability using Nyquist plot and Bode plot (phase margin, gain margin and stability).

Unit-4 Approaches to system design Design problem, types of compensation techniques, design of phase-lag, phase lead and phase lead-lag compensators in time and frequency domain, proportional, derivative, integral and Composite Controllers.

Unit-5 State space representation of systems, block diagram for state equation, transfer function decomposition, solution of state equation, transfer matrix, relationship between state equation and transfer function, controllability and observability.

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Text/Reference Books:

1. Albert D. Helfrick, William David Cooper, "Modern electronic instrumentation and measurement techniques", TMH 2008.
2. Oliver Cage, "Electronic Measurements and Instrumentation", TMH, 2009.
3. Alan S. Morris, "Measurement and Instrumentation Principles", Elsevier (Buterworth Heinmann), 2008.
4. David A. Bell, "Electronic Instrumentation and Measurements", 2nd Ed., PHI, New Delhi 2008.
5. H.S. Kalsi, "Electronics Instrumentation", TMH Ed. 2004
6. A.K.Sawhney, "A Course in Electrical and Electronic Measurements and Instrumentation", Dhanpat Rai.
7. MMS Anand, "Electronic Instruments & Instrumentation Technology", PHI Pvt. Ltd., New Delhi Ed. 2005

CONTROL SYSTEM LAB

Control System performance analysis and applications of MATLAB in Control system performance analysis & design.

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New Scheme Based On AICTE Flexible Curricula

Electronics & Communication Engineering IV-Semester

EC405 Analog Circuits

COURSE CONTENTS:

Feedback Amplifier and Oscillators: Concept of feedback and their types, Amplifier with negative feedback and its advantages. Feedback Topologies.

Oscillators: Concept of Positive feedback, Classification of Oscillators, Barkhausen criterion, Types of oscillators: RC oscillator, RC Phase Shift, Wien Bridge Oscillators. LC Oscillator: Hartley, Colpitt's, Clapp and Crystal oscillator.

Introduction to integrated circuits: Advantages and characteristic parameters of IC's, basic building components, data sheets

Operational Amplifier: Differential amplifier and analysis, Configurations- Dual input balanced output differential amplifier, Dual input Unbalanced output differential amplifier, Single input balanced output differential amplifier, Single input Unbalanced output differential amplifier Introduction of op-amp, Block diagram, characteristics and equivalent circuits of an ideal opamp, Power supply configurations for OP-AMP.

Characteristics of op-amp: Ideal and Practical, Input offset voltage, offset current, Input bias current, Output offset voltage, thermal drift, Effect of variation in power supply voltage, common-mode rejection ratio (CMRR), Slew rate and its Effect, PSRR and gain bandwidth product, frequency limitations and compensations, transient response, analysis of TL082 datasheet.

OP-AMP applications: Inverting and non-inverting amplifier configurations, Summing amplifier, Integrators and differentiators, Instrumentation amplifier, Differential input and differential output amplifier, Voltage-series feedback amplifier, Voltage-shunt feedback amplifier, Log/ Antilog amplifier, Triangular/rectangular wave generator, phase-shift oscillators, Wein bridge oscillator, analog multiplier-MPY634, VCO, Comparator, Zero Crossing Detector. OP-AMP AS FILTERS: Characteristics of filters, Classification of filters, Magnitude and frequency response, Butterworth 1st and 2nd order Low pass, High pass and band pass filters, Chebyshev filter characteristics, Band reject filters, Notch filter; all pass filters, self-tuned filters, AGC,AVC using op-AMP.

TIMER:IC-555 Timer concept, Block pin configuration of timer. Monostable, Bistable and AstableMultivibrator using timer 555-IC, Schmitt Trigger, Voltage limiters, Clipper and

clampers circuits, Absolute value output circuit, Peak detector, Sample and hold Circuit, Precision rectifiers, Voltage-to-current converter, Current-to-voltage converter.

Voltage Regulator: simple OP-AMP Voltage regulator, Fixed and Adjustable Voltage Regulators, Dual Power supply, Basic Switching Regulator and characteristics of standard regulator ICs such as linear regulator, Switching regulator andlow-drop out regulator. Study of LM317, TPS40200 and TPS7250

TEXT BOOKS:

1. RamakantA.Gaikward,"OP- Amp and linear Integrated circuits" Third edition 2006, Pearson.
2. B. Visvesvara Rao Linear Integrated Circuits Pearson.
3. http://www.nptelvideos.in/2012/11/analog-ics.html
4. http://nptel.ac.in/courses/117108107/

REFERENCES:

1. David A. Bell: Operational Amplifiers & Linear ICs, Oxford University Press, 2nd edition,2010.
2. D. Roy Choudhury:Linear Integrated Circuits New Age Publication.
3. B. Somanathan Nair: Linear Integrated Circuits analysis design and application Wiley India Pvt. Ltd.
4. Maheshwary and Anand: Analog Electronics, PHI.
5. S.Salivahanan,V S KanchanaBhaaskaran: Linear Integrated Circuits",second edition, McGraw Hill.
6. Gray Hurst Lewis Meyer Analysis and design of analog Integrated Circuits fifth edition Wiley India.
7. RobertF.Coughlin, Frederick,F.Driscoll: Operational Amplifiers and Linear Integrated Circuits, sixth edition, Pearson.
8. Millman and Halkias: Integrated electronics, TMH.
9. Boylestad and Nashelsky: Electronic Devices and Circuit Theory, Pearson Education.
10. Sedra and Smith: Microelectronics, Oxford Press.

List of Experiments :

Apparatus Required –Dual Channel Cathode Ray Oscilloscope (0-20 MHz), Function Generator (10MHz and above), Dual Power Supply, LM741, TL082, MPY634,TPS7250, Probes, digital multimeter.

1. To measure and compare the op-amp characteristics: offset voltages, bias currents, CMRR, Slew Rate of OPAMP LM741 and TL082.
2. To determine voltage gain and frequency response of inverting and non-inverting amplifiers using TL082.
3. To design an instrumentation amplifier and determine its voltage gain using TL082.
4. To design op-amp integrator (low pass filter) and determine its frequency response.
5. To design op-amp differentiator (high pass filter) and determine its frequency response.

6. Design 2nd order Butterworth filter using universal active filter topology with LM741
7. To design Astable, Monostable and Bistablemultivibrator using 555 and analyse its characteristics.
8. Automatic Gain Control (AGC) Automatic Volume Control (AVC)using multiplier MPY634
9. To design a PLL using opampwith MPY634 anddetermine the free running frequency, the capture range and the lock in range of PLL
10. Design and test a Low Dropout regulator using op-amps for a given voltage regulation characteristic and compare the characteristics with TPS7250 IC.

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INDORE INSTITUTE OF SCIENCE & TECHNOLOGY

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RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL

New Scheme Based On AICTE Flexible Curricula

Electronics & Communication Engineering IV-Semester

EC406 Simulation Lab

COURSE CONTENTS: Introduction to circuit simulation software (TINA-PRO/ PSPICE/ CIRCUIT MAKER). Study of the key features and applications of the software in the field of Electronic Circuits, Electronic Instrumentation and Network Analysis.

Design, Optimization and simulation of;

1. Basic Electronic circuits (examples rectifiers, clippers, clampers, diode, transistor characteristics etc).

2. Transient and steady state analysis of RL/ RC/ RLC circuits, realization of network theorems.

3. Use of virtual instruments built in the software.

Introduction to PCB layout software

Overview and use of the software in optimization, designing and fabrication of PCB pertaining to above circuits simulated using above simulation software. Students should simulate and design the PCB for at least two circuits they are learning in the current semester.

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RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL

New Scheme Based On AICTE Flexible Curricula

Electronics & Communication Engineering VI-Semester

EC- 601 Digital signal Processing

EC- 601 Digital signal Processing

Unit – I

Discrete-Time Signals and Systems

Discrete-time signals, discrete-time systems, analysis of discrete-time linear time-invariant systems,discrete time systems described by difference equation, solution of difference equation, implementation of discrete-time systems, stability and causality, frequency domain representation of discrete time signals and systems.

Unit - II

The z-Transform

The direct z-transform, properties of the z-transform, rational z-transforms, inversion of the z transform,analysis of linear time-invariant systems in the z- domain, block diagrams and signal flow graph representation of digital network, matrix representation.

Unit - III

Frequency Analysis of Discrete Time Signals

Discrete fourier series (DFS), properties of the DFS, discrete Fourier transform (DFT), properties of DFT, two dimensional DFT, circular convolution.

Unit - IV

Efficient Computation of the DFT

FFT algorithms, decimation in time algorithm, decimation in frequency algorithm, decomposition for 'N'composite number.

Unit – V

Digital filters Design Techniques

Design of IIR and FIR digital filters, Impulse invariant and bilinear transformation, windowing techniques rectangular and other windows, examples of FIR filters, design using windowing.

References:

1. Oppenheim and Schafer: Digital Signal Processing, PHI Learning.
2. Johnny R. Johnson: Introduction to Digital Signal Processing, PHI Learning.
3. Proakis: Digital Signal Processing, Pearson Education.
4. Rabiner and Gold: Theory and Application of Digital Signal Processing, PHI Learning.
5. Ingle and Proakis: Digital Signal Processing- A MATLAB based Approach, Thompson, Cengage Learning.

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Step II- Formulation of Institute's Academic Calendar for the semester & Various Committees.

Indore Institute of Science and Technology

Academic Calendar of 2022-23 (Session: Jan. - June 2023)

January

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

February

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

March

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

April

Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

May

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

June

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Events (Tentative)

For Degree Programmes – BE/B. Tech.

Commencement of Classes

1st Year - 2nd Sem. - 13th March 2023*
2nd Year - 4th Sem. – 13th Feb., 2023*
3rd Year - 6th Sem. - 02nd Jan., 2023*
4th Year - 8th Sem. - 02ad Jan., 2023*

Last date for Semester Registration

2nd Sem. - 20th March 2023*
4th Sem. - 20th Feb., 2023*
6th Sem. - 09th Jan. 2023*
8th Sem. - 09th Jan. 2023*

Attendance

Display of 1st short attendance list intimation to Parents
After 30 days from the Commencement of Classes
Display of 2nd short attendance list intimation to Parents
After 60 days from the Commencement of Classes

Internal Assessment - Centralized MST-I — **Display of Result**

2nd Sem. **(Theory & Practical)** - 05th – 11th April 2023* — 17th April 2023*
4th Sem. **(Theory & Practical)** - 01st – 06th March 2023* — 11th March 2023*
6th & 8th Sem. **(Theory & Practical)** - 13th – 17th Feb., 2023* — 24th Feb., 2023*

Centralized MST-II — **Display of Result**

2nd Sem. **(Theory Exam)** - 22nd – 27th May 2023* — 02nd June 2023*
4th Sem. **(Theory Exam)** - 03rd – 08th April 2023* — 14th April 2023*
6th & 8th Sem. **(Theory Exam)** - 20th – 24th March 2023* — 31st March 2023*
Class Test/Quizzes to be conducted before each MST

Submission of Mid Semester & Sessional Marks to University

4th Sem. - 06th – 12th May 2023*
6th & 8th Sem. - 20th – 26th April 2023*

Submission of 2nd Sem. internal marks to University – Up to 08th July 2023*

Submission of Practical marks to University – On the date of Practical Exam.

Event (Extra Curriculum & Sports activities)

Institute level (Inter Branch) Sports activity — March 2023 *
Tech-Fest & Cutural events — March 2023*

End of Teaching

2nd Sem. – 6th July, 4th Sem. – 05th May and 6th & 8th Sem. - 20th April 2023*

University Exam	Theory Examination	Practical Examination
2nd Sem.	11th – 21st July 2023*	22nd – 28th July 2023*
4th Sem.	13th – 25th May 2023*	26th – 31st May 2023*
6th & 8th Sem.	27th April – 20th May 2023*	21st – 31st May 2023*

***Dates are subjected to change as per University guidelines & schedule.**
Two Industry visit & Two Expert lectures for each department is mandatory.
Sports Activity: On all working Saturday & RGPV Sports Activities will be as per University Sports Calendar.

List of Holidays for the session (Jan. to June – 2023)

New Year	01/01/2023	Mahavir Jayanti	04/04/2023
Republic Day	26/01/2023	Good Friday	07/04/2023
Sant Ravidas Jayanti	05/02/2023	Dr. Ambedkar Jayanti	14/04/2023
Maha Shivratri	18/02/2023	Parshuram Jayanti	22/04/2023
Holi	08/03/2023	Buddha Purnima	05/05/2023
Gudi Padwa	22/03/2023	Bisramunda punyatithi	09/06/2023
Ram Navami	30/03/2023	Id U Juha	29/06/2023

Local holiday as per notified by District Administration.

Dr. Keshav Patidar
Principal

Shri Arun S Bhatnagar
Director General

Institute Sample Academic Calendar for Even Semester

INDORE INSTITUTE OF SCIENCE & TECHNOLOGY

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Indore Institute of Science and Technology

Academic Calendar of 2022-23 (Session: July - Dec. 2022)

July

Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

August

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

September

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

October

Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

November

Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

December

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Events (Tentative)

Commencement of Classes

2nd Year - 3rd Sem. & 3rd Year - 5th Sem.	1st August 2022
4th Year - 7th Sem.	4th July 2022

Last date for Semester Registration

2nd Year - 3rd Sem. & 3rd Year - 5th Sem.	08th Aug., 2022
4th Year - 7th Sem.	11th July, 2022

Attendance

Display of 1st short attendance list intimation to Parents
After 30 days from the Commencement of Classes
Display of 2nd short attendance list intimation to Parents
After 60 days from the Commencement of Classes

Internal Assessment

Centralized MST-I

3rd & 5th Sem. (Theory & Practical)	13th – 17th Sept. 2022
7th Sem. (Theory & Practical)	22nd – 27th Aug. 2022

Display of MST-I Result 3rd & 5th Sem. on 22nd Sept. 2022 and 7th Sem. on 2nd Sept. 2022

Centralized MST-II

3rd & 5th Sem. (Theory & Practical)	18th – 22nd Oct. 2022
7th Sem. (Theory & Practical)	17th – 22nd Oct. 2022

Display of MST-II Result 3rd, 5th & 7th Sem. on 02nd Nov. 2022

Submission of internal marks to University

Semester	MST-I	MST-II	Sessional Marks
3rd and 5th Sem.	19th – 23rd Sept.	25th – 29th Oct.	01st – 06th Dec. 2022
7th Sem.	28th Aug.-3rd Sep.	23rd - 29th Oct.	14th – 21st Nov. 2022

Class Test/Quizzes to be conducted before each MST

Event (Extra Curriculum & Sports activities)

Apratim Pragya-2022 (Inter School Tournament)	26th – 30th Sept., 2022*
Institute level (Inter Branch)	21st – 26th Nov., 2022*

End of Teaching

3rd & 5th Sem. 30th Nov. 2022 and 7th Sem. 16th Nov. 2022

University Exam	Practical Examination	Theory Examination
3rd & 5th Sem.	19th - 24th Dec., 2022*	07th – 17th Dec., 2022
7th Sem.	15th - 24th Dec., 2022*	22nd Nov. – 14th Dec., 2022

Online submission of Examination form to university

3rd & 5th Sem. 13th Nov. 2022 and 7th Sem. till 13th Nov. 2022 *(Without late fee)**

***Dates are subjected to change as per University guidelines & schedule.**
Two Industry visit & Two Expert lectures for each department is mandatory.
Sports Activity: On all working Saturday & RGPV Sports Activities will be as per University Sports Calendar.

List of Holidays for the session (July to Dec. – 2022)

Id Ul Juha	10/07/2022	Dushahara	05/10/2022	Deepavali Vacation From 24th Oct. to 26th Oct. 2022
Moharrum	09/08/2022	Milad Un Nabi	08/10/2022	
Raksha Bandhan	11/08/2022	Valmiki Jayanti	09/10/2022	
Independence Day	15/08/2022	Gurunank Jayanti	08/11/2022	
Janmasthami	19/08/2022	Birsa Munda Jay.	15/11/2022	
Gandhi Jayanti	02/10/2022	X-Mas	25/12/2022	

Local holiday (Ganesh Chaturti on 31/08/2022) as per notified by District Administration

Dr. Keshav Patidar
Principal

Shri Arun S Bhatnagar
Director General

Institute Sample Academic Calendar for Odd Semester

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Indore Institute of Science & Technology INDORE

The Institute adheres to academic calendar provided by the University for Conduction of continuous internal evaluation system. The Institute academic calendar includes the dates of commencement and completion of syllabus, schedules of internal exams etc.

Internal Complaints Committee

Indore Institute of Science & Technology

IIST/July-22/02 *Academic Year 2022-23* Date: 14.07.2022

Internal Complaints Committee
(Anti-Sexual harassment)

The Internal Complaints Committee (Anti-Sexual Harassment) committee has been constituted at Indore Institute of Science and Technology. The Internal Complaints Committee for prevention of sexual harassment of women at workplace, as per AICTE Regulations, 2016 to deal with the sexual harassment complaints of women at workplace. The following are the members of The Internal Complaints Committee (Anti-Sexual Harassment) committee:

Sr. No.	Name	Designation	Contact No.	Email ID
1.	Dr. Samatha Singh (HOD-Chemical Engg.)	Presiding Officer	9165359797	samatha.singh@indoreinstitute.com
2.	Dr. Parimeeta Chanchani (Asso. Prof.-ESH)	Member	9981161212	parimeeta.chanchani@indoreinstitute.com
3.	Dr. Namrata Kaushal (HOD-)	Member	9826075667	namrata.kaushal@indoreinstitute.com
4.	Mr. Rajesh Bhandari (Finance Manager)	Member	9009502734	rb@indoreinstitute.com
5.	Ms. Kriti Vishwakarma (DB)	Member	9329663499	kv@indoreinstitute.com
6.	Mr. Gajendra Dubey (Registrar)	Member	9165360604	gd@indoreinstitute.com
7.	Ms. Kirti Chaubey (Girls Hostel Warden)	Member	9454814820	kirti.chaubey@indoreinstitute.com
8.	Ms. Tanisha Chawda (Student)	Member	7389059735	tanisha.chawdaec2019@indoreinstitute.com
9.	Ms. Aditi Narware (Student)	Member	6261721498	narwareaditi88@gmail.com
10.	Mr. Anurag Mishra (Student)	Member	7891758828	anurag.mishracs2019@indoreinstitute.com
11.	Ms. Rewa Mishra (NGO-R.E.S.W.S.)	Member	7000613309	rewamisra3011@gmail.com

(Dr. Keshav Patidar)
Principal,
IIST, Indore

C.C.to:-
1. All Students,
2. All faculty and staff,
3. Dean/HOD,
4. HR Dept.
5. Registrar Office,
6. DG Office,
7. Office Record.

Opp. IIM(Indore), Rau-Pithampur Road, Rau, Indore (MP) - 453331

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Students Grievance Redressal Committee

Indore Institute of Science & Technology

IIST/June-22/04 *Academic Year 2022-23* Date: 21.06.2022

Students' Grievance Redressal Cell

The Students' Grievance Redressal Cell has been constituted at Indore Institute of Science and Technology. The Students' Grievance Redressal Cell as per AICTE F.No.:1-101/PGRC/AICTE/Regulation/2019/9530-9537 (Clause No. 37-3/Legal/2012 of the AICTE) to ensure transparency and prevent unfair practices and to provide a mechanism to innocent students for redressal of their grievances: The following are the members of the Students' Grievance Redressal Cell:

Sr. No.	Name	Designation	Contact No.	Email ID
1.	Dr. Keshav Patidar (Principal)	Chairman	9926530687	grievances@indoreinstitute.com
2.	Dr. Rajkumar Jain (Dean-CSE,IT & AI&ML)	Co-Chairman	9770397535	rajkumar.jain@indoreinstitute.com
3.	Dr. Dheerendra V. Singh (HOD-ME)	Secretary	9827215156	dheerendrav.singh@indoreinstitute.com
4.	Dr. Vivek Mishra (Asso. Prof.-ME)	Member	96924 64847	vivek.mishra@indoreinstitute.com
5.	Dr. Samatha Singh (HOD-CM)	Member	9165359797	samatha.singh@indoreinstitute.com
6.	Dr. Niraj Soni (HOD-CE)	Member	9977025413	niraj.soni@indoreinstitute.com
7.	Mr. Gajendra Dubey (Registrar)	Member	9165360604	gd@indoreinstitute.com
8.	Mr. Rajesh Tiwari (Counselor)	Member	9926439911	tiwari@indoreinstitute.com
9.	Ms. Tanisha Chawada (Student)	Member	7389059735	tanishachawada369@gmail.com

(Dr. Keshav Patidar)
Principal,
IIST, Indore

C.C.to:-
1. All Students,
2. All faculty and staff,
3. Dean/HOD,
4. Registrar Office,
5. DG Office,
6. Office Record.

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Institute Industry Committee

Indore Institute of Science & Technology

IIST/July-22/01 | *Academic Year 2022-23* | Date: 04.07.2022

Institute-Industry Cell

This is to inform all of you that the Institute has constituted **Institute-Industry Cell** for the academic year **2022-23** as mentioned below:

Sr. No.	Name	Designation	Contact No.	Email ID
1.	Dr. Harish Bapat	Director (Academics and Placements)	9752522330	harish.bapat@indoreinstitute.com
2.	Mr. Abhay Sahasrabuddhe	CAO-2	7471130010	abhay.sahasrabuddhe@indoreinstitute.com
3.	Mr. Biplab Dey	Joint Director Corporate Relation	8878339258	biplab.dey@indoreinstitute.com
4.	Mr. Devendra Singh Mandloi	Assistant Professor, ECE	8770935398 9893801949	devendra.mandloi@indoreinstitute.com
5.	Mr. Anshul Pandey	Assistant Professor, Civil	7415500483	anshul.pandey@indoreinstitute.com
6.	Mr. Rakesh Verma	Assistant Professor, CSE	8824275922	rakesh.verma@indoreinstitute.com
7.	Ms. Farhin Khan	Assistant Professor, Chemical	9907955884	farhin.khan@indoreinstitute.com
8.	Mr. Aksahdeep Gupta	Assistant professor, ME	9098595222	akashdeep.gupta@indoreinstitute.com

(Dr. Keshav Patidar)
Principal,
IIST, Indore

C.C.to:-

1. All Students
2. All faculty and staff
3. Dean/HOD
4. TPO Office.
5. HR/Admin Dept.
6. Registrar Office
7. DG Office
8. Office Record

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Indore Institute of Science & Technology

IIST/June-22/05 *Academic Year 2022-23* Date: 21.06.2022

Committee for SC/ST

This to inform all of you that as per AICTE, New Delhi the Institute has constituted **Committee for SC/ST** for the **academic year 2022-23** as mentioned below:

Sr. No.	Name	Designation	Contact No.	Email ID
1.	Dr. Keshav Patidar	Chairman	9926530687	keshav.patidar@indoreinstitute.com
2.	Dr. Dheerendra V. Singh	Member	9827215156	dheerendrav.singh@indoreinstitute.com
3.	Dr. Dheeraj Rane	Member	9826077900	dheeraj.rane@indoreinstitute.com
4.	Mr. Pankaj Malviya	Member	9826674572	pankaj.malviya@indoreinstitute.com
5.	Mr. Gajendar Dubey	Member	9165360604	gd@indoreinstitute.com
6.	Mr. Manish Nimoriya	Member	9522444456	manish.nimoriya@indoreinstitute.com
7.	Mr. Anil Verma	Member	9826081720	anil.verma@indoreinstitute.com
8.	Ms. Uma Kadam	Member	8889574131	uma.kadam@indoreinstitute.com
9.	One Member from DTE (As nominated by the DTE, Bhopal)			
10.	One Member from University (As nominated by the RGPV, Bhopal)			

(Dr. Keshav Patidar)
Principal,
IIST, Indore

C.C.to:-

1. All Students,
2. All faculty and staff,
3. Dean/HOD,
4. HR/Admin Dept.,
5. Registrar Office,
6. DG Office,
7. Office Record

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Anti Ragging Committee

Indore Institute of Science & Technology

IIST/June-23/01 *Academic Year 2023-24* Date: 09/06/2023

Anti-Ragging Committee

As per the notification of AICTE, New Delhi dated 01/07/2009, subject: Prevention and prohibition of Ragging in technical Institutes, the Institute has constituted **Anti-Ragging Committee** for the **academic year 2023-24** as mentioned below:

Anti-Ragging Committee				
Sr. No.	**Name**	**Designation**	**Email-ID**	**Mobile No.**
1.	Dr. Keshav Patidar Principal	Head of Committee	keshav.patidar@indoreinstitute.com	9926530687
2.	Mr. Puneet S. Duggal (Vice Principal-1 & CAO-1)	Committee Member	puneet.duggal@indoreinstitute.com	9893186681
3.	Dr. Richa Gupta (Vice Principal-2 & HOD-AIML)	Committee Member	richa.gupta@indoreinstitute.com	9755647074
4.	Dr. Niraj Soni (HOD-CE)	Committee Member	niraj.soni@indoreinstitute.com	9977025413
5.	Dr. Namrata Kaushal (Dean & Course Director-1 First Year)	Committee Member	namrata.kaushal@indoreinstitute.com	9826075667
6.	Dr. Dheerendra Vikram Singh (Course Director-2 First Year & HOD-ME)	Committee Member	dheerendrav.singh@indoreinstitute.com	9827215156
7.	Mr. Ankit Jain (HOD-ECE)	Committee Member	ankit.jain@indoreinstitute.com	9827596927
8.	Dr. Sathish Penchala (HOD-CSE)	Committee Member	sathish.penchala@indoreinstitute.com	9561263763
9.	Dr. Margi Patel (HOD-IT)	Committee Member	margi.patel@indoreinstitute.com	9713362915
10.	Mr. Rahul Gupta (HOD-CM)	Committee Member	rahul.gupta@indoreinstitute.com	9179195588
11.	Mr. Abhay Sahasrabhuddhe (CAO-2)	Committee Member	abhay.sahasrabuddhe@indoreinstitute.com	7471130010
12.	Mr. Gajendra Dubey (Registrar)	Committee Member	gd@indoreinstitute.com	9165360604
13.	Mr. Nishant Bansal (Admin Officer)	Committee Member	nishant.bansal@indoreinstitute.com	9826471177
14.	Dr. Sukhdev Bamboriya (Dear-Physical Education)	Committee Member	sukhdev.bamboriya@indoreinstitute.com	8959363653
15.	Mr. Rohit Dwivedi (Warden-Boys Hostel)	Committee Member	rohit.dwivedi@indoreinstitute.com	7974596699
16.	Ms. Kirti Chaubey (Warden-Girls Hostel)	Committee Member	kirti.chaubey@indoreinstitute.com	9454814820

Note: Parents/Senior Students/Fresher Students/Civil and Police Administration and Media representatives will be nominated in the beginning of the session.

(Dr. Keshav Patidar)
Principal, IIST, Indore

CC to:
1. All Students, 2. All Faculty and Staff, 3. Dean/HoDs, 4. Registrar Office, 5. Admin Dept.,
6. All Notice Boards, 7. DG Office, 8. Office record.

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Women Grievance Redressal Committee

Indore Institute of Science & Technology

IIST/June-23/03 | *Academic Year 2023-24* | Date: 09/06/2023

The Women's' Grievance Redressal Cell

The Women's Grievance Redressal Cell for settling issues apart from sexual harassment at workplace: The following are the members of the Women's Grievance Redressal Cell:

Sr. No.	Name	Designation	Email ID	Contact No.
1.	Dr. Namrata Kaushal	Chairman	namrata.kaushal@indoreinstitute.com	9826075667
2.	Dr. Parimeeta Chanchani	Co-Chairman	parimeeta.chanchani@indoreinstitute.com	9981161212
3.	Dr. Richa Gupta	Member	richa.gupta@indoreinstitute.com	9755647074
4.	Dr. Margi Patel	Member	margi.patel@indoreinstitute.com	9713362915
5.	Dr. Neena Thacker	Member	neena.thacker@indoreinstitute.com	9826914202

The Cell is required to work in the direction of providing help to any female complaining of discrimination, either gender discrimination or otherwise, any kind of abuse, loneliness, peer pressure, groupism, home sickness, insecurity and/or inferiority complex in terms of physical appearance, hostel issues, harassment from room-mates, adjusting and adopting to the new environment, etc.

(Dr. Keshav Patidar)
Principal, IIST, Indore

CC to:
1. All Faculty and Staff,
2. Dean/HoDs,
3. Registrar Office,
4. Admin Dept.,
5. DG Office,
6. Office record.

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Step III – Study of University Syllabus and raise the requirement for updation and also collect subject choice from faculties.

(13)

Indore Institute of Science & Technology, Indore
Department of Electronics & Communication Engineering
SUBJECT ALLOTMENT OPTION FORM
Academic Year: 2022-23 (Even Semester)

Faculty Name	Pranav Paranjpe	Experience :	16 Years
Qualification	PhD (Pursuing), M.E.	Specialization:	Comm. Engg.
Area of Interest	Communication, Antenna, Microwave.		

Note: 1) Put the number against your choice as your Priority
2) Select at least 2 subjects per semester. (Mandatory)

For Electronics & Communication Engineering					
VIII Semester			VI Semester		
1	**EC 801** Optical Fibre Communication			**EC601** Digital Signal Processing	
3	**EC 802** Departmental Elective	**802(A)** AI & Signal Processing	4	**EC602** Antenna & Wave propagation	
		802 (B) Wireless Communication	2	**EC603** Departmental Elective	**603 (A)** Data Communication
		802 (C) 5G Technology			**603 (B)** CMOS Design
5	**EC 803** Open Elective	**803(A)** Wireless Network			**603(C)** Satellite Communication
		803(B) Digital Image Processing		**EC604** Open Elective	**604(A)** Microcontroller & Embedded system
		803(C) Speech Processing			**604(B)** Bio-medical Electronics
	EC-804 Advanced Communication Lab				**604(C)** Power Electronics
	EC-805 Major Project-II			**EC-605** Data Communication Lab	
			6	**EC608** Minor Project II	
IV Semester (IT)			IV Semester		
	IT404 Analog & Digital Communication			**ES401** Energy & Environmental Engineering	
IV Semester(CS)				**EC402** Signals & Systems	
	CS404 Computer Org. & Architecture			**EC403** Analog Communication	
II Semester (B.Tech)				**EC404** Control System	
	BT 104 Basic Electrical and Electronics Engineering			**EC405** Analog Circuits	
				EC-406 Simulation Lab	

Signature: 28/12/2022 **Date:** 28/12/2022

Subject Allotted:

Sr.No	Subject Name	Subject Type	Class	Branch	Load/Week
1	Data Communication	TH+PR	V III rd	ECE	04+04
2	Analog circuit	TH+PR	II nd	ECE	04+04
3	Major Project	PR	IV	ECE	04

Faculty Signature: 28/12/2022 **HOD Signature**

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DEPARTMENT OF ELEX. & COMM. ENGG. IIST

Sample Subject Choice Form Filled by ECE Faculty

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INDORE INSTITUTE OF SCIENCE & TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING
SUBJECT ALLOTMENT OPTION FORM
Academic Year: 2022-23

Faculty Name	Poonam Bagoria	Experience	
Qualification	M.E.	Specialization	WRE
Area of Interest	WRE, ENV		
Subject taught last sem	FM-I	SURVEYING	
Subject taught last sem	FM-II	~~WRE~~	EE6
Subject taught last sem			

Note: 1) Write numbers according to your priority and select at least 2 subjects per semester.

	VIII Semester		VI Semester
	CE801 - Design of Steel Structures		CE601 - Structural Design and Drawing (RCC-I)
	CE802B - Departmental Elective: Foundation Engineering		CE602 - Environmental Engineering I
1	CE803A - Open Elective: Artificial Intelligence	1	CE603 - Departmental Elective: Water resources engineering
	CE804 - Earthquake Resistant Structures Lab	2	CE604 - Open Elective: Fluid Mechanics II /EIA
	CE805 - Major Project-II	3	CE605 - Advance surveying lab
			CE606 - Non Destructive Testing Lab
			CE608 - Minor Project II
	IV Semester		**II Semester**
1	CE401 - Energy & Environmental Engineering		BT201 - Basic Civil Engineering & Mechanics
	CE402 - Construction Technology		
	CE403 - Structural Analysis-I		
2	CE404 - Transportation Engineering I		
	CE405 - Engineering Geology & Remote Sensing		
	CE406 - Software Lab		

Signature: Date: 02/01/202

Subject Allotted:

Sr.No	Subject Name	Subject Type	Class	Branch	Load/Week
1	EEE/EE601	Th	3D		
2	FM-II	Th+Pr	5H		
3					

Faculty Signature: HOD Signature

Sample Subject Choice Form Filled by CE Faculty

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INDORE INSTITUTE OF SCIENCE & TECHNOLOGY, INDORE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
SUBJECT ALLOTMENT OPTION FORM
Academic Year:

Faculty Name Shweta Sharma
Qualification ME
Area of Interest AI - ML
Experience : 15+
Specialization: CSE
Subject taught in July to Dec DS
Subject taught in July to Dec DS
Subject taught in July to Dec Python

Note: 1) Write numbers according to your priority and select at least 2 subjects per semester.

VIII Semester(As per Old Syllabus & Scheme)			**IV Semester**	
1	CS-801	IOT	CS-402	Analysis Design of Algorithm
2	CS-802 DE	BlockChain/ CC/ High Performance Computing/ OOSE	CS-403	Software Engineering
3	CS-803 OE	Image Processing/ Game Theory/ IOT/ MIE	CS-404	Comp. Organization & Architecture (2)
4	CS-804	D/ O/ E Lab	CS-405	Operating Systems
	CS-805	Major Project-II	CS-406	Programming Practices
			CS-408	Cyber Security (MOOC)
VI Semester D/ O/ E Lab			**II Semester** Operating Systems	
1	CS-601	Machine Learning (1)	BT-2005	Basic Computer Engineering
2	CS-602	Computer Networks		
3	CS-603 DE	ACA/ CG&V/Compiler Design	**Other Department**	
4	CS-604 OE	Knowledge Management / Project Management / Rural Tech & Community Development	CM-406	Computer Programming-II
5	CS-605	Data Analytics Lab (2)	ME-606	RDBMS
6	CS-606	Skill Development Lab		
7	CS-608	Minor Project II		
M.E. CS II Semester Data Lab			**M.E. CS IV Semester**	
1				
2				
3				

Signature:

Date: 14/02/22

Subject Allotted:

Sr.No	Subject Name	Subject Type	Class	Branch	Load/Week
1	CS601(ML)	T+P	VI	CS	
2	CS605(DAL)	P	VI	CS	
3	CS404(COA)	T	IV	CS	

Faculty Signature:

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING IIST

HOD Signature

Sample Subject Choice Form Filled by CSE Faculty

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Departments Minutes of Meeting (Sample MoM from CSE Department)

AY 22-23
Jan- Jun '23

CIRCULAR

All the faculties of Department of computer Science and Technology Engineering are informed to attend the departmental meeting on date .. in meeting Room.

Agenda.

1. Semester academic planning done.
2. Discussion on semester subject choice filling.
3. Preparation of Load chart.
4. Preparation on contents of course file and lesson plan.
5. Discussion on SIG.
6. Result analysis. discussion
7. Semester wise activity planning
8. Motivation for making research profile.
9. Discussion on KRA.
10. Regular follow up for students on short attendance.

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Faculty Name	Signature
Dr. Satish Kumar Penchala	
Mr. Titu Singh Arora	
Mr. Lokesh Jain	
Ms. Pooja Shukla.	
Mr. Piyush Vyas	
Mr. Deepak Vishwakarma	
Mr. Pradeep Baniya	
Ms. Megha Birthare	
Mr. Adesh Vyas	
Mr. Maneesh K. Jain	
Dr. Rajkumar Jain	
Dr. Shweta Kumari	
Mr. Pankaj Wadhwani	
Mr. Himanshu Ramchandani	
Mr. Vijay Joshi	
Dr. Dheeraj Rane	
Mr. Amit Jaiel	
Ms. Neha Talreja	
Mr. Tritesh Sakhecha	
Mrs. Praveena Joshi	
Mr. Jitendra Kushte	
Mrs. Deepali Panwar	
Mrs. Lalita Bangarwa	
Mr. Vivek Gupta	
Ms. Shruti Sharma	
Mr. Ankush Sakhecha	
Mr. Sanjay Gupta	
Ms. Sweta Solanki	
Mr. Rudresh Shah	
Mr. Gaurav Sharma	

Departmental meeting initiated with the notice of HOD

1. HOD discussed on last semester activities related performance.

2. Discussion on faculty KRA was also done.

3. HOD ask to prepare academic Calendar and activity calendar.

4. Timetable coordinators were asked to prepare Load chart in which choice filling from faculties need to be asked.
Also calculate actual load of each faculty.
Also load for subject from other department need to be ask.

5. After allocation of load for semester need to prepare lesson plan and file up in to department file.

6. Also put all documents like previous question papers, Tutorials, MST question papers, Timetable and scheme in departmental file.

7. HOD also discussed on attendance updation and asked coordinator and syndicate to post regular attendance and notice etc.

parents and student official whatsapp group.

5. All coordinators were asked to put proposal on IIST convocation for 2nd, 5th and 7th semester.

9. The discussion on several activities, like workshop, expert lecture for students for the betterment in study was done.

10. All faculties were asked to work in their research area as well as motivate their undergraduate students to work in research field and publish their papers in conference.

12. All faculties were asked to maintain class discipline and reach in their class before 5 mnt as on time and not to allow students in class if he/she comes late and not give attendance.

DEPARTMENT COMPUTER SCIENCE ENGG. IIST

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Departments Minutes of Meeting (Sample MoM from CE Department)

CIRCULAR

All the departmental faculties are hereby informed to attend the departmental meeting on 13/06/2022 at H.O.D. Sir's Cabin.
The agenda of the meeting are as follows:

1. Upcoming Semester planning.
2. Discussion on feedback summary of the academic session Jan-June 2022.
3. Conduction of Technical Events.
4. Laboratory maintenance and Stock register maintenance.
5. Regularity of the Students in the class.
6. Subject preference and allotment.
7. Reasearch and Academics.
8. Subject lecture plan and course file preparation.
9. Innovation and Entrepreneurship.
10. Any other.

Dr. Niraj Soni
Ashanya Joshi
Prodeep Kumar Dubey
Poonam Bagora
Shailendra Singh
Shashank Agrawal
Manish K. Nimiwal
Anchal Pandey
Mahaveer Dargi
Shanu Sharma
Nitesh Pareek
Neeraj Rajput

MINUTES OF MEETING

OPENING : A meeting of the Civil Engineering Department duly called and held in H.O.D. sir's cabin on 13/06/2022.

1. The coordinators are assigned to II year, III year and IV year.

II year	–	Ms. Shanu Sharma
III year	–	Mrs. Poonam Bagora
IV year	–	Mr. Anshul pandey

2. Head asked to plan skill up session for final year students to mr. Anshul pandey and Ms. Shanu sharma.

3. Head asked to finalize the time table and provide PDP/ Sports/ Library / Aptitute class slots in the time table as soon as possible.

4. Head asked to plan SIG content and dates as soon as possible.

5. All the faculty have to be submit lecture plan and course file of previous semester to the Co-ordinator.

6. Head asked about the subject preference and allot the subject as per the preference given by the each faculty.

7. Head asked about the research publication.

DEPARTMENT CIVIL ENGG. IIST

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8. Students regularity in the class will be monitored by the class coordinators and if any student absent for consecutive three days without any intimation the coordinator has to intimate to the H.O.D. and Student's parents.

9. Head asked to plan Technical visit as per curriculum to Mrs. Poonam Bagora.

10. Head discussed some important points, like interaction with students in english and hindi both, etc, as per the feedback received from the student previously and present action taken report.

11. Head asked to lab staff about the maintenance of lab equipments and stock registers.

12. Head asked to conduct remedial classes if needed later on.

13. Head told Mr. Ishanya Joshi to look after the activity under association of department.

14. Head told Mr. Ishanya Joshi to look for any updation in website, flex etc.

15. Head asked to submit the result analysis of the previous semester to the coordinators.

16. Head strictly emphasis on the sessional marks of the students specially final year students.

17. Head emphasised on the entrepreneurship and innovation encouragement to the students and faculties.

18. Head institute Mr. Ishanya Joshi to work for NABL implementation to the department.

DEPARTMENT OF CIVIL ENGG. IIST

Dr. Niraj Vimi	
Ishanya Joshi	Ishanya
Prashant Kumar Dubey	
Poonam Bagora	
Shashank Agrawal	Agrawal
Shailendra Singh	Shailendra
manish k nimoriya	
Anshul Pandey	
Mahaveer Dhangi	MDhangi
Shanu Sharma	shanu.
Nitesh Pareek	Nitesh
Neeraj Rajput	Rajput

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Step IV - Formulation of department Activity Calendar for the semester align with Academic Calendar.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

January

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

February

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

March

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

April

Su	Mo	Tu	We	Th	Fr	Sa
30						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

May

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

June

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Activity Calendar: January, 2023 – June, 2023

Industrial Tour & Visit

- RRCAT visit On National Science Day for Ist Year Students **Feb 2023**

Expert Lecture / Seminar

- Expert Lecture on machine learning **March 23**
- Expert Lecture on Artificial Intelligent drone **Apr 23**

SIG's / Internship / Training / Certification/Workshop Activities

- Training cum certificate course on SQL for data science for IVth year students **Jan 23**
- Internship cum training on The Project development on IoT for Placements for IVth year students **Jan 23**
- Internship cum training on Robotics for IIIrd & IInd year students **Jan 23**
- Internship cum training on Logical and design Thinking for Ist year students **Jan 23**
- Workshop on PCB Design for IIIrd year students **Jan 23**
- Internship on Real Time Embedded system & IoT for IIIrd year students **Jan 23**
- Workshop on Drone Design for agriculture applications for Engineering students **Jan 23**
- Certification Course on AI Based Product Development for IIIrd year students **Feb 23**

Other Activity / FDP/STTP

- Participation in IIT / NIT Tech-fest if offline possible than only **Jan to June 23**
- FDP from eYantra on Introduction of Robotics **Feb 2023**

Robotics Club

- eYantra workshop in association with IIT for ECE Students **Feb 2023**

Drone Club

- Participation in Drone Competition organized by IIT's/ NIT's , between **February to april, 2023**
- National workshop on Welcome Drone Design for Engineering students **Feb 2023**

Project

- Major Project-Submission of abstract **January 2023**
- 1st Presentation of Project **February 2023**
- 2nd Presentation of Project **March 2023**
- Final Presentation of Project **April 2023**

(HoD) (Principal)

Principal
Indore Institute of Science and Technology, Indore

Sample ECE Activity Calendar for Even Semester

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Indore Institute of Science & Technology
Activity Calendar of 2022-23 (Session: July – Dec. 2022)

July

Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

August

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

September

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

October

Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

November

Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
270	28	29	30			

December

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Events (Tentative)

Commencement of Classes

2nd Year - 3rd Sem. & 3rd Year - 5th Sem	1st August 2022
4th Year - 7th Sem	4th July 2022

Last Date of Semester Registration

2nd Year - 3rd Sem. & 3rd Year - 5th Sem	8st August 2022
4th Year - 7th Sem	11th July 2022

Attendance

Display of I[st] short attendance list & intimation to Parents
After 30 days from the Commencement of Classes
Display of 2nd short attendance list intimation to Parents
After 60 days from the Commencement of Classes

Internal Assessment

Centralized MST -1

3rd & 5th Sem.	13th – 17th Sep.2022
7th Sem.	22th – 27th Aug. 2022

Display of MST-1 Result 3rd & 5th Sem. On 22nd Sep. 22 & 7th Sem. On 2nd Sep. 2022.

Centralized MST - 2

3rd & 5th Sem.	18 – 22 Oct. 2022
7th Sem.	17 – 22 Oct. 2022

Display of MST-1 Result 3rd, 5th & 7th Sem. On 2nd Nov. 2022.

SIG Details

4th Year - 7th Sem.	Data Analytics	December 2022
3th Year - 5th Sem.	Solid Works	Aug – Sept 2022
2th Year - 3th Sem.	Creo	Nov 2022

Industrial Visit

2nd Year - 3rd Sem.	Indore Dugdh Sangh, Mangaliya, Indore	3rd Nov 2022
3rd Year - 5th Sem.	Indore Dugdh Sangh, Mangaliya, Indore	3rd Nov 2022
4th Year - 7th Sem.	LiuGong India Pvt. Ltd, Indore	12th Nov 2022

End of Teaching

3rd & 5th Sem.	30th Nov.2022
7th Sem.	16th Nov.2022

University Exam	Practical Examination	Theory Examination
3rd & 5th Sem.	19th - 24th Dec., 2022*	07th – 17th Dec., 2022
7th Sem.	15th - 24th Dec., 2022*	22nd Nov. – 14th Dec., 2022

List of Holidays for the session (July to Dec. – 2022)

Id U Juha	10/07/2022	Dushahara	05/10/2022	Deepavali Vacation From 24th Oct. to 26th Oct. 2022
Moharrum	09/08/2022	Milad Un Nabi	08/10/2022	
Raksha Bandhan	11/08/2022	Valmiki Jayanti	09/10/2022	
Independence Day	15/08/2022	Gurunank Jayanti	08/11/2022	*Local holiday (Ganesh Chaturti on 31/08/2022) as per notified by District Administration*
Janmasthami	19/08/2022	Birsa Munda Jay.	15/11/2022	
Gandhi Jayanti	02/10/2022	X-Mas	25/12/2022	

Dr. U.V.Singh
HOD ME

Dr. Keshav Patidar
Principal

Sample ME Activity Calendar for Odd Semester

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Indore Institute of Science and Technology

Activity Calendar of Civil Engineering Deparment 2022-23 (Session: Jan. - June 2023)

January

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

February

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

March

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

April

Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

May

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

June

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Activities (Tentative)

Commencement of Classes

2nd Year - 4th Sem. 13th Feb., 2023*
3rd Year - 6th Sem. 02nd Jan., 2023*
4th Year - 8th Sem. 02nd Jan., 2023*

Last date for Semester Registration

2nd Year - 4th Sem. 20th Feb., 2023*
3rd Year - 6th Sem. 09nd Jan., 2023*
4th Year - 8th Sem. 09nd Jan., 2023*

Attendance

Display of 1st short attendance list intimation to Parents
After 30 days from the Commencement of Classes
Display of 2nd short attendance list intimation to Parents
After 60 days from the Commencement of Classes

Internal Assessment

Centralized MST-I
4th Sem. (Theory & Practical) 1st – 6th Mar. 2023*
6th & 8th Sem. (Theory & Practical) 13th – 17th Feb. 2023*

Display of MST-I
11th March 2023
24th February 2023

Centralized MST-II
4th Sem. (Theory & Practical) 03rd – 08th Apr. 2023*
6th & 8th Sem. (Theory & Practical) 20th – 24th Mar. 2023*
Class Test Quizzes to be conducted before each MST

Display of MST-II
11th April 2023
31st March 2023

Submission of Mid Semester & Sessional Marks to University
4th Sem. - 08th - 12th May 2023* 6th & 8th Sem. - 20th - 26th April2023*

Submission of Practical marks to University - On the date of Practical Exam

Event

End of Teachings
2nd Sem-6th July, 4th Sem. - 05th May and 6th & 8th sem. - 20th April 2023*

University Exam	Theory Examination	Practical Examination
2nd Sem.	11th - 21st July 2023*	22nd -28th July 2023*
4thSem.	13th-25th May 2023*	26th-31st May 2023*
6th & 8th Sem.	27th April- 20th May 2023*	21st - 31st May 2023*

SIG'S

VIII SEM
- Internship on " Scratch to Execution Phase- 1: Architectural Drawing and Structural Design of Health Centre"
- Internship on " Scratch to Execution Phase- 2: Structural Design & Budgeting of Health Centre"

VI SEM
- Internship on " Sustainable Development through Indirect Contouring"

IV SEM
- Internship on " Sustainable Development of Rain Water Harvesting"

TECHNICAL VISIT

Technical Visit at Waste Water Treatment Plant Kabitkhedi — March 2023

FDP- : "FDP on Recent Advancement in Civil Engineering" / "FDP on Professional Ethics"

Dr. Niraj Soni
HOD CIVIL

Sample CE Activity Calendar for Even Semester

IQAC

INDORE INSTITUTE OF SCIENCE & TECHNOLOGY

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Various Type of Coordinator at Department level –Sample from ECE Department

INDORE INSTITUTE OF SCIENCE AND TECHNOGY INDORE			
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING			
Coordinator for the session 2022-2023			
Sr.No	Faculty Name	Coordinator	Signature
1	Dr. Keshav Patidar	Principal	
2	Mr. Ankit Kumar Jain	NAAC Coordinator, ARIIA and NIRF Coordinator	
3	Mr. Devendra Singh Mandloi	Class Coordinator EC III Year, Industrail Training and Tour Coordinator	
4	Mr Shravan Namdeo	Class Coordinator EC IV Year ,Examination Coordinator & Project Coordinator IV Year	
5	Dr. Mukesh Patidar	NPTEL & MOOC Coordinator, R&D Coordinator	
6	Mr. Abhishek Bhatnagar	Aptitude Coordinator	
7	Mr. Amit Kumar	Minor Project Coordinator	
8	Mr. Rupesh Dutta	Sports Coordinator	
9	Ms. Arpita Tiwari	Activity Coordinator	
10	Mr. Shashank Khare	Admission Coordinator	
11	Mr. Ankit Mule	Project Coordinator	
12	Mr. Raju Singh Dabar	Internship Coordinator	
13	Mr. Pranav Puranjpe	Drone Club Coordinator, ISTE Coordinator	
14	Mr. Prabhat Pandey	EC II Year Class Coordinator, Robotics Club Coordinator, TEQIP Coordinator	
15	Mr. Ashutosh Kashiv	Virtual Lab, Library Coordinator and First Year Coordinator	
16	Mr. Nitin Kumar	Skill Rack and Minor Project Coordinator	
17	Mr. Ravi Yadav	Skill Rack and Minor Project Coordinator	
18	Mr. Navneet Palrecha	PG Coordinator	
19	Dr. Amit Kumar	Project Coordinator	
20	Mr. Aditya Shastri	Internship Coordinator	

Signature of HOD

Signature of Prinicipal

INDORE INSTITUTE OF SCIENCE & TECHNOLOGY

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Various Type of Coordinator at Department level –Sample from CSE Department

INDORE INSTITUTE OF SCIENCE & TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Faculty Load Distribution [Jan-June 2023]

S.No	Faculty Name	Semester	Section	Subject	TH	PR	TOT TH	TOT PR	Other SIG/Etc.	G. Tot
1	Dr. Sathish Kumar Penchala	VI	CS-2	Machine Learning	3	4	7	4	Head of (CSE), Member of Anti-Ragging & Disciplinary Committee	11
		M Tech II	CSE	Soft Computing	4	0				
2	Dr. Dheeraj Rane	VIII	CS-2	IoT	3	8	3	8	R & D Coordinator	11
		VIII	CS-2	Major Project	0	4				
3	Dr. Rajkumar Jain	M Tech II	CSE	ITC	4	0	4	4	Dean CSE, IT and AIML	8
		M Tech II	CSE	MCSE 206 LAB	0	4				
4	Mr. Pradeep Baniya	VI	CS-3	Compiler Design	4	0	4	8	Project Coordinator,Departmenta l Library Coordinator	12
		IV	CS-3	Software Engg.	0	4				
		VIII	CS-1	Major Project-II	0	4				
5	Mr. Rakesh Jain	VI	CS-1	Compiler Design	4	0	8	4	Departmental Counsellor, IoT Lab, AR-VR Lab, Social Media / FB	12
		VI	CS-2	Compiler Design	4	0				
		VI	ME	RDBMS	0	4				
6	Mr. Ankush Saklecha	IV	CS-1	Operating System	3	0	11	0	SIG Coordinator	11
		VI	SIG	DSA	5	0				
		IV	CS-2	Operating System	3	0				
7	Ms. Poorva Shukla	IV	CS-2	Computer Organization & Arch.	4	4	8	4	Departmental Counsellor, Course era, Coursefile	12
		IV	CS-1	Computer Organization & Arch.	4					
8	Ms. Amit Goud	IV	CS-1	Programming Practice	0	4	0	12	MST Coordinator (2nd year CS)	12
		IV	CS-2	Programming Practice	0	4				
		IV	IT	ADA	0	4				
9	Ms. Megha Birthare	IV	CS-1	Software Engg.	3	4	6	4	Departmental SIG(S) Coordinator, EOI Coordinator	10
		VI	CS-1	Project management	3	0				
10	Mr. Pritesh Saklecha	IV	CS-1,2,3	Analysis & Design of Algorithm	4	4	8	4	Palcement Coordinator (CS), Departmental Time table Coordinator	12
		IV	AIML,IT	Analysis & Design of Algorithm	4	0				
11	Mr. Pankaj Wadhwani	VI	SIG	Advanced Java	4	0	8	4	SIG Coordinator	12
		VI	SIG	Java	4	0				
		IV	CS-3	Analysis & Design of Algorithm	0	4				
12	Mr Vivek gupta	VI	CS-1	Skill Development Lab	0	4	3	8	EOI Coordinator (CS1, CS2), Fee Coordinator (First year - CS1, CS2)	11
		VI	CS-3	Machine Learning	3	4				
13	Mr Jitendra Kulaste	IV	CS-1	Operating System	0	4	0	12	Project Coordinator (Minor Coordinator-CS3), Fee Coordinator (Third year - CS1, CS2)	12
		IV	CS-2	Operating System	0	4				
		VI	CS-2	Data Analytics Lab	0	4				
14	Ms.Praveena Joshi	IV	CS-2	Software Engg.	3	4	6	4	MST Coordinator (3rd Year CS.), Activity Coordinator (CS)	10
		VI	CS-3	Project management	3	0				
15	Mr. Titu Singh Arora	II	BCE	Computer Programming	3	4	3	4	semester practical exam coordinator (CS,IT &AIML)	7
16	Ms. Lalita Bargadiya	VI	CS-2	Skill Development Lab	0	4	4	8	EOI Coordinator	12
		IV	CS-3	Computer Organization & Arch.	4	4				
17	Mr. Himanshu Ramchandani	IV	CS-1	ADA Lab	0	4	0	10	SIG Report Coordinator CS	10
		IV	CS-3	Programming Practices	0	4				
		IV	CS-3	Operating System	0	2				
18	Mr Piyush Vyas	Study Leave								
19	Ms.Shruti Sharma	VI	CS-1	Machine Learning	3	4	3	8	Major Project Coordinator , Departmental Time table Coordinator (CS)	11
		IV	CS-1	Computer Organization & Arch.	0	4				
20	Mr.Sanket Gupta(SG)	VI	CS-1	Computer Network	3	4	6	8	ERP Coordinator	14
		IV	CS-3	Operating System	3	2				
		VI	CS-3	Skill Development Lab	0	2				
21	Mr.Vijay Joshi(VJ)	VI	CS-1	Data Analytics Lab	0	4	0	8	Counsellor	8
		VI	CS-3	Data Analytics Lab	0	4				
22	Mr Gaurav Sharma(GS)	VI	CS-2	Computer Network	3	4	3	4	Fee Coordinator	7
23	Dr. Shweta Kumari(SK)	VI	CS-2	Project Management	3	0	3	0	R & D Coordinator	3
24	Mr Manish K jain	VI	CS-3	Computer Network	3	4	3	6	Event Report Coordination,	9
25	Ms. Neha Talreja	VIII	CS-1	Major Project	0	8	0	12	Counsellor	12
		VIII	CS-2	Major Project	0	4				
26	Mr. Deepak Vishwakarma	VI	CS-3	Skill Development Lab	0	2	3	10	ERP Coordinator, MST Coordinator (4th Year CS)	13
		VIII	CS-1	IoT	3	4				
		VIII	CS-1	Major Project	0	4				
27	Mr. Sachin Solanki	VIII	CS-1	OOSE	4	8	4	8	Counsellor	12
28	Ms. Deepali Singh Panwar	VIII	CS-1	MIE	4	0	8	4	EOI and Major Project Coordinator	12
		VIII	CS-2	MIE	4	0				
		VIII	CS-1	OOSE Lab	0	4				
29	Mr. Rudresh Shah	VIII	CS-2	OOSE	4	8	4	8	Counsellor	12
30	Mr. Aadesh Vyas	VIII	CS-2	Major Project	0	6	0	10	Counsellor	10
		VIII	CS-2	OOSE	0	4				

Sample from CSE Department

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Various Type of Coordinator at Department level –Sample from ME Department

INDORE INSTITUTE OF SCIENCE & TECHNOLOGY, INDORE
DEPARTMENT OF MECHANICAL ENGINEERING
JAN - JUNE 2023

S.No.	RESPONSIBILITY	FACULTY NAME
1	Academic Coordinator	Dr. D. V. Singh
2	Time Table Coordinator	Mr. Lokesh Aurangabadkar
3	Dept Exam Coordinator	Mr. Dimpesh Silarpuriya
4	Project Coordinator IV Year	Mr. Amit Chauhan
5	Project Coordinator III Year	Dr. Vivek Mishra
6	Internship/Training Coordinator	Mr. Sunil Soni/Mr. Naman Gandhi
7	NAAC Coordinator	Mr. Lokesh Aurangabadkar/ Mr. Vipin Patel
8	Placement Coordinator	Mr. Naman Gandhi/ Mr. Suveer Dubey
9	IV Year ME A Coordinator	Dr. Vivek Mishra
10	IV Year ME B Coordinator	Ms. Durga Patel
11	III Year Coordinator	Mr. Vipin Patel
12	II Year Coordinator	Mr. Navdeep Jain
13	IV Year ME A Syndicate Incharge	Dr. Vivek Mishra(BI) Mr. Naman Gandhi(BII)
14	IV Year ME B Syndicate Incharge	Ms. Durga Patel(BI)/Mr. Amit Chauhan(BII)
15	III Year Syndicate Incharge	Mr. Vipin Patel
16	II Year Syndicate Incharge	Mr. Navdeep Jain
17	Counseling Coordinator	Mr. Akashdeep Gupta/ Mr. Yogesh Pawar
18	Digital Platform Coordinator	Mr. Suveer Dubey
19	Industrial Visit Coordinator	Mr. Shantanu Roy/ Mr. Ashish Soni
20	E Cart/Baja Coordinator	Mr. Akashdeep Gupta
21	RAC SIG Coordinator	Mr. Ashish Soni
22	Automotive SIG Coordinator	Mr. Akshay Thakur
23	Simulation SIG Coordinator	Mr. Yogesh Pawar
24	Data Engg SIG Coordinator	Dr. D. V. Singh
25	Mechatronics SIG Coordinator	Mr. Dimpesh Silarpuriya
26	Aeromodeling Club Coordinator	Mr. Amit Chauhan
27	Workshop Coordinator	Mr. Shantanu Roy/ Mr. Sunil Soni

DEPARTMENT MECHANICAL ENGG.

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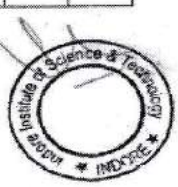
Step V- Competency/ experience-based allotment of subjects to various faculty members of the dept – Prepare Load Chart, Time Table and allocation of Syndicate Incharge.

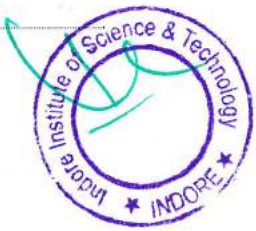
Sample Load Chart from ECE

INDORE INSTITUTE OF SCIENCE & TECHNOLOGY
ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY LOAD DISTRIBUTION - SESSION JAN-JUNE 2023

Sr.No	Faculty Name	Subjects allotted	Sem	Section	Teaching load		Academic Total		
					Theory	Practical	TH	PR.	TL
1	Dr. Keshav Patidar	BEEE	II	B-1	4	-	4	4	8
		Minor Project	VI	EC	-	4			
2	Mr. Ankit Kumar Jain	Programming Tool	IV	EC	4	-	8	8	16
		Control System	IV	EC	4	4			
		Major Project	VIII	EC	-	4			
3	Mr. Devendra Singh Mandloi	Analog Communication	IV	EC	4	4	9	10	19
		Advance Communication	VIII	EC	-	4			
		Measurement and Control	IV	ME	2	-			
		Minor Project	VI	EC	-	2			
		Wireless Network	VIII	EC	5	-			
4	Mr Shravan Namdeo	Digital Signal Processing	VI	EC	4	4	8	12	20
		MATLAB / SCILAB	IV	EC	4	-			
		Major Project	VIII	EC	-	8			
5	Dr. Amit Kumar	Antenna & Wave Propagat	VI	EC	4	4	12	8	20
		Programming Tool	IV	EC	4	-			
		Minor Project	VI	EC	-	4			
6	Dr. Mukesh Patidar	Microcontroller & Embedd	VI	EC	4	4	8	12	20
		Major Project	VIII	EC	-	4			
		Analog Circuits	IV	EC	4	4			
7	Mr. Pranav Paranjpe	Data Communication	VI	EC	4	4	8	12	20
		Optical Communication	VIII	EC	4	2			
		Major Project	VIII	EC	-	2			
		BEEE Lab	II	B-1	-	4			
8	Mr. Prabhat Pandey	Embedded System	VI	EC	4	-	12	8	20
		Programming Tool	VI	EC	4	-			
		Major Project	VIII	EC	-	4			
		Programming Tool	IV	EC	4	-			
		Simulation Lab	IV	EC	-	4			
9	Ms. Arpita Tiwari	BEEE	II	B-3	4	4	4	12	16
		Major Project	VIII	EC	-	8			
10	Mr. Aditya Shastri	5G Technology	VIII	EC	4	-	4	8	12
		Minor Project	VI	EC	-	4			
		Internship	VI & VIII	EC	-	4			
11	Mr. Ashutosh Kashiv	BEEE	II	B-2	4	4	10	8	18
		Measurement & Control	IV	ME	2	-			
12	Mr. Nitin Kumar	Signal and System	IV	EC	4	4	8	12	20
		Minor Project	VI	EC	-	4			
		Analog and Digital Comm	VI	EC	4	4			
13	Mr. Ravi Yadav	Internship	IV	EC	-	4	0	12	12
		Internship	VI & VIII	EC	-	4			
		Minor Project	VI	EC	-	4			
14	Mr. Ankit Mule	Internship	IV	EC	-	4	0	16	16
		Internship	VI & VIII	EC	-	4			
		Major Project	VIII	EC	-	8			
15	Mr. Raju Singh Dabar	Internship	VI & VIII	EC	-	4	0	16	16
		Minor Project	VI	EC	-	4			
		Major Project	VIII	EC	-	8			





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Sample Load Chart from IT

INDORE INSTITUTE OF SCIENCE & TECHNOLOGY
DEPARTMENT OF INFORMATION TECHNOLOGY
Faculty Load Distribution [Jan-June 2023]

S.No	Faculty Name	Semester	Section	Subject	TH	PR	TOT TH	TOT PR	Other SIG/Etc.	G. Tot
1	Dr. Margi Patel	IV	IT	DBMS	3	4	7	4	Head of IT, Departmental NAAC Coordinator, CISCO Chapter, Departmental alumni	11
		M.Tech II	CSE	Web Tech. & Ecom.	4	0				
2	Mr. Puneet Singh Duggal	VI	IT	CGMM	3	4	6	4	IQAC Member	10
		IV	IT	Computer Architecture	3	0				
3	Ms. Rati gupta	VI	IT	Python	0	4	0	12	Departmental Time table Coordinator (IT & AIML), Fee Coordinator (IT)	12
		VIII	IT	Information Security	0	4				
		VIII	IT	Machine Learning Lab	0	4				
4	Ms. Sheetal Chouhan	VIII	IT	Information Security	3	0	3	8	Counsellor	11
		VIII	IT	Major Project	0	4				
		VI	IT	Andoid Programming	0	4				
5	Ms. Alpana Meena	VIII	IT	Major Project	0	4	0	8	Project Coordinator (Minor Coordinator-IT), Fee Coordinator (Second Year)	8
		VIII	IT	Machine Learning Lab	0	4				
6	Mr. Aditya Nagdiya	VI	IT	Software Engineering	3	0	6	8	Project Coordinator (Minor Coordinator-CS1, CS2), Fee Coordinator (Second Year - CS2, IT)	14
		VI	IT	WMC	3	4				
		VIII	IT	Major Project	0	4				
7	Mr.Saurabh Dave	VIII	IT	Machine Learning	4	0	7	4	EOI Coordinator, SIG Coordinator	11
		VIII	IT	Parrallel Computing	3	0				
		VIII	IT	Machine Learning Lab	0	4				
8	Ms. Rupal Yadav	VIII	IT	Major Project-II	0	4	0	12	Students Grievience Coordinator, Fee Coordinator (Third year and Final year - IT)	12
		IV	IT	WD	0	4				
		IV	IT	Linux	0	4				

Sample Load Chart from CE

Indore Institute of Science & Technology, Indore
Department of Civil Engineering
Faculty Load Distribution - Session Jan-June, 2023

S. No.	Faculty Name	Subject Allotted	Subject Code	Sem	Teaching load L	T	P	Projects/ Other	Academic Total (hrs)	Add. responsibility
1	Mr. Niraj Soni	BC & EM	BT-204	II	3	1	4	0	8	HOD & Project Incharge
2	Mr Prashant Kumar Dubey	WRE	CE-603	VI	4	0	0	0	12	IV Coordinator & Syndicate Incharge for 23 Students (S No. 1-23)
		CT	CE-402	IV	2	1	2	0		
		NDT LAB	CE-606	VI	0	0	3	0		
3	Mr. Shashank Agrawal	BC & EM	BT-204	II	3	1	4	0	14	Ist Yr (38 Students) & III Year Syndicate Incharge for 15
		SA-I	CE-403	IV	3	1	2	0		
4	Mr Ishanya Joshi	BC & EM	BT-204	II	3	1	4	0	16	Syndicate of 1st year students & NAAC Coordinator
		BC & EM	BT-204	II	3	1	4	0		
5	Mr. Anshul Pandey	EG & RS	CE-405	IV	3	0	2	0	13	Syndicate Incharge for 23 students (S No. 24-47), Time Table Incharge, Exam Control [illegible]
		RCC-I	CE-601	VI	2	1	2	0		
		NDT LAB	CE-606	VI	0	0	3	0		
6	Ms. Shanu Sharma	EE-I	CE-602	VI	2	1	2	0	6	Syndicate Incharge (1-15), Alumni Coordinator
		FE	CE-802	VIII	3	1	0	0		
7	Ms. Poonam Bagora	EEE	CE-401	IV	3	1	0	0	8	III Year Coordinator & III Year Syndicate Incharge for 15 students(S No 1-15), NPTEL [illegible]
		FM-II	CE-604	VI	4	0	0	0		
8	Mr. Mahaveer Dangi	TE-I	CE-404	IV	3	1	2	0	12	II year Coordinator & II Year Syndicate Incharge 15 Students
		DSS	CE-801	VIII	2	1	2	0		
9	Manish Kumar Nimotiya	SOFTWARE LAB	CE-406	IV	0	0	4	0	10	
		EQRS LAB	CE-804	VIII	0	0	6	0		
10	Mr. Neetesh Pareek	MINOR PROJECT-II	CE-608	VI	0	0	0	5	8	
		MAJOR PROJECT-II	CE-805	VIII	0	0	0	3		
11	Mr. Neeraj Rajput	MAJOR PROJECT-II	CE-805	VIII	0	0	0	8	8	
12	Shailendra singh	ASL	CE-605	VI	0	0	6	0	7	
		MINOR PROJECT-II	CE-608	VI	0	0	0	1		

Timetable I/C

Dr. Keshav Patidar
PRINCIPAL

INDORE INSTITUTE OF SCIENCE & TECHNOLOGY

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Sample Timetable from CSE

INDORE INSTITUTE OF SCIENCE & TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
TIME TABLE
SESSION: Jan - June 2023

CLASS ROOM NO. 27 | **Class - CS-2 II Year** | **Class Cordinator-Ms. Poorva Shukla** | **STRENGTH OF CLASS : 77** | **EFFECTIVE FROM : 20-02-2023**

TIME / DAY	09.10 AM - 10.10 AM	10.10 AM - 11.00 AM	11.00 AM - 11.50 AM	11.50 AM - 12.40 PM	12.40 PM- 01.10 PM	1.10 PM - 2.00 PM	2.00 PM - 02.50 PM	2.50 PM - 03.40 PM
MONDAY	L M-3 DJ	L SE PJ	L ADA SIG PSK	SIG	LUNCH	L OS AS/JK	LAB-3 AI/ML LAB-1 OS (B1)/ PP(B2) JK AG	
TUESDAY	IT LAB-1 COA(B2)/PP (B1) PS AG	LAB-1	L ADA SIG PSK	SIG		L SE PJ	L M-3 DJ	L COA PS
WEDNESDAY	L COA PS	PDP SB	L ADA SIG PSK	SIG		L OS AS/JK	LAB-4 IT LAB-1 ADA (B1)/ SE(B2) PSK PJ	
THURSDAY	AI/ML LAB 2 ADA(B2)/COA (B1) PSK PS	Lab-2	L ADA SIG PSK	SIG		L COA PS	LAB-5 OS(B2)/SE (B1) JK PJ	Lab-6
FRIDAY	L M-3 DJ	APT AB	L M-3 DJ	SIG		L OS AS/JK	L SE PJ	L COA PS

S. NO.	Sub. Code	Subject	Faculty	Name	Designation	Sign
1	BT-401	M-3	DJ	Mr. Dhananjay Joshi	Timetable I/C	
2	CS-402	SIG ADA	PSK	Mr. Pritesh Saklecha		
3	CS-403	SE	PJ	Ms.Prasvena Joshi	H.O.D	
4	CS-404	COA	PS	Ms. Poorva Shukla		
5	CS-405	OS	AS/JK	Mr. Ankush Saklecha/ Mr. Jitendra Kulasthe		
6	CS-406	PP	AG	Mr. Amit Goud		
7	CDC	APTT	AB	Mr. Abhishek Bhatnagar	PRINCIPAL	
8	CDC	PDP	SB	Ms. Shweta Bahrani		
9	SIG	SIG	PW	Mr. Pankaj Wadhwani		

Sample Timetable from IT

INDORE INSTITUTE OF SCIENCE & TECHNOLOGY
DEPARTMENT OF INFORMATION TECHNOLOGY
TIME TABLE
SESSION: Jan - June 2023

CLASS ROOM NO. 29 | **Class - IT II Year** | **Class Cordinator - Ms.Lalita Bargadiya** | **STRENGTH OF CLASS : 68** | **EFFECTIVE FROM : 20-02-2023**

TIME / DAY	09.10 AM -10.10 AM	10.10 AM -11.00 AM	11.00 AM -11.50 AM	11.50 AM -12.40 PM	12.40 PM- 01.10 PM	1.10 PM - 2.00 PM	2.00 PM - 02.50 PM	2.50 PM - 03.40 PM
MONDAY	LAB-6 WD &MATLAB (B1)/DBMS (B2) RY/X DMP	IT LAB-1	L ADA SIG PSK	SIG	LUNCH	L ADC NT	EC Lab ADC (B1)/LINUX(B2) NT RY	LAB-5
TUESDAY	L ADC NT	L DBMS DMP	L ADA SIG PSK	SIG		IT LAB-1 IT LAB-2 DBMS (B1)/ADA (B2) DMP AG		L PDP JS
WEDNESDAY	T CA PSD	T CA PSD	L ADA SIG PSK	SIG		EC Lab ADC (B2)/LINUX(B1) NT RY	LAB-5	T M-3 GY
THURSDAY	L ADC NT	T DBMS DMP	L ADA SIG PSK	SIG		L DBMS DMP	T M-3 GY	T M-3 GY
FRIDAY	LAB-3 WD &MATLAB (B2)/ADA (B1) RY/X AG	IT LAB-2 T	CA PSD	SIG		L ADC NT	L M-3 GY	L APTT AB

S. NO.	Sub. Code	Subject	Faculty	Name	Designation	Sign
1	BT-401	M- III	GY	Mr. Gopal Yadav	Timetable I/C	
2	IT-402	CA	PSD	Mr. Puneet Singh Duggal		
3	IT-403	SIG ADA	PSK/AG	Mr. Pritesh Saklecha/Mr. Amit Goud	H.O.D	
4	IT-404	ADC	NT	Mr.Nitin Chauhan		
5	IT-405	DBMS	DMP	Dr.Margi Patel		
6	IT-406	WD/MATLAB	LB/X	Ms. Rupal Yadav		
7	IT-407	Linux & R	RY	Ms. Rupal Yadav	PRINCIPAL	
8	CDC	PDP	JS	Ms.Jaya Singh		
9	CDC	APTT	AB	Mr. Abhishek Bhatnagar		
10	SIG	SIG	PW	Mr. Pankaj Wadhwani		

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Sample Timetable from ME

INDORE INSTITUTE OF SCIENCE & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
TIME TABLE:ACADAMIC YEAR :2022-2023 (THIRD SEMESTER)

Class - II YEAR — CLASS COORDINATOR- MR. NAVDEEP JAIN — EFFECTIVE FROM : 31/10/2022

DAY/TIME	9.10-10.00 I	10.00-10.50 II	10.50-11.40 III	11.40-12.30 IV	12.30-1.00	1.00-1.50 V	1.50-2.45 VI	2.45-3.40 VII
MONDAY	L SOM AS	L THERMO SD	L M-III GY	L MP VM	LUNCH	L MT NJ	P MT LAB(B1)/TEGD LAB(B2) NJ/SD	
TUESDAY	L THERMO SD	L MP VM	L MT NJ	L M-III GY		L SOM AS	P MT LAB(B2)/TEGD LAB(B1) NJ/SD	
WEDNESDAY	L SOM AS	L THERMO SD	L MT NJ	LIBRARY		L MP VM	P SOM LAB(B2)/MP LAB	
THURSDAY	APTITUDE	L SOM AS	L MT NJ	PDP		L MP VM	P SOM LAB(B1)/MP LAB	
FRIDAY	L SOM AS	L M-III GY	L MT NJ	L MP VM		L THERMO SD	EVALUATION OF INTERNSHIP I	L M-

Sub. Code	Subject	Name
BT 301	MATHEMATICS III	MR. GOPAL YADAV
ME 302	THERMODYNAMICS	MR.SUVEER DUBEY
ME 303	MATERIAL TECHNOLOGY	MR. NAVDEEP JAIN
ME 304	STRENGTH OF MATERIALS	MR.ASHISH SONI
ME 305	MANUFACTURING PROCESS	DR. VIVEK MISHRA
ME 306	TEGD LAB	MR. SUVEER DUBEY
ME 107	EVALUATION OF INTERNSHIP I	MR. NAVDEEP JAIN

TIME TABLE I/C — HOD — PRINCIPAL

Sample Timetable from ECE

INDORE INSTITUTE OF SCIENCE & TECHNOLOGY
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
TIME-TABLE: ACADAMIC YEAR: 2022-2023 (Even semester)

CLASS ROOM NO. — Class - IV th Year — Class Cordinator - Mr. Shravan Kumar Namdeo — STRENGTH OF CLASS : 30 — EFFECTIVE FROM : 17/01/2023

TIME / DAY	9:10 -10:10	10:10-11:00	11:00-11:50	11:50-12:40	12:40-1:10	1:10-2:00	2:00-2:50	2:50-3:40
MONDAY	L 5G T AS	L WN DSM	MP-II SN/AJ		LUNCH	L OC PP	OC-B-1/ACS-B-2	
TUESDAY	L OC PP	L WN DSM	PROGRAMMING TOOL / INTERNSHIP			L 5G T AS	OC-B-2/ACS-B-1	
WEDNESDAY	L OC PP	L 5G T AS	L WN DSM	SKILL RACK		LIBRARY	P MP-II AJ/SN	
THURSDAY	L WN DSM	L 5G T AS	ACS LAB-B-1 & B-2			L OC PP	P MP-II SN	
FRIDAY	L 5G T AS	L WN DSM	MP-II SN			L OC PP	PROGRAMMING TOOL / INTERNSHIP	

Sub. Code	Subject	Faculty Name	Designation	Sign
EC-801	Optical Fibre Communication	Mr. Pranav Paranjape [PP]	Time table I/C	
EC-802 [C]	Departmental Electives- 5G Technology	Mr. Aditya Shastri [AS]		
EC-803 [A]	Open Electives - Wireless Network	Mr. Devendra Singh Mandloi [DSM]	HOD,ECE	
EC-804	Advanced Communication Engg. Lab	Mr. Devendra Singh Mandloi [DSM]		
EC-805	Major Project - II	Mr. Shravan Kumar Namdeo [SN]	Principal	
	Programming Tool (PT)/ Virtual Lab (VL)	Mr. Prabhat Pandey (PrP)/Mr. Aditya Shastri/Mr. Ravi Yadav/Mr. Raju Singh		

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Sample Syndicate Incharge list from EC

INDORE INSTITUTE OF SCIENCE & TECHNOLOGY
ELECTRONICS AND COMMUNICATION ENGINEERING

SYNDICATE LIST (BATCH 2021-25)

S.No	Enrollment . Number	Name of student	Name of Syndicate Incharge
1	0818EC211001	AAYUSH OSARIYA	Mr. Prabhat Pandey
2	0818EC211002	ABHAY TIWARI	
3	0818EC211003	ABHIJEET CHOUHAN	
4	0818EC211004	ADARSH SHARMA	
5	0818EC211005	ADITYA SHARMA	
6	0818EC211006	AJAY SHARMA	
7	0818EC211007	AMISHA SISODIYA	
8	0818EC211008	ANJANA SAHU	
9	0818EC211009	ANKIT MALVIYA	
10	0818EC211010	ANKUSH YADAV	
11	0818EC211011	ANSHUL PATEL	
12	0818EC211012	ANUJ DAYMA	
13	0818EC211013	ANUJ PANCHAL	
14	0818EC211014	ANUSHKA KURIL	
15	0818EC211015	ASHIMA KURIL	
16	0818EC211016	ASHISH VISHVAKARMA	
17	0818EC211017	ASHUTOSH KUMAR	
18	0818EC211018	AYUSH JADHAV	
19	0818EC211019	AYUSH RAGHUWANSHI	
20	0818EC211020	BHUMI CHOUHAN	
21	0818EC211021	DIGAMBER BARFA	
22	0818EC211022	DURGESH SUPARE	
23	0818EC211023	DURGESH TRIPATHI	
24	0818EC211024	HARI PRASAD MALVIYA	
25	0818EC211025	HARSH MALVIYA	
26	0818EC211026	HIMANSHI DODEJA	
27	0818EC211027	HOMESH BHARDWAJ	
28	0818EC211028	JAYDEEP SINGH JADON	
29	0818EC211029	KAPIL DETHLIYA	
30	0818EC211030	KARINA SISODIYA	
31	0818EC211031	KARTIK KANDHARI	
32	0818EC211032	KIRTI PATIDAR	
33	0818EC211033	KOMAL MEGHWAL	
34	0818EC211034	KRISHNA KUSHWAH	
35	0818EC211035	MAHIMA PAL	
36	0818EC211036	MANISHA	Mr. Nitin Chauhan
37	0818EC211037	MANSI LASHKARI	
38	0818EC211038	MANSI TAMHANKAR	
39	0818EC211039	MAYUR JADHAW	
40	0818EC211040	NAINA AHIRE	

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41	0818EC211041	NISHITA SHINDHVE	
42	0818EC211042	NISHITA VERMA	
43	0818EC211043	PAWAN KUMAR	
44	0818EC211045	PRIYANSHU JHA	
45	0818EC211046	RAJVEER SINGH RAJPUT	
46	0818EC211047	RAKSHA KALE	
47	0818EC211048	ROHIT SAWNER	
48	0818EC211049	RONIT CHOUDHARY	
49	0818EC211050	ROUNAK GADWAL	
50	0818EC211051	SACHIN JAISWAL	
51	0818EC211052	SANJANA SEN	
52	0818EC211053	SANJEEVANI SINGH	
53	0818EC211054	SATISH PATIDAR	Mr. Amit Sirsodiya
54	0818EC211055	SHASHI YADAV	
55	0818EC211056	SHIVAM RAY	
56	0818EC211057	SHOBHIT PAWAR	
57	0818EC211058	SUMIT GUPTA	
58	0818EC211059	UDAY MALVIYA	
59	0818EC211060	UTKARSH DUBEY	
60	0818EC211061	VAIDIKA RATHORE	
61	0818EC211062	VIJAY SAHU	
62	0818EC211063	VINAY CHOUHAN	
63	0818EC211064	VISHAL SOLANKI	
64	0818EC211065	VIVEK LOWANSHI	
65	0818EC211066	YOGANSHI SHARMA	
66	0818EC211066	YOGANSHI SHARMA	
67	0818CE211034	VIJAY PAWAR	
68	0818CE211030	SHUBHAM SINGH	

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INDORE INSTITUTE OF SCIENCE & TECHNOLOGY
ELECTRONICS AND COMMUNICATION ENGINEERING

SYNDICATE LIST (BATCH 2020-24)

S.N	ROLL NO.	STUDENT NAME	SYNDIACTE INCHARGE
1	0818EC201001	AADITYA PAWAR	MR. DEVENDRA SINGH MANDLOI
2	0818EC201002	ASHUTOSH SHARMA	
3	0818EC201003	ABHAY NETAWAT	
4	0818EC201004	ABHISHEK PATIDAR	
5	0818EC201005	AKCSHAT YADAV	
6	0818EC201006	AMAN BHARDWAJ	
7	0818EC201007	AMAN KUMAR	
8	0818EC201008	AMIT SONI	
9	0818EC201009	AMIT TIWARI	
10	0818EC201011	ANAND VERMA	
11	0818EC201012	ANJALI PATIL	
12	0818EC201013	ANUPAM ALERIYA	
13	0818EC201014	ANURAG THAKUR	
14	0818EC201015	ASHISH RAGHUVANSHI	
15	0818EC201016	ATHARV VYAS	
16	0818EC201017	AYUSH MALVIYA	
17	0818EC201018	AYUSH SONI	
18	0818EC201019	DIPANSHU PATIDAR	DR. MUKESH PATIDAR
19	0818EC201020	DIPESH WAGHE	
20	0818EC201021	DIVYANSHU BHATI	
21	0818EC201022	GAUTAM DAHALE	
22	0818EC201023	GAUTAM SINGH PAWAR	
23	0818EC201024	GITESH AHIRWAR	
24	0818EC201025	GOUTAM SHIVDE	
25	0818EC201026	HRITHIK VERMA	
26	0818EC201028	JAY PANDEY	

27	0818EC201029	KHUSHBOO MALVIYA	
28	0818EC201030	KULDEEP SOLANKI	
29	0818EC201031	NAINA VERMA	
30	0818EC201032	NAMAN DESHMUKH	
31	0818EC201033	NANDANI SONI	
32	0818EC201034	NEERAJ PATIL	
33	0818EC201035	NIKITA TOMAR	
34	0818EC201036	NIKUNJ GIRI GOSWAMI	
35	0818EC201038	PRAKHAR SOLANKI	
36	0818EC201039	PRIYA SHARMA	
37	0818EC201040	RAHUL THAKUR	
38	0818EC201041	RASHIKA DIWEKAR	
39	0818EC201042	RITIKA DIWEKAR	
40	0818EC201044	SHABINA KHAN	
41	0818EC201045	SHARAD PRATAP SINGH BAIS	
42	0818EC201047	SIDDHARTH RATHORE	
43	0818EC201048	SIMRAN RAJPUT	
44	0818EC201049	SOMESH SHARMA	
45	0818EC201050	SURAJ BHADORIYA	
46	0818EC201051	TANISHA SINGHAI	
47	0818EC201052	TANMAY SONI	MR. PRANAV PARANJAPE
48	0818EC201053	VAIBHAV SONGARA	
49	0818EC201054	VAIDIK SONI	
50	0818EC201055	VEDANT BORIWAR	
51	0818EC201057	VISHAL KAUSHAL	
52	0818EC201058	YASH RAGHUWANSHI	
53	0818EC201059	YOGITA PATEL	
54	0818EC213D02	RUDRAKSH PATIL	
55	0818EC213D03	SACHIN KOCHALE	
56	0818EC213D04	SHREYA KUMARI	
57	0818EC213D05	SATISH RENUKA SONTAKE	
58	0818EC213D06	SONU SURYAVANSHI	

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ELECTRONICS AND COMMUNICATION ENGINEERING

SYNDICATE LIST (BATCH 2019-23)

S.NO	ROLL NO.	NAME OF STUDENT	NAME OF SYNDICATE INCHARGE
1	0818CM191004	AMAN RATHORE	MR. SHRAVAN KUMAR NAMDEO
2	0818EC191001	AAYUSH SHARMA	
3	0818EC191002	AAYUSHI GURJAR	
4	0818EC191003	ABHAY SINGH LODHI	
5	0818EC191004	ABHISHEK	
6	0818EC191005	ABHISHEK PATIDAR	
7	0818EC191006	ABHISHEK SHARMA	
8	0818EC191007	ADITYA MEDATWAL	
9	0818EC191008	AKSHAY TIWARI	
10	0818EC191010	ANJALI SHARMA	
11	0818EC191011	ANUJ PRATAP SINGH BHADORI	
12	0818EC191012	ANUJKARMA	
13	0818EC191013	ARPIT KUMAR SARATHE	
14	0818EC191014	BHARAT	
15	0818EC191015	CHETAN	
16	0818EC191016	DEEPAK SURYAWANSHI	
17	0818EC191018	GOURAV PATIDAR	
18	0818EC191020	HIMANSHU SAJANKAR	
19	0818EC191021	JAIDEV YADAV	
20	0818EC191022	JAYA CHANDRAVANSHI	
21	0818EC191023	LIPIKA DEBNATH	
22	0818EC191024	NURENDRA MALVI	
23	0818EC191025	PRANSHU SINGH	
24	0818EC191026	RAHUL ALATRE	
25	0818EC191027	ROHIT KUMAR	
26	0818EC191028	ROSHANI SEN	
27	0818EC191029	SANDESH KALE	
28	0818EC191030	TANISHA CHAWADA	
29	0818EC191031	TEJASVI MATHANKAR	
30	0818EC203D01	ALKA YADAV	

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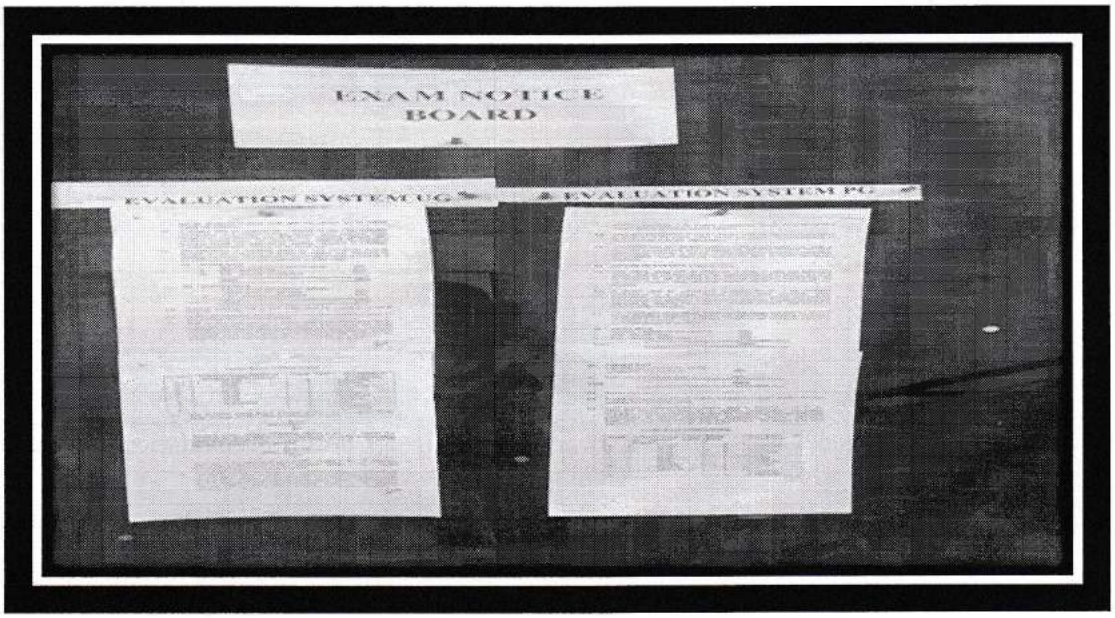
Step VII - Display Evaluation Scheme on Notice board.

Mention in Scheme provided by Affiliating University

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal
New Scheme of Examination as per AICTE Flexible Curricula
III Semester **Bachelor of Technology (B.Tech.) [Electronics & Communication Engineering]**
For batches admitted in July, 2020 (w.e.f. July, 2021)

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work Lab Work & Sessional		L	T	P	
1.	BT301	BSC-5	Mathematics-III	70	20	10	-	-	100	3	1	-	4
2.	EC302	DC-1	Electronic Measurement & Instrumentation	70	20	10	-	-	100	3	1	-	4
3.	EC303	DC-2	Digital System Design	70	20	10	30	20	150	3	-	2	4
4.	EC304	DC-3	Electronic Devices	70	20	10	30	20	150	3	-	2	4
5.	EC305	DC-4	Network Analysis	70	20	10	30	20	150	3	-	2	4
6.	EC306	DLC-3	EMI Lab	-	-	-	30	20	50	-	-	4	2
7.	BT107	DLC-1	Evaluation of Internship-I completed at I year level	-	-	-	-	50	50			4	2
8.	BT307	DLC-4	90 hrs Internship based on using various software's -Internship -II	To be completed anytime during Third/ fourth semester. Its evaluation/credit to be added in fifth semester.									
			Total	350	100	50	120	130	750	15	2	14	24
9.	BT308	MC	Indian Constitution	Non-credit course									
			NSS/NCC										

Display Evaluation System on Notice Board



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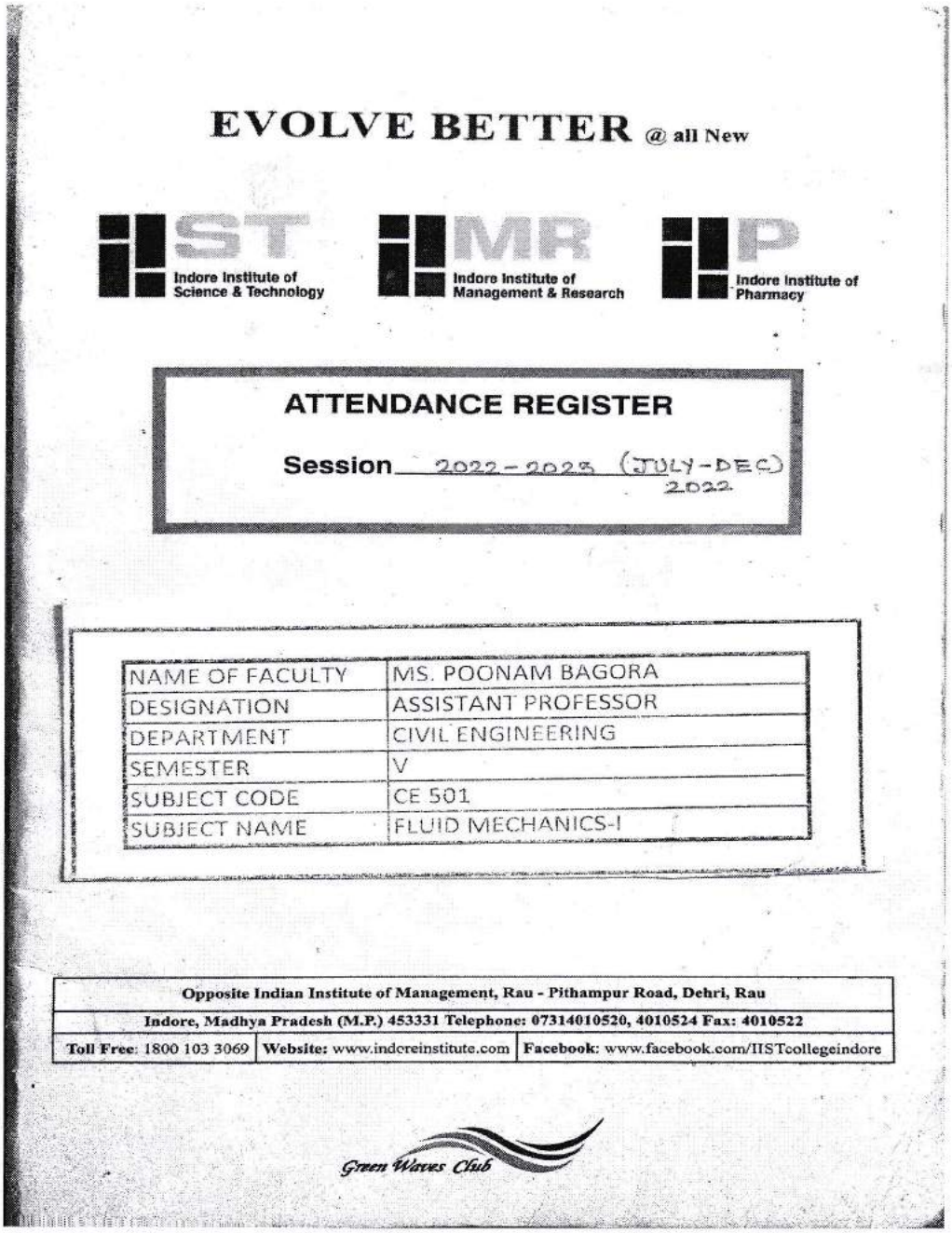
Step VIII- Regular conduct of lectures/ tutorials/ lab classes duly monitored by HOD/ Dean/ Director on regular basis and prepare Attendance register and dairy daily by all faculties.

Sample Attendance Register, Dairy Daily and Lesson Plan from CE



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ATTENDANCE REGISTER

Session 2022-2023 (JULY-DEC) 2022

NAME OF FACULTY	MS. POONAM BAGORA
DESIGNATION	ASSISTANT PROFESSOR
DEPARTMENT	CIVIL ENGINEERING
SEMESTER	V
SUBJECT CODE	CE 501
SUBJECT NAME	FLUID MECHANICS-I

Opposite Indian Institute of Management, Rau - Pithampur Road, Dehri, Rau
Indore, Madhya Pradesh (M.P.) 453331 Telephone: 07314010520, 4010524 Fax: 4010522
Toll Free: 1800 103 3069 | Website: www.indoreinstitute.com | Facebook: www.facebook.com/IISTcollegeindore

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INDORE INSTITUTE OF SCIENCE & TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING
TIME-TABLE: ACADEMIC YEAR: 2022 - 23 (ODD SEMESTER)

CLASS - OFFLINE
Class - CE- III Year

Class Coordinator
Ms. Poonam Bagora

STRENGTH OF CLASS : 30
EFFECTIVE FROM : / 08 / 2022

TIME/DAY	09:10 - 10:00	10:00 - 10:50	10:50 - 11:40	11:40 - 12:30	12:30 - 01:00	01:00 - 01:50	01:50 - 02:45	02:45 - 03:40
MONDAY	CE501 FM-I PB	CE501 FM-I PB	CE502 TE-II MD	CE504A UTP SSH	LUNCH	CE503C QSC PKD	CE506 MTL L AP	
TUESDAY	CE502 TE-II MD	APTITUDE	CE-505 QSC L SS			CE501 FM-I PB	PDP	CE-507 Internship/TEST MKN
WEDNESDAY	CE502 TE-II MD	CE504A UTP SSH	CE501 FM-I L PB			CE505C QSC PKD	APTITUDE	
THURSDAY	CE504A UTP SSH	CE503C QSC PKD	CE506 MTL L AP			CE-505 QSC L SS	SPORTS	
FRIDAY	CE-502 TE-II L MD		CE503C QSC PKD	LIBRARY		CE-507 Internship/TEST PB	CE-507 Internship/TEST PB	
SATURDAY								

Sub. Code	Subject		
CE-501	Fluid Mechanics I	R-7	Ms. Poonam Bagora
CE-502	Transportation Engineering-II	R-7	Mr. Mahaveer Dangi
CE-503	Quantative Surveying and Costing	R-7	Mr. Prashant Kumar dubey
CE504A	Urban Town and Planning	R-7	Ms. Shanu Sharma
CE-505	Quantative Surveying and Costing Lab	R-7	Mr. Shailendra singh
CE506	Material Testing Lab	R-7	Mr. Anshul Pandey
CE	Internship	R-7	Mr. Manish Kumar Nimoriya
CE	Aptitude	R-7	
	PDP	R-7	

Timetable I/C

BOD/CD

Principal

OBJECTIVES & OUTCOMES

INDORE INSTITUTE OF SCIENCE & TECHNOLOGY, INDORE
DEPARTMENT OF CIVIL ENGINEERING
V-Semester
CE501- Fluid Mechanics-I

COURSE OBJECTIVES:

1. To understand the basic concept of fluid mechanics and basic concept of properties of the fluid.
2. To understand the basic properties of the fluid statics, kinematics, and fluid Dynamics so as to analyze and appreciate the complexities involved in solving the fluid flow problems.
3. To give an introduction to the fundamentals of fluid flow and its behavior so as to equip the students to learn related subjects and their applications in the higher semesters.
4. To develop the skill for applying the fluid statics, kinematics and dynamics of fluid flow concepts for solving civil engineering problems.
5. To understand the dimensional analysis and basic concept of model study.

COURSE OUTCOMES:

1. Understand the basics of fluid flow and pressure in fluids at rest and also Analyze the condition of stability of a body in a fluid based on relative positions of its centre of buoyancy and Meta centre.
2. Analyze the behavior of fluid at rest and in motion with concepts of fluid statics, kinematics and dynamics.
3. Apply Bernoulli's equation to fluid flow problems involving venturimeter, orifice meter, pitot tube, orifices, mouthpieces, notches and weirs.
4. Analyze the flow through pipes and the major and minor energy losses.
5. Understand basic concepts of model study are also developed along with laws of similarity and similitude.

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COURSE TITLE	COURSE CODE	CREDITS PER WEEK		
		L	T	P

COURSE CONTENTS

RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL

New Scheme Based On AICTE Flexible Curricula

Civil Engineering, V-Semester

CE501- Fluid Mechanics-I

Unit-I

Review of Fluid Properties: Engineering units of measurement, mass, density, specific weight, specific volume, specific gravity, surface tension, capillarity, viscosity, bulk modulus of elasticity, pressure and vapor pressure. Fluid Static's : Pressure at a point, pressure variation in static fluid, Absolute and gauge pressure, manometers, Forces on plane and curved surfaces (Problems on gravity dams and Tainter gates); buoyant force, Stability of floating and submerged bodies, Relative equilibrium.

Unit-II

Kinematics of Flow : Types of flow-ideal & real , steady & unsteady, uniform & non uniform, one, two and three dimensional flow, path lines, strea klines, streamlines and stream tubes; continuity equation for one and three dimensional flow, rotational & irrotational flow, circulation, stagnation point, separation of flow, sources & sinks, velocity potential, stream function, flow nets- their utility & method of drawing flow nets.

Unit-III

Dynamics of Flow: Euler's equation of motion along a streamline and derivation of Bernoulli's equation, application of Bernoulli's equation, energy correction factor, linear momentum equation for steady flow; momentum correction factor. The moment of momentum equation, forces on fixed and moving vanes and other applications. Fluid Measurements: Velocity measurement (Pitot tube, Prandtl tube, current meters etc.); flow measurement (orifices, nozzles, mouth pieces, orifice meter, nozzle meter, venturimeter, weirs and notches).

Unit-IV

Laminar Flow: Introduction to laminar flow, Reynolds experiment & Reynolds number, relation between shear & pressure gradient, laminar flow through circular pipes, laminar flow between parallel plates, laminar flow through porous media, Stokes law.

Unit-V

Dimensional Analysis and use of Buckingham-pi theorem, Introduction to Turblent flow-Prandtl mixing length hypothesis, Flow over smooth & rough surface, Darcy –weisbach resistance equation , variation of friction factor & Moody's diagram , pipe flow problem.

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COURSE CONTENTS

Reference Books : -

1. Modi & Seth; Fluid Mechanics; Standard Book House, Delhi
2. Som and Biswas; Fluid Mechnics and machinery; TMH
3. Engg fluid mech. – By Grade & Miraj gaonkar , Nem Chand & Bros, Prakashan
4. White : Fluid Mechanics ; TMH
5. Essential of Engg Hyd. By JNIK DAKE; Afrikan Network & Sc Instt. (ANSTI)
6. A Text Book of fluid Mech. for Engg. Student by Franiss JRD
7. R Mohanty; Fluid Mechanics By; PHI
8. Fluid Mechanics; Gupta Pearson.

List of Experiment (Expandable):

1. To determine the local point pressure with the help of pitot tube.
2. To find out the terminal velocity of a spherical body in water.
3. Calibration of Venturimeter
4. Determination of Cc, Cv, Cd of Orifices
5. Calibration of Orifice Meter
6. Calibration of Nozzle meter and Mouth Piece
7. Reynolds experiment for demonstration of stream lines & turbulent flow
8. Determination of metacentric height
9. Determination of Friction Factor of a pipe
10. To study the characteristics of a centrifugal pump.
11. Verification of Impulse momentum principle

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LESSON PLAN / DAILY DAIRY (THEORY)

Lecture No.	Topics	Unit No	Proposed Date	Actual Date of Delivery	Pedagogical Tools	Reference Book	Remark
1.	Introduction of fluid mechanics	1	01/08/22	01/08	Black Board/ PPT	R.K. BANSAL	PPT
2.	Fluid Properties	1	01/08/22	08/08	—u—	—u—	
3.	Fluid Properties	1	02/08/22	08/08	—u—	—u—	
4.	Fluid Statics	1	08/08/22	16/08	—u—	—u—	
5.	Pressure measurement	1	08/08/22	16/08	—u—	—u—	
6.	Numerical	1	16/08/22	29/08	Black Board	—u—	
7.	Force on Plane or Curved Surface	1	22/08/22	29/08	—u—	—u—	
8.	Buoyancy force	1	22/08/22	30/08	—u—	—u—	Videos/Animation.
9.	kinematic of flow	2	23/08/22	05/09	PPT	R.K. RAJPUT	PPT
10.	Circulation, Stream line, Streak lines.	2	29/08/22	05/09	Black Board	—u—	PPT
11.	Continuity equation	2	29/08/22	06/09	—u—	—u—	
12.	Stagnation	2	30/08/22	07/09	—u—	—u—	
13	Velocity potential	2	05/09/22	19/09	—u—	—u—	
14.	Stream Function Numerical	2	05/09/22	19/09	—u—	—u—	
15.	Flow nets	2	06/09/22	20/9	—u—	—u—	
16.	Dynamics of flow	3	12/09/22	26/9	PPT	—u—	
17.	Bernoulli's equation	3	12/09/22	26/9	PPT	—u—	
18.	Application	3	13/09/22	30/9	Black Board	R.K. BANSAL	
19.	Linear momentum equation	3	19/09/22	30/9	—u—	—u—	
20.	Numerical	3	19/09/22	11/10	—u—	—u—	
21.	Velocity Measurement	3	20/09/22	17/10	—u—	—u—	

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LESSON PLAN / DAILY DAIRY (THEORY)

Lecture No.	Topics	Unit No	Proposed Date	Actual Date of Delivery	Pedagogical Tools	Reference Book	REMARKS
22.	Numerical	3	26/09/22	18/10	Black Board	PDF	PDF
23.	Flow measurement	3	26/09/22	31/10	—"—	—"—	
24.	Numerical	3	27/09/22	31/10	—"—	R.K. BANSAL	
25.	Laminar flow	4	10/10/22	01/11	PPT	—"—	
26.	Reynold's Experiment & Number	4	10/10/22	01/11	Black Board	—"—	Video & Animation
27.	Relation between Shear & Pressure	4	11/10/22	02/11	—"—	—"—	
28.	Laminar flow through Circular Pipes	4	17/10/22	07/11	—"—	—"—	
29.	Laminar flow through Parallel plates,	4	18/10/22	07/11	—"—	—"—	
30	Numerical	4	31/10/22	14/11	—"—	—"—	
31	Laminar flow through porous media	4	01/11/22	14/11	—"—	—"—	
32.	Stokes Law	4	07/11/22	17/11	—"—	—"—	
33	Dimensional Analysis	5	07/11/22	17/11	—"—	—"—	
34.	Buckingham - Pi Theorem	5	14/11/22	21/11	—"—	—"—	
35.	Problem	5	17/11/22	21/11	—"—	—"—	
36.	Introduction to turbulent flow	5	21/11/22	21/11	—"—	—"—	
37.	Rough & Smooth surface flow	5	21/11/22	28/11	—"—	—"—	
38.	Darcy - weisbatch formula	5	28/11/22	28/11	—"—	—"—	
39.	Moody's diagram	5	28/11/22	28/11	—"—	—"—	
40	Pipe flow method	5	28/11/22	28/11	—"—	—"—	

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LESSON PLAN / DAILY DAIRY (LAB)

Lab No.	Name of Experiment	Proposed Date	Actual Date of Delivery	Lerning Outcome	Remark
1.	Reynold's Experiment	03/08/22	03/08/22	classification of flow	using Virtual Lab / Videos / Animation for Better outcome
2.	Determination of Metacentric height.	10/08/22	07/09/22	Stability of floating matter	
3.	Pitot tube	17/08/22	21/09/22		
4.	Calibration of Venturimeter.	24/08/22	28/09/22		
5.	Determination of C_c, C_v, C_d of Orifices.	07/09/22	12/10/22		
6.	calibration of Orifice meter	14/09/22	19/10/22		
7.	calibration of Notch meter	21/09/22	02/11/22		
8.	Determination of friction factor of a pipe.	28/09/22	09/11/22		
9.	To Study characteristics of a Centrifugal pump.	12/10/22	28/11/22		

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ATTENDANCE

SESSION : V 2022-2023

SEMESTER : V

SUBJECT CODE / NAME : FLUID MECHANICS-I

S. No.	Enrollment No.	Student Name	Month	08	08	08	08	08	08	08	08	09	09	09	09
			Date	01	08	08	16	16	29	29	30	05	05	06	07
			Lecture No.	1	2	3	4	5	6	7	8	9	10	11	12
S No	Enrollment	Name													
1	0818CE201001	ABHISHEK CHOUHAN		A	A	A	A	P	A	A	P	A	A	P	P
2	0818CE201002	AKSHATRAJ SHAH		P	P	P	P	P	P	P	P	P	P	P	P
3	0818CE201003	ANKIT JANI		P	A	P	A	A	P	P	A	P	P	P	P
4	0818CE201005	ARYAN PAL		P	P	P	P	P	P	P	P	P	A	P	P
5	0818CE201006	ASHUTOSH PANERI		A	A	A	A	A	A	A	A	A	A	A	A
6	0818CE201007	CHAITANYA DAWAR		A	A	A	A	A	A	A	P	P	P	P	P
7	0818CE201008	CHETAN WAGHLE		P	P	P	P	P	A	A	P	P	P	P	P
8	0818CE201009	DHRUV DWIVEDI		P	A	A	A	A	P	P	P	P	P	A	A
9	0818CE201011	HIMANSHU SHUKLA		A	P	A	A	A	P	P	P	P	P	P	P
10	0818CE201012	JYOTSANA NAMDEO		A	A	A	A	A	P	P	P	P	P	P	P
~~11~~	~~0818CE201013~~	~~KAMAL TIWARI~~		A	-	-	-	-	-	-	-	-	-	-	-
12	0818CE201015	KARAN BISHNOI		A	A	A	A	A	A	A	A	A	A	A	A
13	0818CE201016	KARTIKEY SHUKLA		P	P	P	P	P	P	P	A	P	P	A	P
14	0818CE201017	LOKESH CHOUKIKER		A	A	A	A	P	P	P	P	P	P	A	A
15	0818CE201018	MEGHA VERMA		A	A	A	A	A	A	A	A	A	P	P	P
16	0818CE201019	NIDHI AMBEKAR		P	A	A	P	P	P	P	P	P	P	A	P
17	0818CE201021	PRADYUM SHIRSATHE		P	P	A	P	P	A	P	P	P	P	P	P
18	0818CE201023	RAHUL SINGH		P	P	P	A	P	P	P	A	A	A	P	P
19	0818CE201024	RAJ SANGRE		P	P	P	A	P	A	A	A	P	P	P	P
20	0818CE201026	ROHAN		P	P	P	A	P	P	P	P	P	P	P	P
21	0818CE201028	ROHIT PURI GOSWAMI		P	P	P	P	P	A	P	A	A	A	P	P
22	0818CE201029	RUCHITA JAWLE		P	A	A	P	P	A	P	P	A	A	A	A
23	0818CE201030	SANDEEP YADAV		P	A	A	A	A	P	P	A	P	P	A	P
24	0818CE201031	SHARIK SHAIKH		P	P	P	P	P	P	P	A	P	P	A	A
25	0818CE201032	SHIVLESH KUMAR VERMA		P	P	P	A	P	A	A	P	P	P	A	A
26	0818CE201033	SURYA PRATAP SINGH		A	A	A	A	P	P	P	A	A	P	P	A
27	0818CE201034	TARUN PATHODE		P	P	P	A	P	A	A	A	P	P	P	A
28	0818CE201035	VIJAY KALME		P	P	P	A	P	A	A	A	P	P	P	P
29	0818CE201036	VIJAY PATEL		P	P	P	A	P	P	P	A	P	P	P	P
30	0818CE201037	YOGESH JAISWAL		A	P	P	A	P	P	P	P	A	A	P	P
				P	P	P	P	P	P	P	P	P	P	P	P
				P											
				P											

ANKIT ROY

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REGISTER

09	09	09	09	09	09	09	10	10	10	10	10	11	10	11	11	11	11	% Attendance	MST-1	MST-2	ASSIGN.
13	19	20	26	24	30	30	11	17	18	31	31	01	17	02	07	07	14	17				
13	14	15	16	17	18	19	20	21	22	28	24	25	26	27	28	29	30	31	CH 31			1 2
A	A	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	00 02		10	A+
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	24 31	19	18	A++ A+
P	P	A	A	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	10 17	12	02	A+
P	P	P	A	A	A	A	P	P	P	P	P	P	P	P	P	P	P	P	16 20	08	09	A+ A+
A	A	P	P	P	P	A	A	P	P	P	P	A	P	P	A	A	P	P		14	00	B B
P	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	08 TO 17	14	00	A+ A+
P	P	P	P	P	P	P	P	P	P	A	P	P	P	19	P	P	P	P	20 25	12	03	
P	P	P	P	P	P	P	P	A	A	A	A	P	P	P	P	P	P	P	05 12	13	05	A+
P	A	A	P	P	P	P	P	A	A	A	A	P	P	P	P	P	P	P	08 14	09	06	A
P	P	P	P	P	P	P	P	A	A	A	A	P	P	P	P	P	P	P	05 12	02	13	A+
																				08	07	
P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	12	06	09	
P	P	A	A	P	A	P	A	P	P	A	A	P	P	P	P	P	P	P	13 19	15	12	A+ A+
A	P	P	P	P	P	P	P	P	P	A	A	P	P	P	A	P	P	P	08 14	A	10	A+ A+
P	P	P	P	P	P	P	P	P	P	P	P	P	P	·	P	P	P	P	06 12	A	07	
P	A	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	15 21	15	15	
A	A	A	P	P	P	P	A	P	P	A	A	P	P	A	P	P	P	P	10 16	19	09	A+ A+
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P	P	P	P	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P	14 20	19	14	A+ A+
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	10 25	19	00	A+ A+
P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	12+ 20	14	09	A+ A+
P	P	P	P	P	P	P	P	A	A	P	P	A	P	P	P	P	P	P	10 15	A	15	A+
P	P	A	P	P	A	A	A	P	P	P	P	P	P	P	P	P	P	P	12 18	09	00	A+++ A+
P	P	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	18 22	16	A	A+ A+
P	P	P	P	P	P	P	P	A	A	A	A	P	P	P	P	P	P	P	06 12	14	14	A+
P	P	P	P	P	P	P	P	P	A	P	A	A	A	P	A	P	P	P	07 11	19	A	A+ A+
P	P	P	P	P	P	P	P	A	P	A	A	A	P	P	P	P	A	P	11 16	03	09	
P	P	P	P	P	P	P	A	A	A	A	P	A	P	P	P	A	P	P	06 11	19	A	A+ A+
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P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	16 20	09	02	A+ A+
P	P	P	P	P	P	P	P	A	A	A	P	P	P	P	P	P	P	P	18+ 23	20	16	A+++ A++

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Green Wave Club

ATTENDANCE

SESSION :

SEMESTER : SUBJECT CODE / NAME :

S. No.	Enrollment No.	Student Name	Month	11	11	11	11
			Date	21	21	23	28
			Lecture No.	32	33	34	35
1	0818CE201001	ABHISHEK CHOUHAN		P	P	P	P
2	0818CE201002	AKSHATRAJ SHAH		A	A	P	P
3	0818CE201003	ANKIT JANI		P	P	P	P
4	0818CE201005	ARYAN PAL		A	A	P	P
5	0818CE201006	ASHUTOSH PANERI		P	A	P	P
6	0818CE201007	CHAITANYA DAWAR		P	P	P	P
7	0818CE201008	CHETAN WAGHLE		P	P	P	P
8	0818CE201009	DHRUV DWIVEDI		P	P	A	A
9	0818CE201011	HIMANSHU SHUKLA		A	A	P	P
10	0818CE201012	JYOTSANA NAMDEO		P	P	P	P
11	0818CE201013	KAMAL TIWARI		P	P	A	A
12	0818CE201015	KARAN BISHNOI		P	P	P	P
13	0818CE201016	KARTIKEY SHUKLA		P	P	P	A
14	0818CE201017	LOKESH CHOUKIKER		A	A	P	P
15	0818CE201018	MEGHA VERMA		P	P	P	P
16	0818CE201019	NIDHI AMBEKAR		P	P	P	P
17	0818CE201021	PRADYUM SHIRSATHE		P	P	P	P
18	0818CE201023	RAHUL SINGH		A	A	P	P
19	0818CE201024	RAJ SANGRE		P	P	P	P
20	0818CE201026	ROHAN		A	A	P	P
21	0818CE201028	ROHIT PURI GOSWAMI		A	A	P	P
22	0818CE201029	RUCHITA JAWLE		P	P	P	P
23	0818CE201030	SANDEEP YADAV		A	A	P	P
24	0818CE201031	SHARIK SHAIKH		P	P	P	P
25	0818CE201032	SHIVLESH KUMAR VERMA		A	A	P	P
26	0818CE201033	SURYA PRATAP SINGH		A	A	P	P
27	0818CE201034	TARUN PATHODE		P	P	P	P
28	0818CE201035	VIJAY KALME		P	P	P	P
29	0818CE201036	VIJAY PATEL		P	P	P	P
30	0818CE201037	YOGESH JAISWAL		P	P	P	P
31.		ANKIT ROY		P	P	P	P

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REGISTER

% Attendance	Quiz-1	Quiz-2
	10	10
	10	10
	10	10
	10	10
	10	10
	09	10
	09	07
	09	09
	10	09
	09	06
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	09	05
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	10	10
	10	10
	10	09
	10	05
	10	10

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Green Waves Club

ATTENDANCE

SESSION : JULY - DEC 2022

SEMESTER : V th SUBJECT CODE / NAME : CE - 501 (PRACTICAL)

S. No.	Enrollment No.	Student Name	Month	08	08	09	09	09	09	08	08	09	10	10	N
			Date	03	03	07	07	21	21	17	17	28	12	19	02
			Lecture No.	01	02	03	04	05	06	07	08	09	10	11	
													12		

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No	Enrollment	Name											
1	0818CE201001	ABHISHEK CHOUHAN	A	A	A	A	A	A	P	P	P	P	00
2	0818CE201002	AKSHATRAJ SHAH	P	P	P	P	P	P	P	P	P	P	11
3	0818CE201003	ANKIT JANI	P	P	P	P	A	A	A	P	P	A	P
4	0818CE201005	ARYAN PAL	A	A	A	A	P	P	P	P	P	P	
5	0818CE201006	ASHUTOSH PANERI	P	P	P	P	A	A	A	A	P	P	
6	0818CE201007	CHAITANYA DAWAR	P	A	P	P	P	P	P	P	P	A	
7	0818CE201008	CHETAN WAGHLE	P	P	P	P	A	A	P	P	P	P	
8	0818CE201009	DHRUV DWIVEDI	P	P	P	P	A	A	P	P	P	P	
9	0818CE201011	HIMANSHU SHUKLA	P	A	A	A	A	A	P	P	P	P	
10	0818CE201012	JYOTSANA NAMDEO	P	P	P	P	P	A	A	A	P	P	
11	0818CE201013	KAMAL TIWARI	P	P	P	P	P	A	A	A	P	P	A
12	0818CE201015	KARAN BISHNOI	A	A	A	A	P	P	P	P	P	P	P
13	0818CE201016	KARTIKEY SHUKLA	P	P	P	P	P	P	P	P	A	P	
14	0818CE201017	LOKESH CHOUKIKER	P	P	P	P	P	P	P	P	P	A	
15	0818CE201018	MEGHA VERMA	A	A	A	A	P	P	P	P	P	P	
16	0818CE201019	NIDHI AMBEKAR	P	P	P	P	A	A	P	P	P	P	
17	0818CE201021	PRADYUM SHIRSATHE	P	P	P	P	A	A	P	P	P	P	
18	0818CE201023	RAHUL SINGH	A	A	P	P	P	P	P	P	P	P	
19	0818CE201024	RAJ SANGRE	P	P	P	P	P	P	P	P	P	P	
20	0818CE201026	ROHAN	P	P	P	P	P	P	P	P	P	A	
21	0818CE201028	ROHIT PURI GOSWAMI	P	P	A	A	P	P	P	P	A	P	06
22	0818CE201029	RUCHITA JAWLE	A	A	P	P	P	P	P	P	P	P	10
23	0818CE201030	SANDEEP YADAV	P	P	P	P	P	P	P	P	P	P	12
24	0818CE201031	SHARIK SHAIKH	P	P	P	P	P	A	A	P	P	A	05
25	0818CE201032	SHIVLESH KUMAR VERMA	P	A	A	P	P	A	P	P	A	A	04
26	0818CE201033	SURYA PRATAP SINGH	A	A	A	A	P	P	P	P	P	P	06
27	0818CE201034	TARUN PATHODE	A	A	P	P	A	A	P	P	A	A	04
28	0818CE201035	VIJAY KALME	P	P	P	P	P	P	P	P	P	P	10
29	0818CE201036	VIJAY PATEL	A	A	P	P	A	A	P	P	P	P	08
30	0818CE201037	YOGESH JAISWAL	P	P	P	P	P	P	P	P	A	A	08

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REGISTER

11 11 11 02 09 18 12 13 14	% Attendance	Quiz - 1	viva	file
		Practical		
P P P		10		
P P P		10	10	08
P P P		10		
P P P		09	08	08
P P P			05	05
P P P		10		
P P P		10	08	08
A P P				
A P P		08	08	08
A P P		10	06	
A P P				
A P P		09	08	07
A P P		10	07	06
P P P		10	08	08
P P P		06	06	06
P P P		09	08	08
A P A		10	10	08
P P P		10	10	08
P P P		10	08	08
P P P		10	08	08
P P P		10	08	08
P P A		10	09	08
A P P		10		
A P P		10	09	08
P A P		10	08	08
P P P		10	09	06
P P P		10	07	06
P P P		10		
P P P		10	10	08
P P P		10	09	07
A A P		10	10	10

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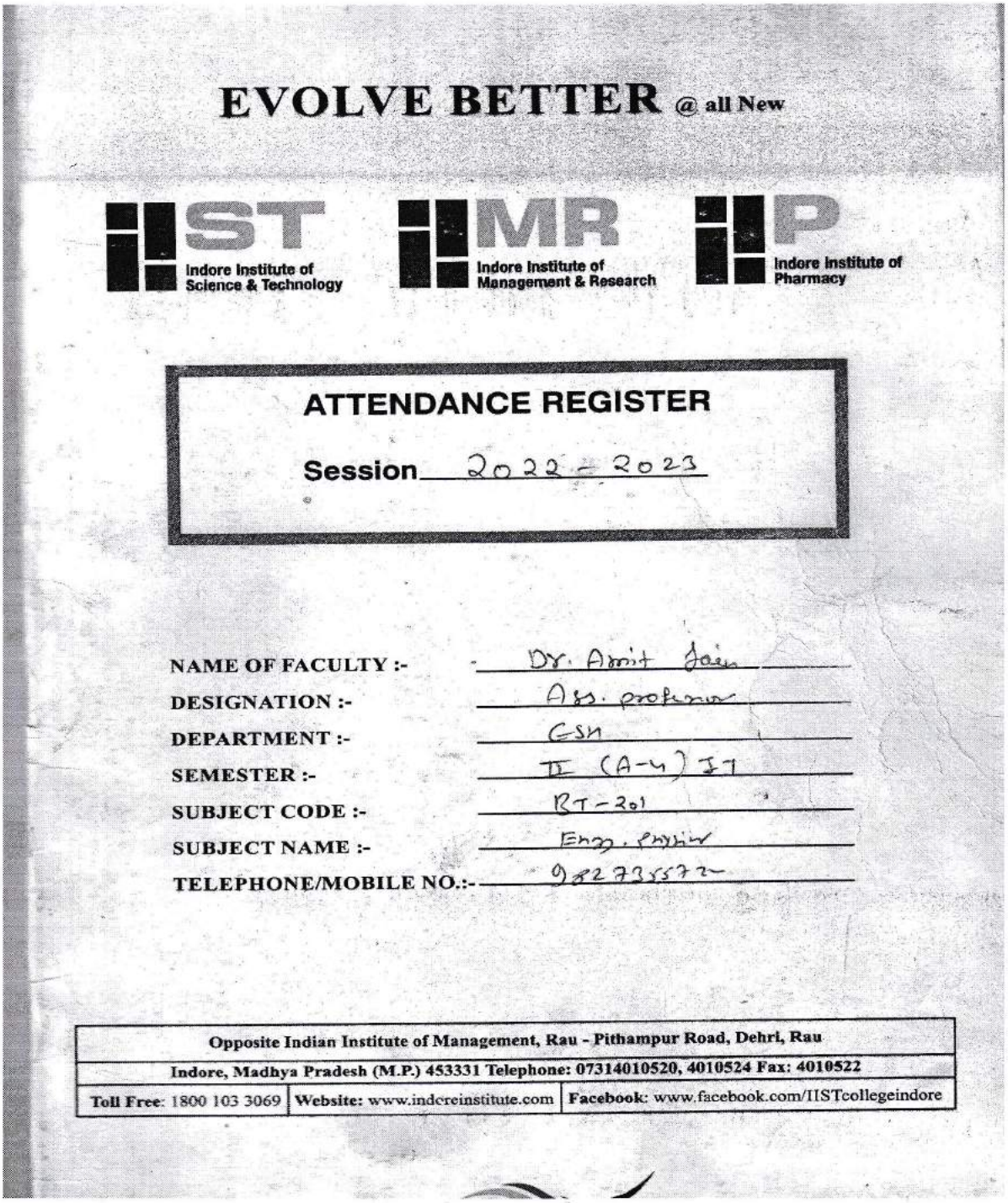
Sample Attendance Register from First Year



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IST Indore Institute of Science & Technology

IMR Indore Institute of Management & Research

IP Indore Institute of Pharmacy

ATTENDANCE REGISTER

Session 2022 - 2023

NAME OF FACULTY :- Dr. Amit Jain

DESIGNATION :- Ass. professor

DEPARTMENT :- CSN

SEMESTER :- II (A-4) IT

SUBJECT CODE :- BT-201

SUBJECT NAME :- Engg. physics

TELEPHONE/MOBILE NO.:- 9827385572

Opposite Indian Institute of Management, Rau - Pithampur Road, Dehri, Rau

Indore, Madhya Pradesh (M.P.) 453331 Telephone: 07314010520, 4010524 Fax: 4010522

Toll Free: 1800 103 3069 | Website: www.indoreinstitute.com | Facebook: www.facebook.com/IISTcollegeindore

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TIME-TABLE

INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY WEF 27/03/2023
B.Tech.-I YEAR/II SEM SESSION- 2022-2023
Personal Time Table

DAY/TIME	09.0-10:10	10:10-11.00	11:00-11:50	12:30-1:20	1:20-2:10	2:10-3:00	3:00-3:50
MON	L (A1) BT-201 AJ			LAB (A1) BT-201 (Batch-2)			L(A4) BT-201 AJ
TUE	L (A4) BT-201 AJ	LAB (A4)BT-201 (Batch-1)		L(A1) BT-201 AJ			
WED	L (A4) BT-201 AJ			L(A1) BT-201 AJ		LAB (A1)BT-201 (Batch-1)	
THU					L (A1) BT-201 AJ	L (A4) BT-201 AJ	
FRI	LAB (A4)BT-201 (Batch-2)						
SAT							

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OBJECTIVES & OUTCOMES

COURSE DESCRIPTION	The course is about Introduction to Quantum mechanics, Wave nature of Particles, Time-dependent and time-independent Schrodinger equation for wave function and their Application, Uncertainty principle; superposition of waves and interference of light by wave front splitting and amplitude splitting; Farunhofer diffraction, the Rayleigh, resolving power; Free electron theory of metals, Kronig-Penney model, origin of energy bands. V-I characteristics of PN junction, Zener diode, Solar Cell, Hall Effect; Einstein's theory of matter radiation interaction, amplification of light by population inversion, different types of lasers, Introduction to Optical fiber; Calculation of electric field and electrostatic potential for a charge distribution; Gradient, Divergence and curl, Stokes' theorem, Gauss Theorem, Maxwell's equation in vacuum and non-conducting medium and Pointing vector.
COURSE OBJECTIVES	**CO1:** To study the Quantum mechanics, Wave nature of Particles, uncertainty principle, Schrodinger equation and their applications. **CO2:** To introduce the interference in division of wave font and division of amplitude and Fraunhoffer diffraction. **CO3:** To study the free electron theory of metals and semiconducting devices and their basic principles. **CO4:** To study the basic principles of LASER light and application part of LASER light in fiberoptics. **CO5:** To introduces the electrostatics in vacuum, calculation of electric field and electrostatic potential
COURSE OUTCOMES	**CO1:** Understanding of Wave nature of particles and the Schrodinger equation with their applications. **CO2:** To understand the knowledge of Wave optics i.e. interference and diffraction. **CO3:** Build basic concepts of semiconducting devices. **CO4:** Develop the understanding of Lasers, fiber optics and their applications in field of engineering sciences. **CO5:** Apply basic concept of electric field, electric potential, behavior of Scalar-vector electric and magnetic field.

COURSE TITLE	COURSE CODE	CREDITS PER WEEK		
		L	T	P

COURSE CONTENTS

Module 1: Wave nature of particles and the Schrodinger equation (8 lectures)

Introduction to Quantum mechanics, Wave nature of Particles, operators, Time-dependent and time- independent Schrodinger equation for wave-function, Application: Particle in a one dimensional Box, Born interpretation, Free-particle wave-function and wave-packets, vg and vp relation Uncertainty principle.

Module 2: Wave optics (8 lectures)

Huygens' principle, superposition of waves and interference of light by wave front splitting and amplitude splitting; Young's double slit experiment, Newton's rings, Michelson interferometer, Mach- Zehnder interferometer. Farunhofer diffraction from a single slit and a circular aperture, the Rayleigh criterion for limit of resolution and its application to vision; Diffraction gratings and their resolving power.

Module 3: Introduction to solids (8 lectures)

Free electron theory of metals, Fermi level of Intrinsic and extrinsic, density of states, Bloch's theorem for particles in a periodic potential, Kronig-Penney model(no derivation) and origin of energy bands. V-I characteristics of PN junction, Zener diode, Solar Cell, Hall Effect.

Module 4: Lasers (8 lectures)

Einstein's theory of matter radiation interaction and A and B coefficients; amplification of light by population inversion, different types of lasers: gas lasers (He-Ne, CO2), solid-state lasers(ruby, Neodymium),Properties of laser beams: mono-chromaticity, coherence, directionality and brightness, laser speckles, applications of lasers in science, engineering and medicine. Introduction to Optical fiber, acceptance angle and cone, Numerical aperture, V number, attenuation.

Module 5: Electrostatics in vacuum (8 lectures)

Calculation of electric field and electrostatic potential for a charge distribution; Electric displacement, Basic Introduction to Dielectrics, Gradient, Divergence and curl, Stokes' theorem, Gauss Theorem, Continuity equation for current densities; Maxwell's equation in vacuum and non-conducting medium; Poynting vector.

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COURSE CONTENTS

Reference Books: -

1. Optics ByGhatak, TMH
2. Engineering Physics- V. S. Yadava, TMH
3. Optics by Brijlal and Subhraininyan.
4. Engineering physics by M.N. Avadhanulu and. S. Chand & Co.(2004)
5. Atomic and Nuclear physics by Brijlal and Subraminiyan.
6. Concepts of Modern Physics- Beiser, TMH
7. Solid State Physics by Kittel,Wiley India
8. Fundamentals of Physics-Halliday, Wiley India

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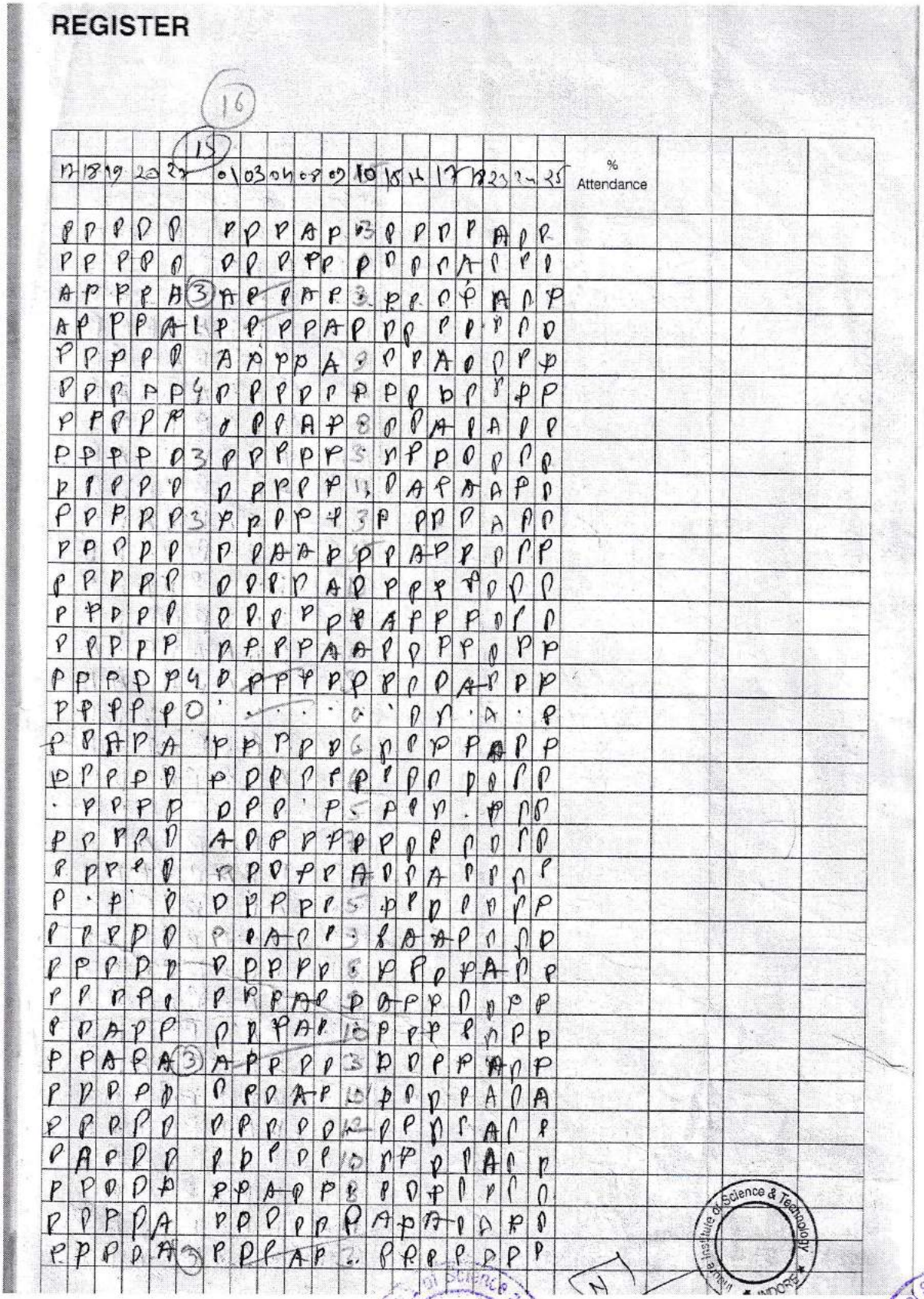
SESSION : 2023 **ATTENDANCE**

SEMESTER : IInd **SUBJECT CODE / NAME :** BT-201 [Engg. Physics

S. No.	Enrollment No.	Student Name	Month	03	03	03	04	04	04				
			Date	28	29	31	04	05	06	10	11	12	13
			Lecture No.										
1		Aalok Kushwaha		P	P	P	P	P	P	P	P	P	P
2		Aaryan Koushal		A	P	P	·	P	P	P	P	P	P
3		Aashi Pandey		A	A	P	P	P	P	P	P	P	P
4		Aayush Patle		A	P	A	A	A	P	P	P	P	P
5		Aayush Verma		A	A	P	P	P	P	P	P	A	P
6		Abhinav Verma		A	P	P	P	P	P	P	P	P	P
7		Adarsh Raghuvanshi		P	P	P	P	P	P	P	P	A	P
8		Ajay Patidar		A	P	P	P	P	A	P	P	P	P
9		Akshat Shukla		P	A	P	P	P	P	P	P	P	P
10		Aman Kumar		A	P	P	P	P	P	P	P	A	P
11		Amit Nagar		P	A	P	P	P	P	P	A	P	P
12		Ashish Sen		A	P	P	P	P	P	P	P	P	P
13		Ashvarya Patil		P	P	P	P	P	P	P	P	P	P
14		Atul Sahu		P	A	P	P	P	P	P	P	P	P
15		Ayush Mandloi		P	P	P	P	P	P	P	P	P	P
16		Ayush Patidar					·	·	·	·	·	·	·
17		Bhavna Soni		A	A	P	P	A	P	P	P	A	P
18		Boby Thoke		P	A	P	P	P	P	P	P	A	P
19		Chandan Patidar				P	P	P	P	·	P	P	P
20		Chirayu Patle		A	A	P	P	A	P	P	A	P	P
21		Deepali Chhapre		A	A	A	P	P	P	P	P	P	P
22		Deepshikha Sajankar				P	P	P	·	P	P	·	P
23		Divya Dwivedi		A	P	A	P	A	P	P	P	A	P
24		Gopal Chouhan		P	P	P	P	A	A	P	P	P	P
25		Harsh Agrawal		A	A	P	P	P	P	A	P	A	P
26		Harsh Chouhan		P	P	P	P	P	A	P	A	P	P
27		Harsha Barche		A	P	P	P	P	P	A	P	P	P
28		Harshit Singh Bhadouri		P	A	A	P	P	P	P	P	P	P
29		Kanak		A	P	A	P	P	P	P	P	P	P
30		Kavya K. B.		P	P	P	P	A	P	P	P	P	P
31		Krishna Chouhan		P	P	P	P	A	P	P	P	A	P
32		Kshitij Saxena		A	P	P	P	P	A	P	P	P	P
33		Mahendra Patidar		A	P	A	P	P	P	A	P	A	P

REGISTER



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ATTENDANCE

SESSION :

SEMESTER : **SUBJECT CODE / NAME :**

S. No.	Enrollment No.	Student Name	Month			J	U	N	E				
			Date										
			Lecture No.	29	30	01	05	06	07	08	13	14	20
1				P	P	P	P	P	P	P	P	P	P
2				A	P	P	P	P	P	P	P	P	P
3				A	P	P	P	P	P	P	P	P	P
4				P	P	P	P	P	A	P	P	P	P
5				P	P	P	P	P	P	A	P	P	P
6				P	P	P	P	A	A	P	P	A	P
7				P	P	A	A	P	A	P	P	A	P
8				A	A	A	P	P	P	P	P	A	P
9				P	P	A	A	.	P	P	A	P	P
10				A	P	P	P	A	P	A	A	P	P
11				A	A	P	P	P	P	P	P	P	A
12				P	P	P	P	P	P	P	A	P	P
13				P	P	P	P	P	P	P	P	P	P
14				P	A	P	P	A	A	P	A	.	A
15				A	A	P	P	A	P	A	P	A	A
16				.	.	.	.	.	.	.	L	P	P
17				P	P	P	A	P	P	P	P	P	P
18				P	P	A	P	P	P	P	P	P	P
19	—			P	P	P	P	.	P	P	P	.	P
20				P	P	P	P	A	A	P	A	P	P
21				P	P	P	P	A	P	P	P	P	P
22				P	P	A	P	P	P	P	P	P	P
23				P	P	P	.	P	P	P	P	P	P
24				P	P	P	P	P	P	P	A	P	P
25				P	P	P	A	P	P	A	P	P	P
26				P	P	P	A	P	P	P	P	P	P
27				P	P	P	P	P	P	P	A	P	P
28				P	P	P	P	P	P	P	P	P	P
29				P	P	P	P	P	P	P	P	P	P
30				P	P	P	P	P	P	P	P	P	P
31				P	P	P	P	A	P	P	P	A	P
32				P	P	P	P	P	P	P	P	P	P
33				P	A	P	P	A	P	P	P	P	P

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REGISTER

% Attendance		(38)
33		34
24		25
16		17
17		17
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22		22
23		24
22		23
15		16
21		21
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ATTENDANCE

SESSION : 2023. **SEMESTER :** IInd **SUBJECT CODE / NAME :** BT-201 (Engg Physics)

S. No.	Enrollment No.	Student Name	Month	03	03	03	04	04	04				
			Date	28	29	31	04	05	06				
			Lecture No.										
34	9	Manav Raiwal				P	P	P	P	P	P		
35		Mansi Joshi		P	A	P	P	P	P	P	P	P	P
36		Mansi Yadav		P	A	P	P	A	A	P	P	A	P
37		Manish Piple		P	P	P	P	P	P	P	P	P	P
38		Mratunjay Patle		A	P	P	P	A	P	P	A	P	P
39		Murlidhar Carpenter		A	P	P	P	P	A	P	P	P	P
40		Mustufa Ali		P	P	A	P	P	P	P	P	P	A
41		Nancy Sahu		P	A	P	P	P	P	P	P	P	P
42		Narendra Nikam		P	P	P	P	P	A	P	P	P	P
43		Pari Meena		A	A	P	P	A	A	P	P	P	P
44		Piyush Chouvasiya		P	P	P	P	P	A	P	P	·	P
45		Prakhar		P	P	P	A	P	P	P	P	P	P
46		Prashant Mishra		P	A	P	P	P	P	A	P	P	A
47		Prashant Pagare		P	P	P	P	A	P	P	A	P	P
48		Prerna Yadav		A	A	A	P	A	P	P	P	P	A
49		Prince Rai											
50		Priyal Jain		P	A	P	P	P	P	P	P	P	A
51		Priyanka Nimbulkar		A	A	P	P	P	P	P	P	P	P
52		Priyanshu Ramchandani		P	A	P	P	A	P	A	P	P	P
53		Rahul Jatav		A	A	P	P	P	P	P	P	P	P
54		Ramu Kushwah		P	P	P	P	P	P	P	P	P	P
55		Reeta Korangee		A	P	A	P	P	A	P	P	A	A
56		Rishabh Jain		A	P	P	P	P	P	P	P	P	P
57		Ritika Mehta		P	P	P	P	A	P	P	P	P	P
58		Riya Rathore		P	P	P	P	P	P	P	A	P	P
59		Rohan Bhadang		A	P	P	A	P	P	P	P	P	P
60		Sagar Gautam		A	P	A	P	P	P	A	P	A	P
61		Samridhhi Sharma		P	P	P	A	P	P	P	P	P	P
62		Sandeep Patidar		P	P	P	P	P	A	P	P	P	P
63		Sanidhya Soni		A	P	P	P	P	P	A	P	P	P
64		Sharad Tiwari		P	P	P	P	P	P	A	P	P	P
65		Siddharth Gupta		P	P	P	P	P	A	P	P	P	P
66		Suraj Singh Dhakar		A	A	P	P	P	P	P	P	P	P

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REGISTER

17	18	19	20	21	01	03	04	07	09	10	15	16	17	22	23	24	28	% Attendance
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P	A	P	P	P	A	P	P	A	A	P	P	P	P	P	P	P	P	
P	P	A	P	P	3	P	P	P	P	P	A	P	P	P	P	P	P	
P	P	P	P	P		P	P	P	P	A	P	P	P	P	P	P	P	
P	P	P	P	P		P	P	P	P	P	A	P	P	A	P	P	P	
P	P	P	P	P		P	P	P	P	P	P	P	P	P	P	A	P	
P	P	P	A	P		P	P	P	P	P	A	P	P	A	P	P	A	
P	P	P	P	P		P	P	P	P	P	P	A	A	P	P	P	P	
A	P	P	A	P		A	P	P	P	P	P	P	P	P	P	P	P	
P	P	P	P	A		P	P	P	A	P	A	P	P	P	P	P	P	
P	P	P	P	P		P	P	P	P	P	P	A	P	P	P	P	P	
P	P	P	P	P		P	P	P	P	P	P	P	P	P	P	P	P	
A	P	P	P	P	2	P	.	P	P	P	P	P	P	P	P	P	P	
P	P	P	P	P		P	P	P	P	P	P	P	P	P	P	P	P	
P	P	P	P	P		P	P	P	P	A	P	P	P	P	P	P	P	
.	.	.	.	O	,	,	.	.	.	.	.	.	P	A	.	.		
P	P	P	P	P		P	P	P	P	A	A	P	P	A	P	A	P	
P	P	A	P	P		A	P	P	P	P	P	P	P	P	P	P	P	
A	P	A	P	P	3	P	P	P	P	P	P	A	P	P	P	P	P	
P	P	P	P	P		P	P	P	P	P	P	A	P	P	A	P	P	
P	P	P	P	P		P	P	P	P	P	P	P	P	P	P	P	P	
P	P	P	.	P		P	P	P	P	P	P	A	P	P	P	P	P	
P	P	P	P	P		P	P	P	P	P	P	A	P	P	A	P	P	
X	P	P	A	P		P	P	P	P	P	P	P	P	P	P	P	A	
P	P	P	A	P		P	P	P	P	P	P	P	P	P	A	P	P	
P	P	P	P	P		A	P	P	P	P	P	P	P	P	P	P	P	
P	P	P	A	P		P	P	P	P	P	P	P	P	P	A	P	P	
P	P	P	P	P		P	P	A	P	P	P	P	P	P	P	P	P	
P	P	P	P	P		P	P	P	P	P	P	P	A	P	A	P	P	
A	P	P	A	P	2	P	A	P	P	P	P	P	P	P	A	P	P	
P	P	P	P	P		P	P	P	P	A	P	P	A	P	P	A	P	

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Frequency & Variety for Continuous Evaluation

Mechanism of Internal & External Assessment

Frequency of assessment component will be finalized by AEC/IQAC based on university guidelines and mention in MST notice and well informed faculty before the semester start. Currently two MST exam., 2 Quiz and 2 assignment minimum need to conduct and apart from theses teachers are given free hand to use their innovative variety for evaluation methods like such as Open Book Tests, MCQs, etc. on continuous basis., whereby students are encouraged to participate in interactive sessions, group discussions, presentations and assignments.

Indore Institute of Science and Technology

Academic Calendar of 2022-23 (Session: Jan. - June 2023)

January

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

February

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

March

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

April

Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

May

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

June

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Events (Tentative)

For Degree Programmes – BE/B. Tech.

Commencement of Classes

1st Year - 2nd Sem. - 13th March 2023*
3rd Year - 6th Sem. - 02nd Jan., 2023*
2nd Year - 4th Sem. – 13th Feb., 2023*
4th Year - 8th Sem. - 02nd Jan., 2023*

Last date for Semester Registration

2nd Sem. - 20th March 2023*
6th Sem. - 09th Jan. 2023*
4th Sem. - 20th Feb., 2023*
8th Sem. - 09th Jan. 2023*

Attendance

Display of 1st short attendance list intimation to Parents
After 30 days from the Commencement of Classes
Display of 2nd short attendance list intimation to Parents
After 60 days from the Commencement of Classes

ternal Assessment - Centralized MST-I	Display of Result
nd Sem. (Theory & Practical) - 05th – 11th April 2023*	17th April 2023*
h Sem. (Theory & Practical) - 01st – 06th March 2023*	11th March 2023*
h & 8th Sem. (Theory & Practical) - 13th – 17th Feb., 2023*	24th Feb., 2023*

entralized MST-II	Display of Result
Sem. (Theory Exam) - 22nd – 27th May 2023*	02nd June 2023*
Sem. (Theory Exam) - 03rd – 08th April 2023*	14th April 2023*
& 8th Sem. (Theory Exam) - 20th – 24th March 2023*	31st March 2023*

ass Test/Quizzes to be conducted before each MST

bmission of Mid Semester & Sessional Marks to University
Sem. - 06th – 12th May 2023*
6th & 8th Sem. - 20th – 26th April 2023*

bmission of 2nd Sem. internal marks to University – Up to 08th July 2023*

bmission of Practical marks to University – On the date of Practical Exam.

ent (Extra Curriculum & Sports activities)

stitute level (Inter Branch) Sports activity	March 2023 *
ch-Fest & Cutural events	March 2023*

d of Teaching

d Sem. – 6th July, 4th Sem. – 05th May and 6th & 8th Sem. - 20th April 2023*

iversity Exam	Theory Examination	Practical Examination
Sem.	11th – 21st July 2023*	22nd – 28th July 2023*
Sem.	13th – 25th May 2023*	26th – 31st May 2023*
& 8th Sem.	27th April – 20th May 2023*	21st – 31st May 2023*

ates are subjected to change as per University guidelines & schedule.
o Industry visit & Two Expert lectures for each department is mandatory.
rts Activity: On all working Saturday & RGPV Sports Activities will be as per University Sports Calendar.

List of Holidays e session (Jan. to June – 2023)

New Year	01/01/2023
Republic Day	[illegible]/2023
Sant Ravidas Jayanti	[illegible]2023
Maha Shivratri	18/02/[illegible]
Holi	[illegible]/03/[illegible]
Gudi Padwa	[illegible]/03/2023
Ram Navami	30/03/[illegible]
vir Jayanti	04/04/2023
Friday	07/04/2023
mbedkar Jayanti	14/04/2023
uram Jayanti	22/04/2023
a Purnima	05/05/2023
nunda punyatithi	09/06/2023
uha	29/06/2023

Local holiday as per notified by District Administration.

Dr. Keshav Patidar
Principal

Shri Arun S Bhatnagar
Director General

Academic Calendar (I ilight the Internal Assessment communicate to students)

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Indore Institute of Science & Technology

IIST/Aug.-22/02 *Academic Year 2022-23 (Odd Sem.)* Date: 12.08.2022

NOTICE

Mid – Semester Tests (MST-I) of 4th Year

Dear All,

This to inform you that the centralized MST-I for the session **July to Dec., 2022** scheduled in offline mode as mention below:

Dates for MST-I (Theory)

MST-I	Year	Date
Theory	4th year	**26th (Friday) Aug., 2022 & 27th (Saturday) Aug., 2022**

1. It is mandatory for all the eligible students to appear and perform to the MST examination.
2. **MST is of 20 Marks.**
3. The [illegible]
4. Que[illegible] [illegible] maining units.
5. [illegible] Marks towards Quiz & Assignment is evaluated as follows:
   - [illegible] rks for Quiz – I after MST-I
   - [illegible]
   - [illegible] verage of the two quizzes is taken for 05 marks.
   - 05 Marks for assignment.
6. [illegible] schedule and other details related to the MST can also be collected from the respective department.
7. [illegible] request will be entertained for the change of schedule, subject etc regarding the scheduled centralized MST.
8. [illegible] idents having short of attendance will not be permitted for MST.
9. [illegible] **outstanding dues payable to the institute in any form (Institute/Hostel/Transport fee) to** [illegible] **pear in the MST.**

[illegible] you best wishes and good luck for the upcoming MST'

Dr. Keshav Patidar
Principal
IIST, Indore

C[illegible]

[illegible] the students
[illegible]/HOD
[illegible] faculty and staff
[illegible] Dept.,
[illegible] **egistrar office. 6. Account Dept., 7. Admin Dept., 8. DG Office, 9. Office Record**

MST [illegible] ce (Highlight Evaluation System Communicate to the students)

Mode of Assessment	Assessment Tool	Description/Frequency with variety	Evaluation of Course Outcomes	Frequency of Assessment
Direct	Teacher Assessment (Assignment and Quiz)	Two assignment and Two Quiz are given for each courses for continuous assessment	The Question in the internal examination and assignment /quiz is mapped against COs of respective course. The question for two internal examination and assignment and quiz are framed in such a way to cover all course outcomes. The final attainment for each Cos under direct assessment is calculated by taking average.	**Continuous**
Direct	Mid Semester Examination	Two Mid semester examinations are conducted within semester. Each MST Cover 2.5 Units		**Twice in a Semester**
Direct	Lab Work and Sessional	Continuous evaluation is done through viva-voce, Lab report submission and laboratory quiz.	The Question in the internal Lab examination/ assignment /quiz is mapped against COs of respective course. The question for two internal examination/ assignment / quiz is framed in such a way to cover all course outcomes and experiment list. The final attainment for each Cos under direct assessment is calculated by taking average.	**Continuous**
Direct	Lab Assignment / MST / Quiz			**Twice in a Semester**
Indirect	**Course Outcome Feedback**	After the end of every semester, feedback is taken for individual subject.		**End of Semester**

Rubrics for PO's Assessment and Attainment

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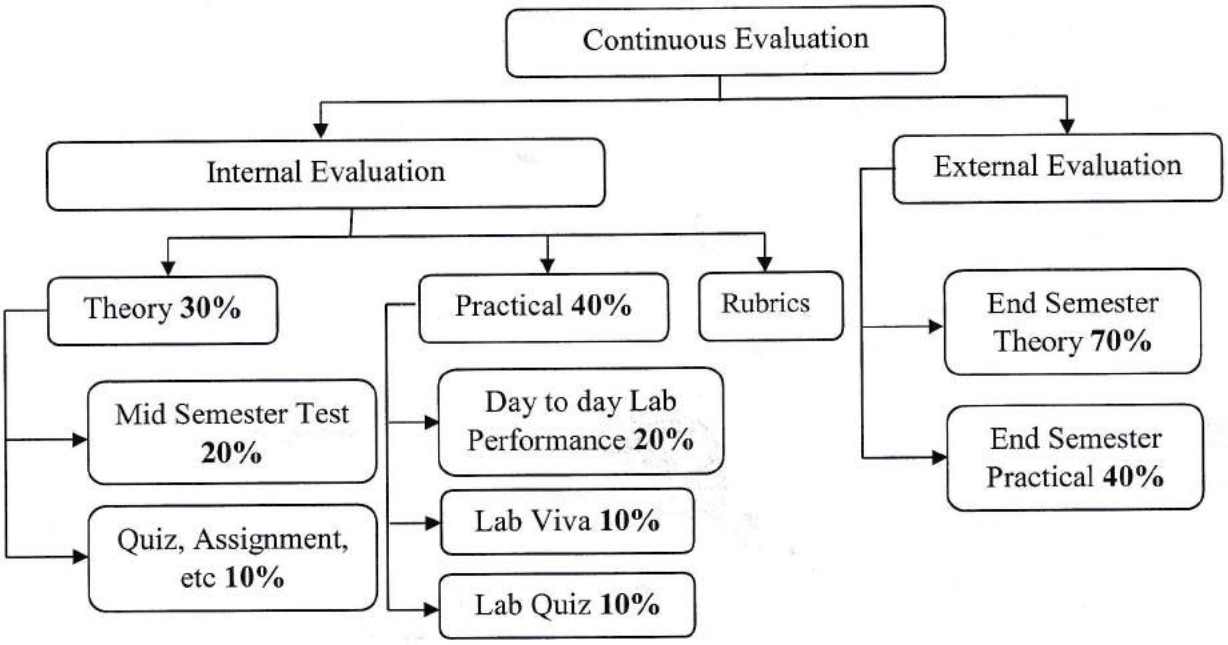
Flow Chart for Continuous Evaluation



Note: - Based on Affiliating University Ordinance refer page number: 8

Mid Semester Examinations Timetable

INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY, INDORE

TIME TABLE

MST-I April -2023

EXAM: B.Tech. (All Branches) IV Semester

Date	05/04/2023 [WEDNESDAY]	06/04/2023 [THURSDAY]		08/04/2023 [SATURDAY]	
Branch/Time	1:30 PM-3:30 PM	10:00AM-12:00 Noon	1:30 PM-3:30 PM	10:00AM-12:00 Noon	1:30 PM-3:30 PM
AIML	AL-401 DS&LB	AL-402 ADA	AL-403 SE	AL-404 COA	AL-405 ML
CE	ES-401 EEE	CE-402 CT	CE-403 SA-I	CE-404 TE-I	CE-405 EG & RS
CM	CM-402 Fluid Particle Mechanics	CM403 Fluid Mechanics	ES-401 Energy Environment Ecology and Society	CM-404 Fuel Technology	CM 405 Inorganic Process Technology
CS	BT-401 M-3	CS-402 ADA	CS-403 SE	CS-404 COA	CS-405 OS
EC	ES-401 EEE	EC-402 S & S	EC-403 AC	EC-404 CS	EC-405 AC
IT	BT-401 M-3	IT-403 ADA	IT-404 ADC	IT-402 CA	IT-405 DBMS
ME	ES 401 ENERGY & ENVIRONMENTAL ENGINEERING	ME 402 INSTRUMENTATION & CONTROL	ME 403 THEORY OF MACHINES	ME 404 FLUID MECHANICS	ME 405 MANUFACTURING TECHNOLOGY

Note- Candidate should note the dates & sequence of subjects very carefully.

Dr. Kesha Patidar
Principal

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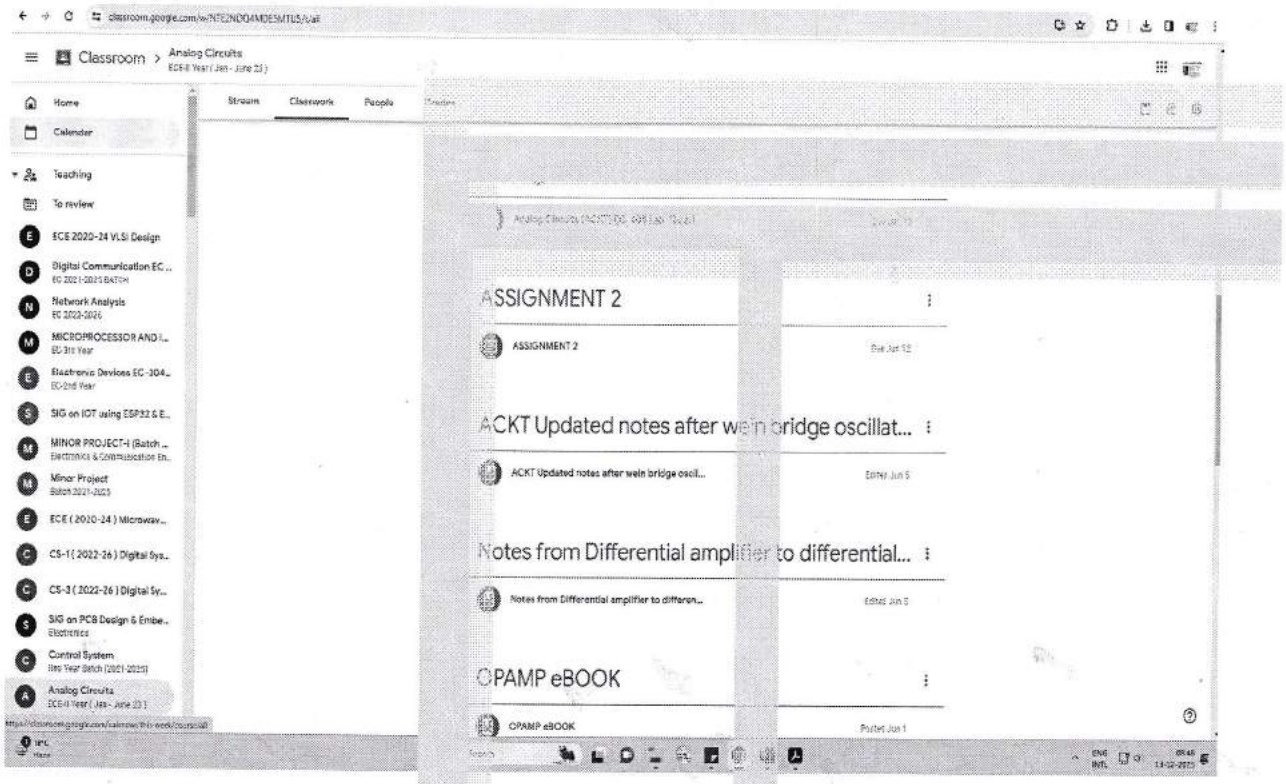
Internal Evaluation (Theory & Practical)

S. No	Session	Subject Name	Proof for
1.	Jan-June 2023	Analog Circuits	Assignment / Quiz
2.	July-Dec 2022	Discrete Structure	MST Copy
3.	July-Dec 2022	Technical Communication	MST Copy
4.	July-Dec 2022	Mathematics-III	MST Copy
5.	July-Dec 2022	EMI	Lab Quiz / Assignment
6.	July-Dec 2022	Digital System	Quiz
7.	Jan-June 2023	Data Communication	Quiz / Assignment
8.	Jan-June 2023	ADA	MST Copy
9.	Jan-June 2023	Analog Circuit	MST Copy

1. Analog Circuit (Quiz / Assignment)



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2. Discrete Structure (MST)

(1)

Signature of H. Yadav

IIST IIP IIMR

29551

INSTITUTE : IIST ☑ IIP ☐ IIMR ☐	INST. CODE : 0818	Course : B. Tech	DATE : 27/12/22
EXAM : MST-I ☐ II ☐ III ☑ THEORY ☐ PRACTICAL ☐		SESSION:(Odd/Even) 2022-2023	
NAME : Himank Yadav		ENROLLMENT 0818IT211017	
BRANCH : IT	YEAR : 2nd	SEMESTER : 3rd	SECTION : B1
SUB. NAME : Discrete Structure		SUBJECT CODE : IT302	

Q.NO.	1 A	1 B	2 A	2 B	3 A	3 B	4 A	4 B	5 A	5 B	6 A	6 B	7 A	7 B	8 A	8 B
MARKS																

MAX. MARKS :	MARKS OBTAINED : 18	INWORDS :
NAME & SIGN. INVIGILATOR / INTERNAL		NAME & SIGN. VALUER/EXTERNAL

NOTE : Start Writing From Here

Part - A

Ans of 1 :-

$(p \to q) \land (q \to p) \leftrightarrow (p \leftrightarrow q)$ is Tautology

Sol.

p	q	p → q	q → p	(p → q) ∧ (q → p)
T	T	T	T	T
T	F	F	T	F
F	T	T	F	F
F	F	T	T	T

p	q	p ↔ q	(p → q) ∧ (q → p)	(p → q) ∧ (q → p) ↔
T	T	T	T	T
T	F	F	F	T
F	T	F	F	T
F	F	T	T	T

4

3. Technical Communication (MST)

IST Indore Institute of Science & Technology | IIP Indore Institute of Pharmacy | IMR Indore Institute of Management & Research

Palak Jain seen 9251

INSTITUTE : IIST ☑ IIP ☐ IIMR ☐	INST. CODE : 0818	Course : B.Tech.	DATE : 26/12/2022		
EXAM : MST-I ☐ II ☑ III ☐ THEORY ☐ PRACTICAL ☐	SESSION:(Odd/Even) 20..22.20..23..				
NAME : Palak Jain	ENROLLMENT 0818CL211043				
BRANCH: AIML	YEAR :	SEMESTER: III rd	SECTION : B-2		
SUB. NAME : Technical Communication	SUBJECT CODE :				

Q.NO.	1		2		3		4		5		6		7		8	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
MARKS																

MAX. MARKS : | MARKS OBTAINED : 17½=18 | INWORDS :

NAME & SIGN. INVIGILATOR / INTERNAL | NAME & SIGN. VALUER/EXTERNAL

NOTE : Start Writing From Here

Part - C

Answer No. 8

1) ~~To get a job~~ To win an interview.

2) Clear

3) I Couldn't able

4) Most

(4)

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4. Mathematics- III (MST)

IIST Indore Institute of Science & Technology | IIP Indore Institute of Pharmacy | IIMR Indore Institute of Management & Research

28727

INSTITUTE : IIST ☑ IIP ☐ IIMR ☐ | INST. CODE : 0818 | Course : B. Tech | DATE : 26-12-22

EXAM : MST-I ☐ II ☑ III ☐ THEORY ☐ PRACTICAL ☐ | SESSION:(Odd/Even) 20.....20.....

NAME : BHUMI CHOUHAN | ENROLLMENT 0818EC211020

BRANCH: EC | YEAR : 2nd | SEMESTER: III | SECTION : EC

SUB. NAME : Mathematics - III | SUBJECT CODE : BT-301

Q.NO.	1 A	1 B	2 A	2 B	3 A	3 B	4 A	4 B	5 A	5 B	6 A	6 B	7 A	7 B	8 A	8 B
MARKS																

MAX. MARKS : 20 | MARKS OBTAINED : 14 | INWORDS : fourteen

NAME & SIGN. INVIGILATOR / INTERNAL | NAME & SIGN. VALUER/EXTERNAL

..... NOTE : Start Writing From Here.....

PART - B

Q.4 Given : $n = 10$

$p = 10\% \Rightarrow \frac{10}{100} = 0.1$

Sol^n - Mean $= m = n \cdot p$

$= 10 \times 0.1$

$= 1.0 = 1$

By Poisson's distribution -

$P[\text{exactly two will be defective}] =$

$P[X = 2] = \frac{e^{-1}(1)^2}{2!}$

$= \frac{e^{-1} \cdot 1}{2 \times 1}$

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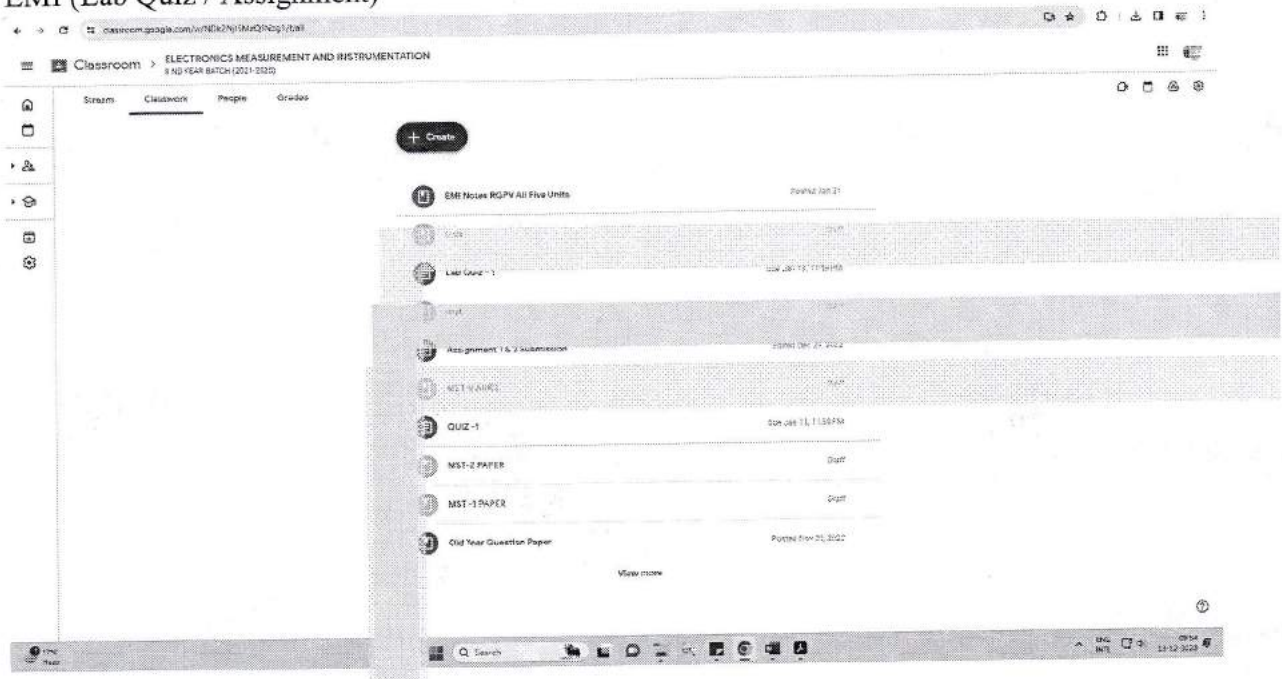
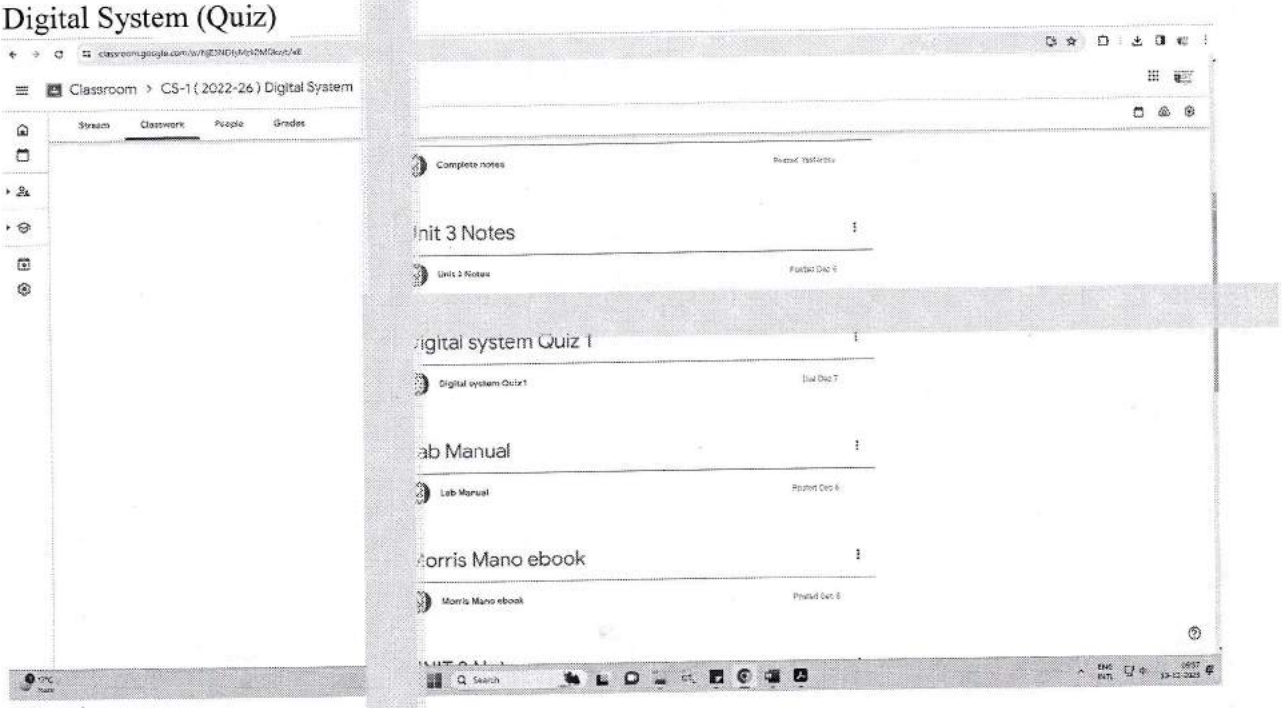
5. EMI (Lab Quiz / Assignment)



6. Digital System (Quiz)



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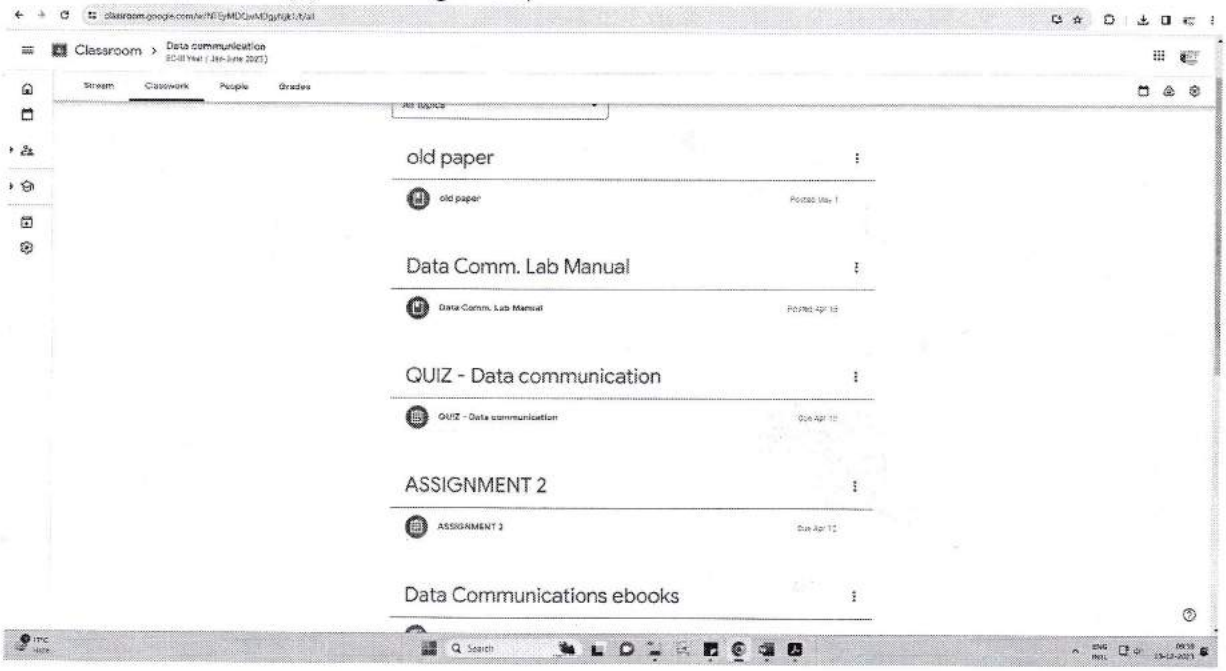
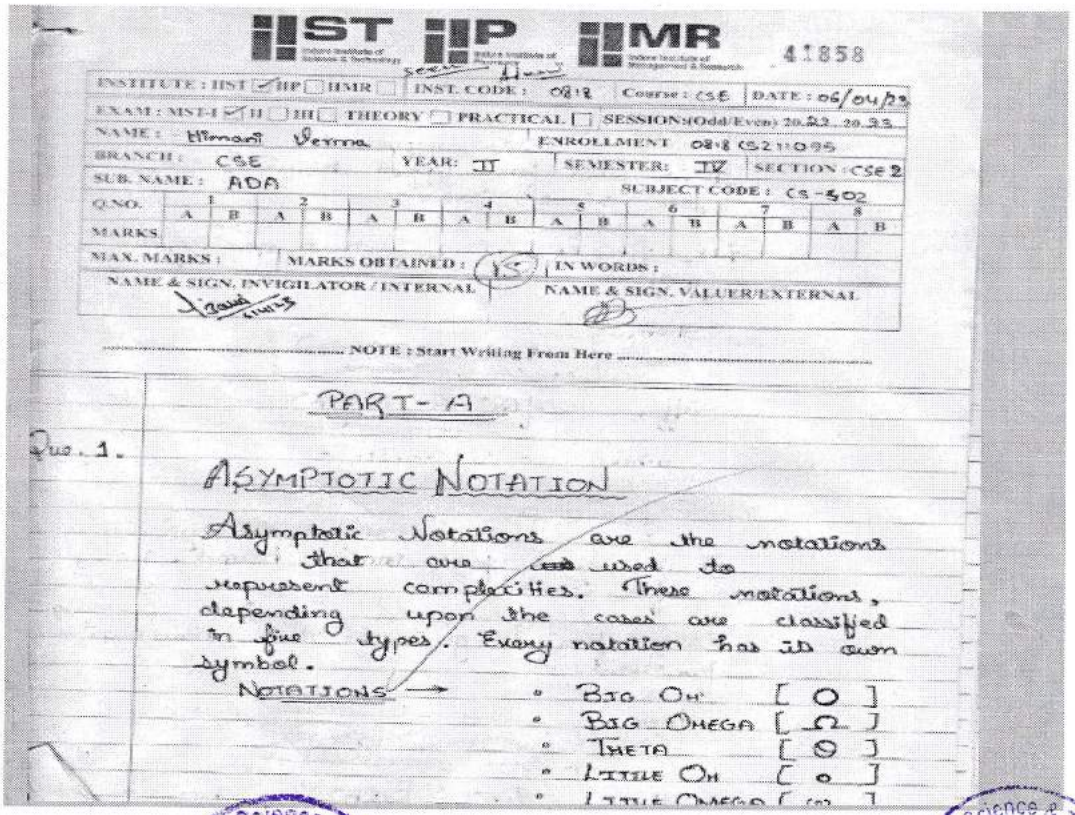
7. Data Communication (Quiz / Assignment)



8. ADA (MST)



IIST IIP IIMR 41858

INSTITUTE : IIST ☑ IIP ☐ IIMR ☐ | INST. CODE : 0818 | Course : CSE | DATE : 06/04/22

EXAM : MST-I ☑ II ☐ III ☐ THEORY ☐ PRACTICAL ☐ | SESSION:(Odd/Even) 2021-22

NAME : Himani Verma | ENROLLMENT : 0818CS211095

BRANCH : CSE | YEAR : II | SEMESTER : IV | SECTION : CSE 2

SUB. NAME : ADA | SUBJECT CODE : CS-402

Q.NO.	1		2		3		4		5		6		7		8	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
MARKS																

MAX. MARKS : | MARKS OBTAINED : 15 | IN WORDS :

NAME & SIGN. INVIGILATOR / INTERNAL | NAME & SIGN. VALUER/EXTERNAL

NOTE : Start Writing From Here

PART-A

Que. 1. ASYMPTOTIC NOTATION

Asymptotic Notations are the notations that are used to represent complexities. These notations, depending upon the cases are classified in five types. Every notation has its own symbol.

NOTATIONS →
- BIG OH [O]
- BIG OMEGA [Ω]
- THETA [Θ]
- LITTLE OH [o]
- LITTLE OMEGA [ω]

9. Analog Circuit (MST)

IST Indore Institute of Science & Technology | IIP Indore Institute of Pharmacy | IMR Indore Institute of Management & Research

Seen & Satisfied (1)

INSTITUTE : IIST ☑ IIP ☐ IIMR ☐ | INST. CODE : 0818 | Course : B.Tech | DATE : 24/6/23

EXAM : MST-I ☐ II ☑ III ☐ | THEORY ☑ PRACTICAL ☐ | SESSION:(Odd/Even) 2022-23

NAME : SANJANA SEN | ENROLLMENT 0818EC211052

BRANCH : EC | YEAR: 2023 | SEMESTER: IV | SECTION : EC

SUB. NAME : Analog Circuit | SUBJECT CODE : EC-405

Q.NO.	1		2		3		4		5		6		7		8	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
MARKS																

MAX. MARKS : 20 | MARKS OBTAINED : 14 | IN WORDS : Ore four

NAME & SIGN. INVIGILATOR / INTERNAL: 24/06

NAME & SIGN. VALUER/EXTERNAL

NOTE : Start Writing From Here

PART = A

Q2. Write short notes on, (i) Slew rate & its effect on OPAMP

(ii) VCO

(i) Slew rate => Slew rate can be describe as the rate of change of output voltage of the signal over a each unit of time. It is denoted by S. & its value can be go from lower to higher. In OP-amp it is used to identify the highest input frequency

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Mention in MST Notices

Indore Institute of Science & Technology

IIST/Aug.-22/02 | *Academic Year 2022-23 (Odd Sem.)* | Date: 12.08.2022

NOTICE

Mid – Semester Tests (MST-I) of 4th Year

Dear All,
This to inform you that the centralized **MST-I** for the session **July to Dec., 2022** scheduled in offline mode as mention below:

Dates for MST-I (Theory)

MST-I	Year	Date
Theory	4th year	26th (Friday) Aug., 2022 & 27th (Saturday) Aug., 2022

1. It is mandatory for all the eligible students to appear and perform in the MST examination.
2. MST is of 20 Marks.
3. The marks obtained in the MST will be uploaded to the University portal.
4. Questions in the **MST-I** exam will be from the first two units of the respective subjects and **MST-II** will cover remaining units.
5. Ten Marks towards Quiz & Assignment is evaluated as follows:
   - 05 Marks for Quiz – 1 after MST-I
   - 05 Marks for Quiz – 2 after/before MST-II
   - Average of the two quizzes is taken for 05 marks.
   - 05 Marks for assignment.
6. The schedule and other details related to the MST can also be collected from the respective department.
7. No request will be entertained for the change of schedule, subject etc regarding the scheduled centralized MST.
8. Students having short of attendance will not be permitted for MST.
9. **Clear outstanding dues payable to the institute in any form (Institute/Hostel/Transport fee) to appear in the MST.**

'Wishing you best wishes and good luck for the upcoming MST'

Dr. Keshav Patidar
Principal
IIST, Indore

C.C.to:-

1. All the students
2. Dean/HOD
3. All faculty and staff
4. Exam Dept.,
5. Registrar office. 6. Account Dept., 7. Admin Dept., 8. DG Office, 9. Office Record

Opp. IIM(Indore), Rau-Pithampur Road, Rau, Indore (MP) - 453331

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MST Examination Paper based on AICTE Exam Reform Policy

INDORE INSTITUTE OF SCIENCE & TECHNOLOGY, INDORE
DEPARTMENT OF CHEMICAL ENGINEERING
MID SEMESTER TEST-I APRIL

SUBJECT NAME: FLUID PARTICLE MECHANICS **SUBJECT CODE: CM 402**
SEMESTER: IV SEM / II YEAR **SECTION: I** **ENROLLMENT NO.: .....**
MAX MARKS: 20 **TIME: 1.5 HOURS**

Q. No.	Questions	Marks	CO	BL	PO
	PART –A (ATTEMPT ANY TWO QUESTIONS)				
1.	Define(any four) : a) Specific Surface ratio b) Volume –surface Mean Diameter c) Mixed particle size d) Surface Shape Factor e) Feret Diameter f) Martin Diameter	4	CO2.4.2.1	L1	5,9
2.	Obtain the expression for screen effectiveness	4	CO2.4.2.1	L2	5,9
3.	Size analysis was carried out on a sample of gravel. The data for mass fraction (x_i) and average particle Diameter (D_{pi}) of the fraction is given in the table below: Mass fraction (x_i) / Diameter (D_{pi}) in mm 0.2 / 5 0.4 / 10 0.6 / 13 0.8 / 20 Find: a) Volume surface mean diameter b) Mass mean diameter c) Volume mean diameter	4	CO2.4.2.1	L3	5,9
	PART –B (ATTEMPT ANY TWO QUESTIONS)				
4.	Explain the working of Jaw Crusher and its type with neat diagram	4	CO2.4.2.2	L2	1,5
5.	A certain crusher accepts a feed material having a volume surface mean diameter of 19 mm and gives product of a volume surface mean diameter of 5 mm. The power required to crush 15 tones per hour is 7.5kW. What will be the power consumption if the capacity is reduced to 12 tones per hour?	4	CO2.4.2.2	L4	1,5
6.	A material is crushed in a Blake jaw crusher such that the average size of particle is reduced from 50mm to 10mm with consumption of energy 13 kW/(kg/s) what would be the consumption of energy needed to crush the same material of average size 75mm to an average size of 25mm if Kick's law is applied	4	CO2.4.2.2	L1	1,5
	PART –C (ATTEMPT ANY ONE QUESTION)				
7.	What is agitator? Describe its types in details	4	CO2.4.2.3	L1	1,4,7,12
8.	Draw and explain the working of any one Mixer.	4	CO2.4.2.3	L2	1,4,7,12

10. Sample MST Copies

S. No.	Session	Particular	Branch/Sem	Sub. Code
1.	Jan-June 2023	MST	IT/VI	IT - 603
2.	July- Dec 2022	MST	CS/VII	CS-701

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IIST IIP IIMR 46182

INSTITUTE : IIST ☐ IIP ☑ IIMR ☐	INST. CODE :	Course : B.Tech	DATE : 19/04/23
EXAM : MST-I ☐ II ☑ III ☐ THEORY ☐ PRACTICAL ☐		SESSION:(Odd/Even) 20.22..20.23	
NAME : Rishabh Rathore		ENROLLMENT 0818IT201055	
BRANCH : IT	YEAR: 3rd	SEMESTER: 6th	SECTION :
SUB. NAME : Embedded System.		SUBJECT CODE : IT 603	
MAX. MARKS : 24	MARKS OBTAINED : 14	IN WORDS : one four	
NAME & SIGN. INVIGILATOR / INTERNAL		NAME & SIGN. VALUER/EXTERNAL	

Q.NO.	1		2		3		4		5		6		7		8	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
MARKS																

NOTE : Start Writing From Here

Q1 The Timer / Counter Function of 8051 microcontroller

the 8051 microcontroller is the based on 8bytes. it the designed to control the time and counter the then to managed the function in the system.

The timer work is a such a manner in the system which used to calculate the interval in the system so the when the number of more than one task is coming in the system it used to work to mange the time of inter of the such tasks, and mange the desire of the task.

Seen & Satisfied

IST Indore Institute of Science & Technology | IIP Indore Institute of Pharmacy | IMR Indore Institute of Management & Research

25119

INSTITUTE : IIST ✓ IIP ☐ IIMR ☐ INST. CODE : Course : B.Tech DATE : 13/10/22

EXAM : MST-I ☐ II ✓ III ☐ THEORY ☐ PRACTICAL ☐ SESSION : (Odd/Even) 20.....20.....

NAME : Charu Paldas ENROLLMENT : 0818CS191044

BRANCH : CSE YEAR : 4th SEMESTER : VII SECTION : G1

SUB. NAME : Software Architecture SUBJECT CODE : CS701

Q.NO.	1		2		3		4		5		6		7		8	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
MARKS																

MAX. MARKS : MARKS OBTAINED : 18 INWORDS :

NAME & SIGN. INVIGILATOR / INTERNAL

NAME & SIGN. VALUER/EXTERNAL

NOTE : Start Writing From Here

Part A

1. UML stands for unified modelling langua
It is a pictorial representation or language
It forms or is important for software
requirement analysis for software develop
life cycle. It makes the requirement analysis
process easier as it clarifies the
software architecture. By UML diagrams
one can easily understand the working
a software. It is required in documentati
form whenever a software has to be
created. It simplifies the working of design
a software. Everywhere whenever a soft
has to be

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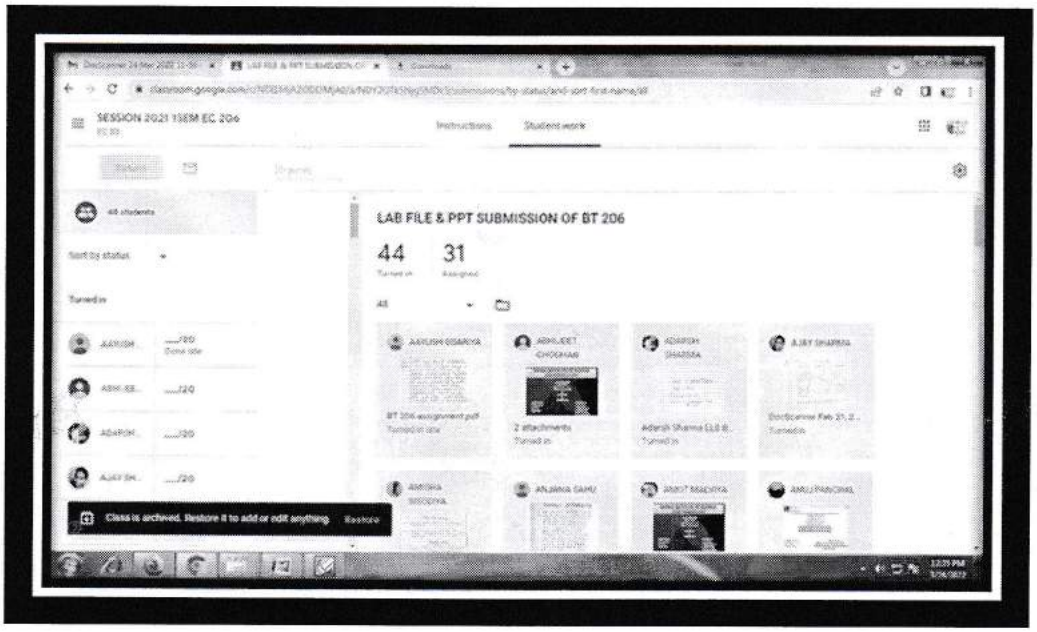
11. Lab File Submission and Group wise PPT Submission for Book Review



12. Lab File Submission

13. Rubrics

RUBRIC FOR PROJECTS RUBRIC#1: FIRST REVIEW (EVALUATION) (100 MARKS)

S.No	Rubrics	Excellent (19-20)	Good (17-18)	Average (15-16)	Partially Acceptable (13-14)	Poor (10-12)	Remarks
1	Attendance (20M)	90-100% attendance in all Project Classes.	80- 90% attendance in all Project Classes.	70-80% attendance in all Project Classes.	60-70% attendance in all Project Classes.	Below 60% attendance in all Project Classes.	
2	Teamwork (20M)	The team worked well together for Literature Survey, Guide Reporting and had excellent Communication during Presentation. Involved well in Problem Formulation and associated objective.	The team worked together most of the times for Literature Survey, Guide Reporting and had Good Communication during Presentation. Involved well in Problem Formulation and associated objective.	The team worked together with many instances of Occurrences in Literature Survey, Guide Reporting and had little breakdown in Communication during Presentation. Involved Satisfactorily in Problem Formulation and associated objective.	The team worked very rarely but few worked Independently well in Literature Survey ,Guide Reporting and had weak Communication during Presentation. Involved less in Problem Formulation and associated Objective.	The team worked well together rarely and Unsatisfactorily for Literature Survey, Guide Reporting and had weak communication during Presentation Poor involvement in Problem Formulation and associated objective.	
3	Literature Survey (20M)	Literature survey is appropriate and sufficient detail is provided to formulate a project problem and associated objectives.	Literature survey is appropriate, but brief detail is provided to formulate a project problem and associated objectives.	Literature survey is brief and partial detail is provided to formulate a project problem and associated objectives.	Literature survey is incomplete and includes a very less detail is provided to formulate a project problem and associated objectives.	No Literature survey and detail is provided to formulate a project problem and associated objectives.	
4	Guide Reporting (20M)	Attended the classes and discussed the projects with Guide Regularly and reported timely.	Attended the classes and discussed the projects with Guide Satisfactorily and timely	Attended average no. of classes and had little less interaction with Guides timely.	Attendeded Acceptable classes and had less satisfactorily reporting and Interaction with guide timely	Attended Less class and discussed the projects with Guide Unsatisfactorily.	
5	Overall Presentation (20M)	Excellent Communication Skill and able to present their associated objective very well.	Good Communication Skill and able to present their associated objective satisfactorily.	Good Communication Skill and presented their associated objective satisfactorily with minimum breakdown in explanations.	Weak Communication Skill and presented their associated objective Less satisfactorily with minimum breakdown in explanations	Weak Communication Skill and presented their associated objective Unsatisfactorily with frequent breakdown in explanations.	

RUBRIC#2: FINAL REVIEW /END TERM (200 MARKS)

S.No	Rubrics	Excellent (19-20)	Good (17-18)	Average (15-16)	Partially Acceptable (13-14)	Poor (10-12)	Remarks
1	Innovation in the project (20M)	Excellent and challenging project with new ideas that could be beneficial for Global innovation.	Good and Challenging Projects with ideas that are already given but with a new outlook for Global Innovation.	Average projects with less challenge and could be beneficial for global and Individual growth.	Satisfactory projects that are partially acceptable with less challenges, but would improve the of Individual Growth.	Less Satisfactory projects that are partially acceptable, but would improve the of Individual Growth.	
2	Literature Survey (20M)	Literature survey is appropriate and sufficient detail is provided to formulate a project problem and associated objectives.	Literature survey is appropriate, but brief detail is provided to formulate a project problem and associated objectives.	Literature survey is brief and partial detail is provided to formulate a project problem and associated objectives.	Literature survey is incomplete and includes a very less detail is provided to formulate a project problem and associated objectives.	No Literature survey and detail is provided to formulate a project problem and associated objectives.	
3	Problem formulation (20M)	Problem Formulation is appropriate and well defined based on literature survey and Project study.	Problem Formulation is less appropriate but well defined based on literature survey and Project study.	Problem Formulation is less appropriate and not clearly defined based on literature survey and Project study.	Problem Formulation is not appropriate and not clearly defined based on literature survey and Project study.	No Problem Formulation is neither provided nor defined based on literature survey and Project study.	
4	Theoretical modeling/ Experimental observation /Design (20M)	The various steps to achieve the objectives of the project are formed and clearly explained. The Theoretical Model / Design explained the methodology is explicit	The various steps to achieve the objectives of the project are formed and clearly explained. The Theoretical Model/ Design explained the methodology is not explicit.	The various steps to achieve the objectives of the project are formed but not clearly explained. The Theoretical Model/ Design explained the methodology is not explicit.	The various steps to achieve the objectives of the project are poorly formed and not explained properly. The Theoretical Model/ Design explained the methodology is not explicit	The various steps to achieve the objectives of Theoretical Model/ Design are neither formed nor explained properly.	
5	Organization of the project report as per the guidelines (20M)	Organized the project report very well and concerned the guide regularly from time to time.	Organized the project report surely and concerned the guide at frequently from time to time.	Organized the project report Satisfactorily and concerned the guide less frequently from time to time.	Organized the project report Satisfactorily and concerned the guide at few instants from time to time.	Organized the project report Satisfactorily and concerned the guide at very few instants from time to time.	
6	Summarizes the ultimate findings of the Project (20M)	It includes all of the following: 1.Compilation of Literature. 2.Rough sketches, calculations, observations etc. 3.Rough chapters of project report	It includes most of the following: 1.Compilation of Literature. 2.Rough sketches, calculations, observations etc. 3.Rough chapters of project report	It includes some of the following: 1.Compilation of Literature. 2.Rough sketches, calculations, observations etc. 3.Rough chapters of project report	It includes a very few of the following: 1.Compilation of Literature. 2.Rough sketches, calculations, observations etc. 3.Rough chapters of project report	It includes none of the following: 1.Compilation of Literature. 2.Rough sketches, calculations, observations etc. 3.Rough chapters of project report	

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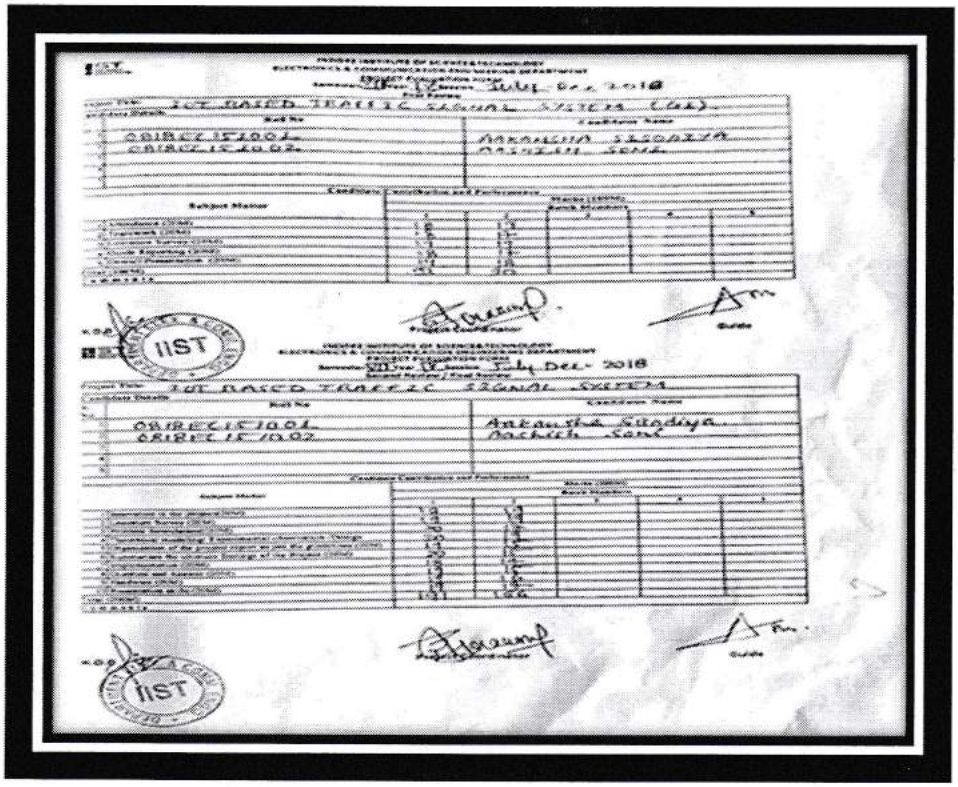
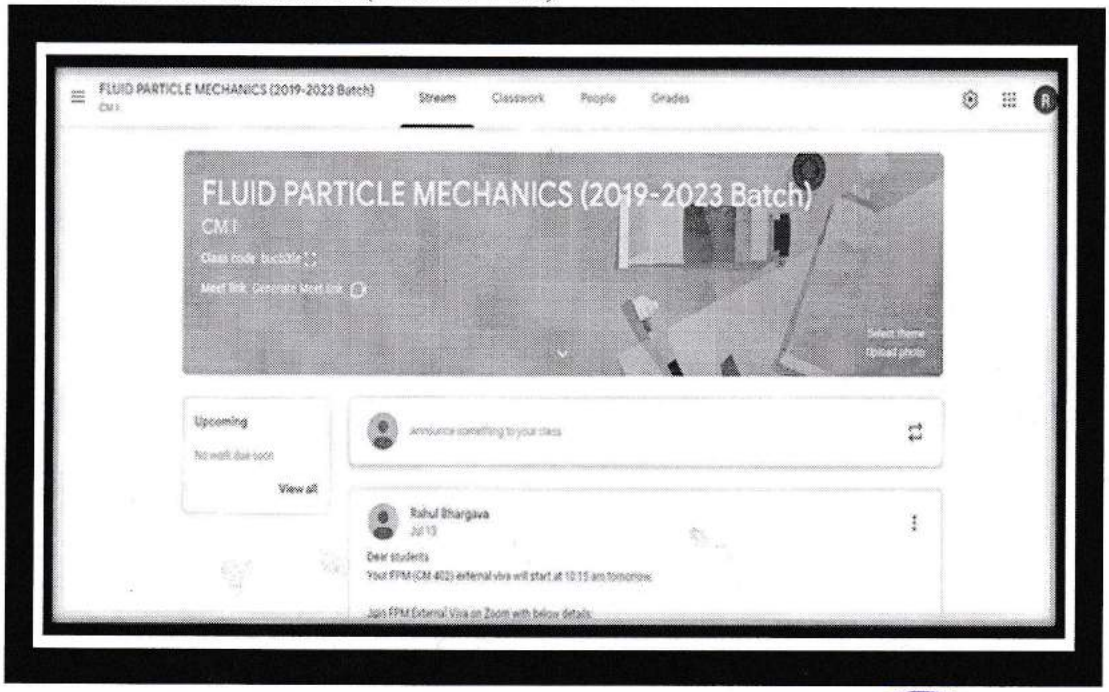


External Evaluation

1. Fluid Particle Mechanics (External Viva)



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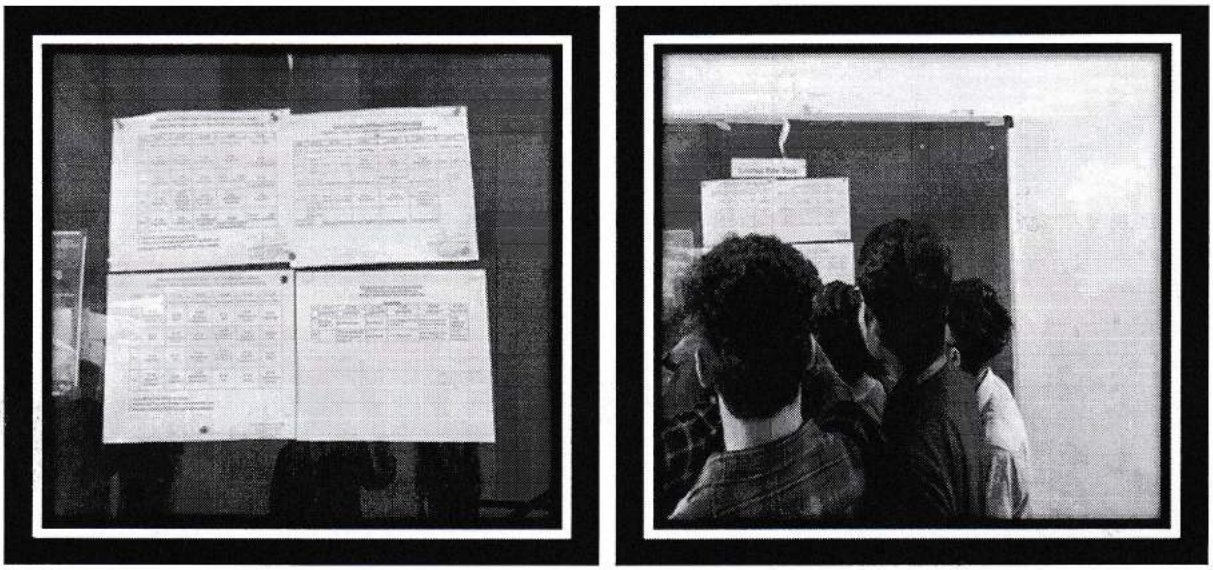
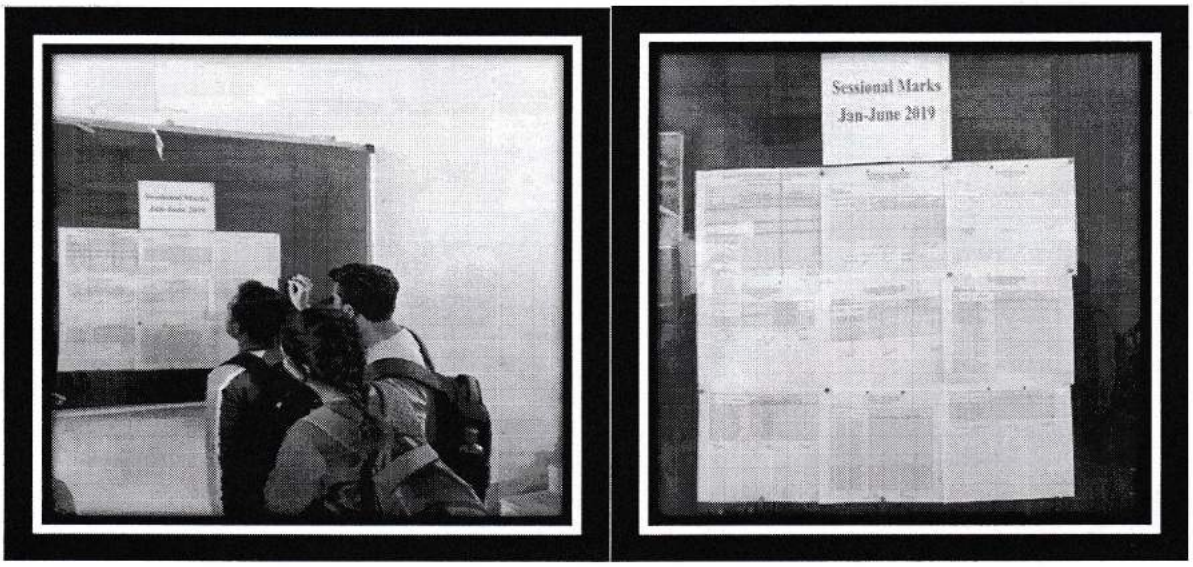
Display of External / Internal Timetable on Notice Board



Display of External Exam Timetable on Notice Board

University Notice for display internal marks.



Internal Marks display on Notice Board

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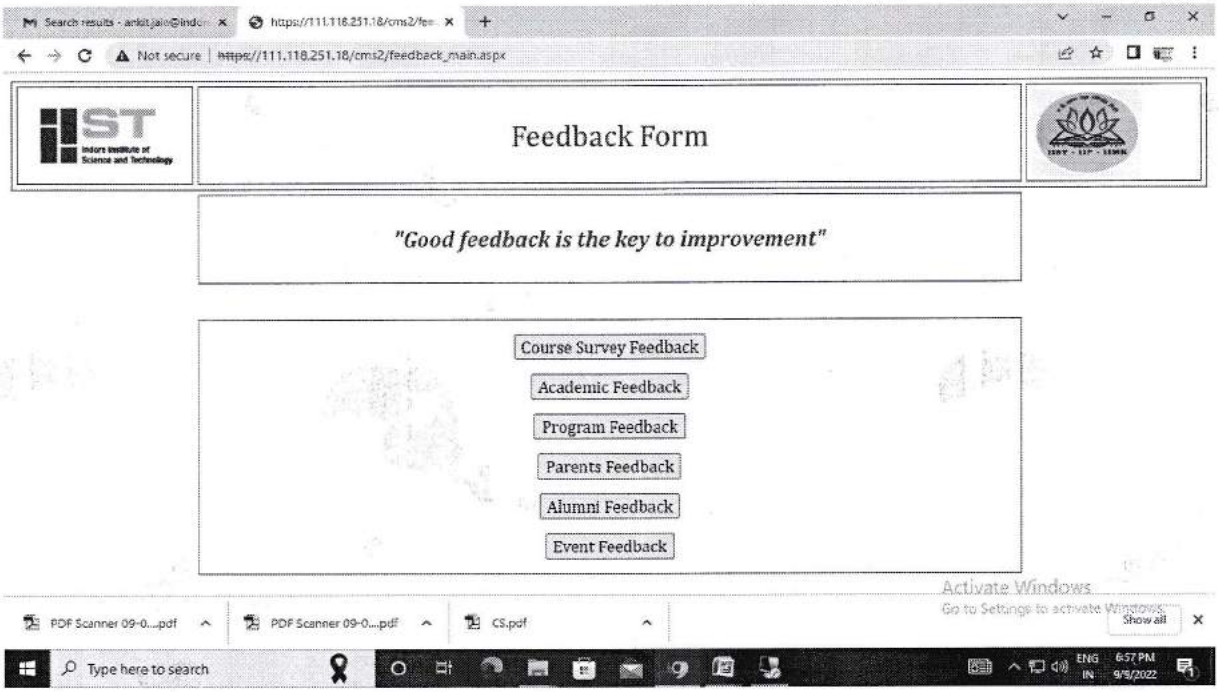
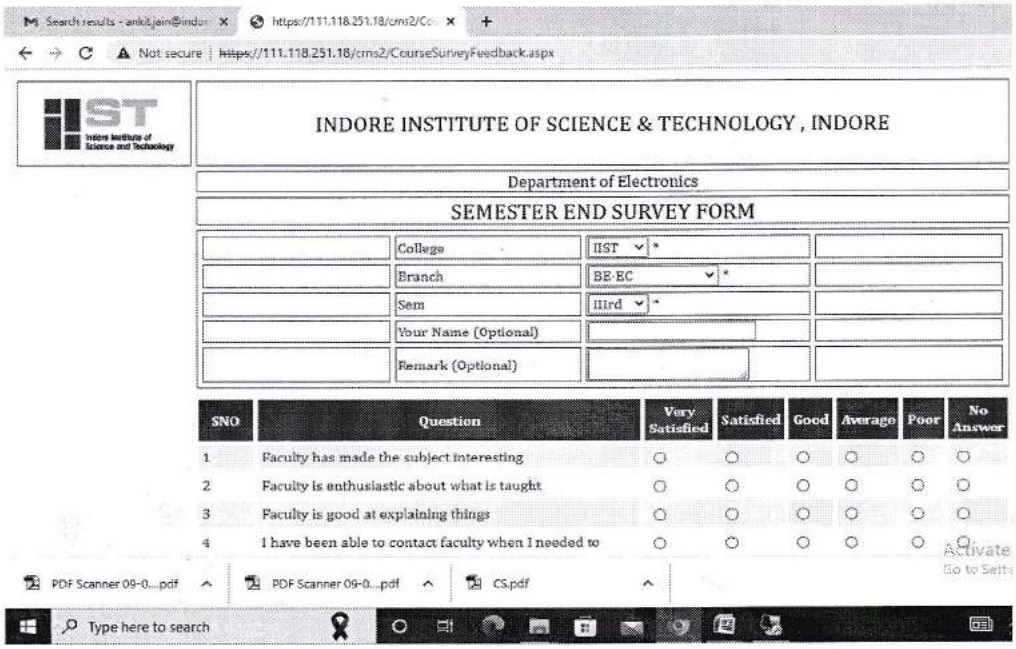
Various Type of Feedback System @ IIST



Semester / Course End Survey



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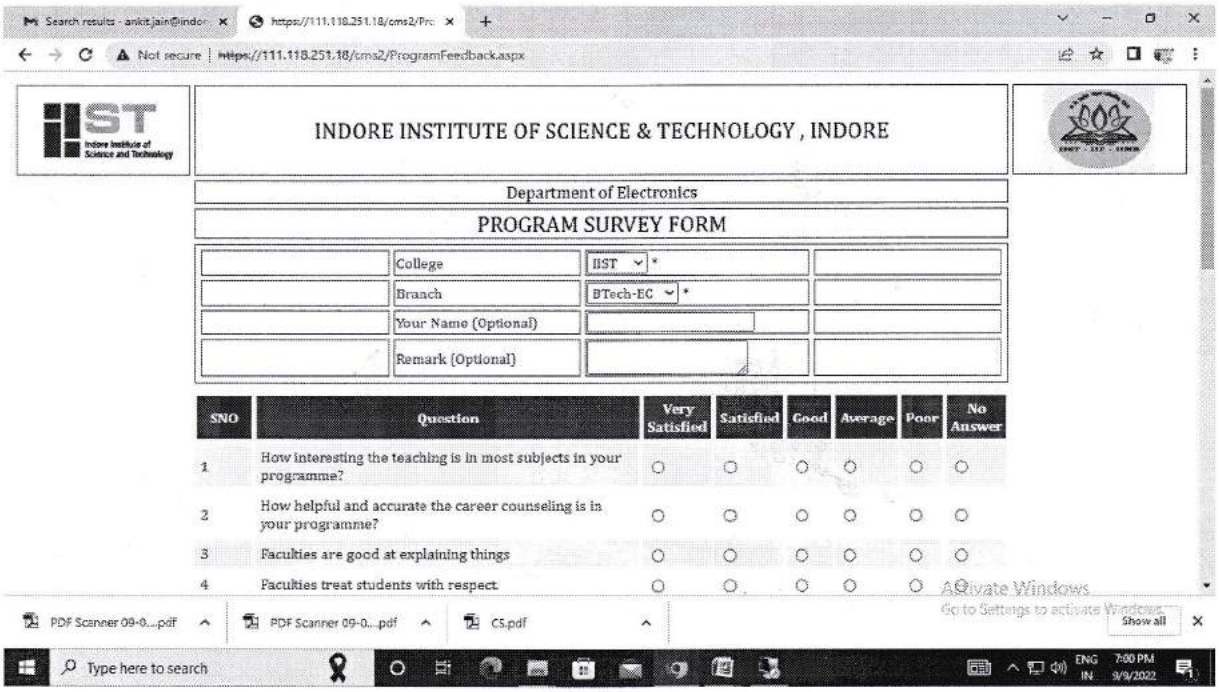
Program End Survey



INDORE INSTITUTE OF SCIENCE & TECHNOLOGY , INDORE

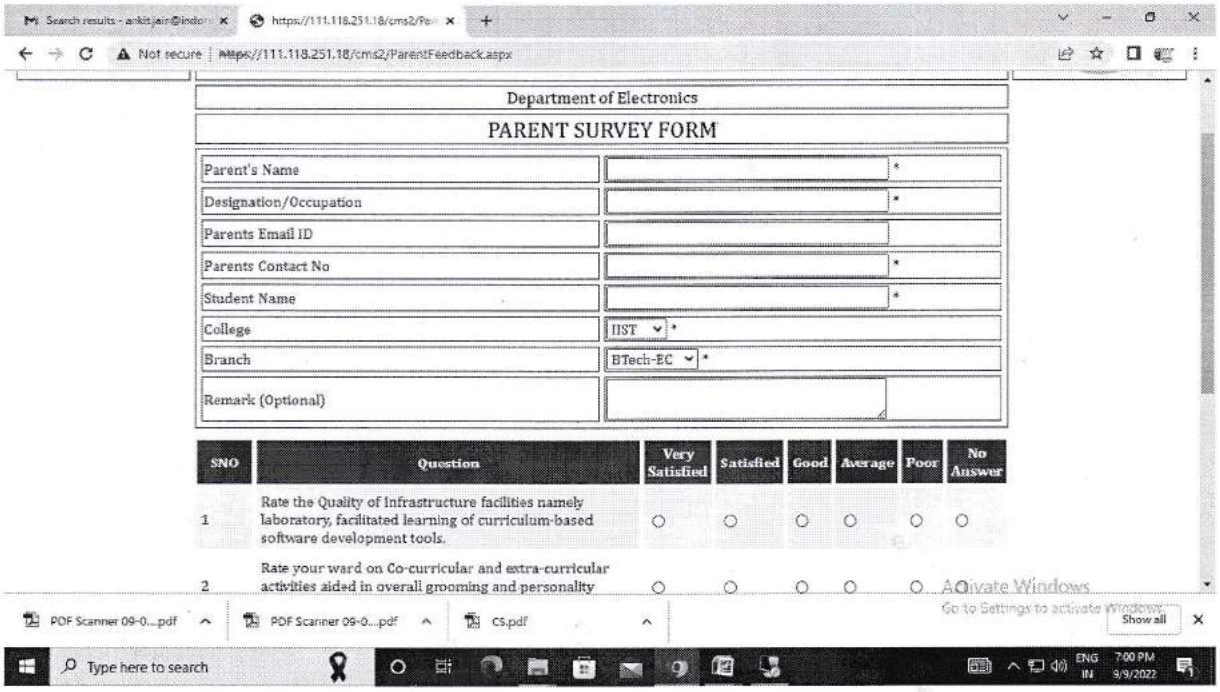
Department of Electronics

PROGRAM SURVEY FORM

	College	IIST *	
	Branch	BTech-EC *	
	Your Name (Optional)		
	Remark (Optional)		

SNO	Question	Very Satisfied	Satisfied	Good	Average	Poor	No Answer
1	How interesting the teaching is in most subjects in your programme?	○	○	○	○	○	○
2	How helpful and accurate the career counseling is in your programme?	○	○	○	○	○	○
3	Faculties are good at explaining things	○	○	○	○	○	○
4	Faculties treat students with respect	○	○	○	○	○	○

Parents Feedback



Department of Electronics

PARENT SURVEY FORM

Parent's Name		*
Designation/Occupation		*
Parents Email ID		
Parents Contact No		*
Student Name		*
College	IIST *	
Branch	BTech-EC *	
Remark (Optional)		

SNO	Question	Very Satisfied	Satisfied	Good	Average	Poor	No Answer
1	Rate the Quality of Infrastructure facilities namely laboratory, facilitated learning of curriculum-based software development tools.	○	○	○	○	○	○
2	Rate your ward on Co-curricular and extra-curricular activities aided in overall grooming and personality	○	○	○	○	○	○

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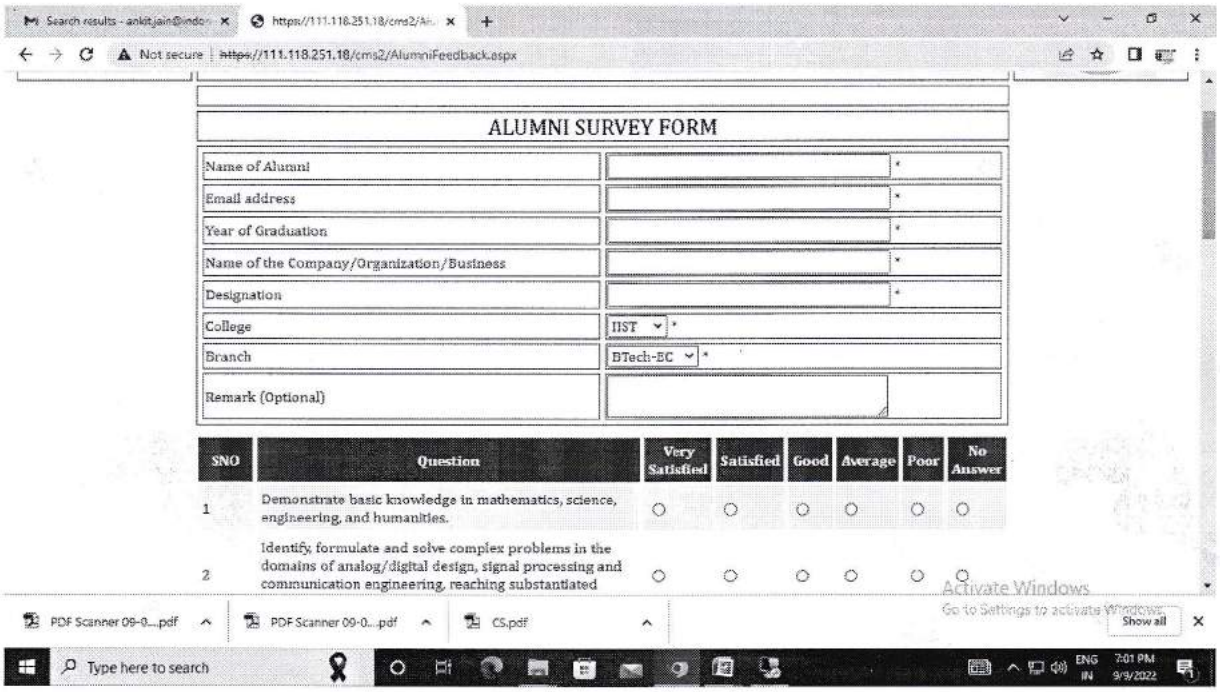
Alumni Feedback

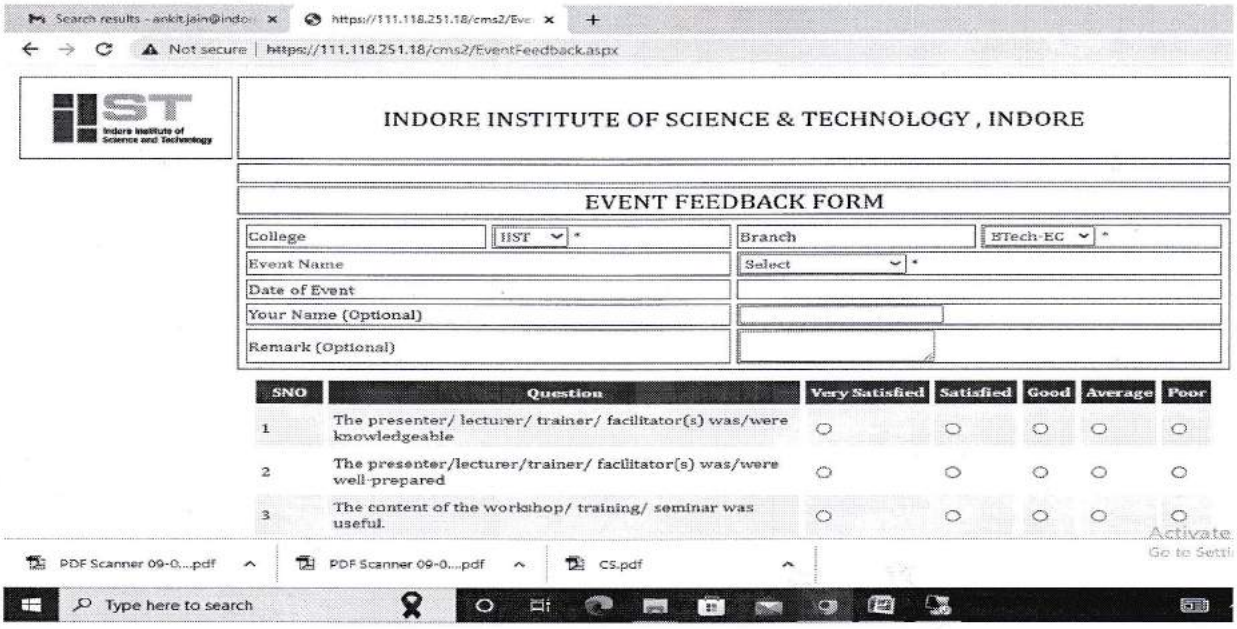


ALUMNI SURVEY FORM

Name of Alumni	*
Email address	*
Year of Graduation	*
Name of the Company/Organization/Business	*
Designation	*
College	IIST *
Branch	BTech-EC *
Remark (Optional)	

SNO	Question	Very Satisfied	Satisfied	Good	Average	Poor	No Answer
1	Demonstrate basic knowledge in mathematics, science, engineering, and humanities.	○	○	○	○	○	○
2	Identify, formulate and solve complex problems in the domains of analog/digital design, signal processing and communication engineering, reaching substantiated	○	○	○	○	○	○

Event Feedback



INDORE INSTITUTE OF SCIENCE & TECHNOLOGY , INDORE

EVENT FEEDBACK FORM

College	IIST *	Branch	BTech-EC *
Event Name		Select *	
Date of Event			
Your Name (Optional)			
Remark (Optional)			

SNO	Question	Very Satisfied	Satisfied	Good	Average	Poor
1	The presenter/ lecturer/ trainer/ facilitator(s) was/were knowledgeable	○	○	○	○	○
2	The presenter/lecturer/trainer/ facilitator(s) was/were well-prepared	○	○	○	○	○
3	The content of the workshop/ training/ seminar was useful.	○	○	○	○	○

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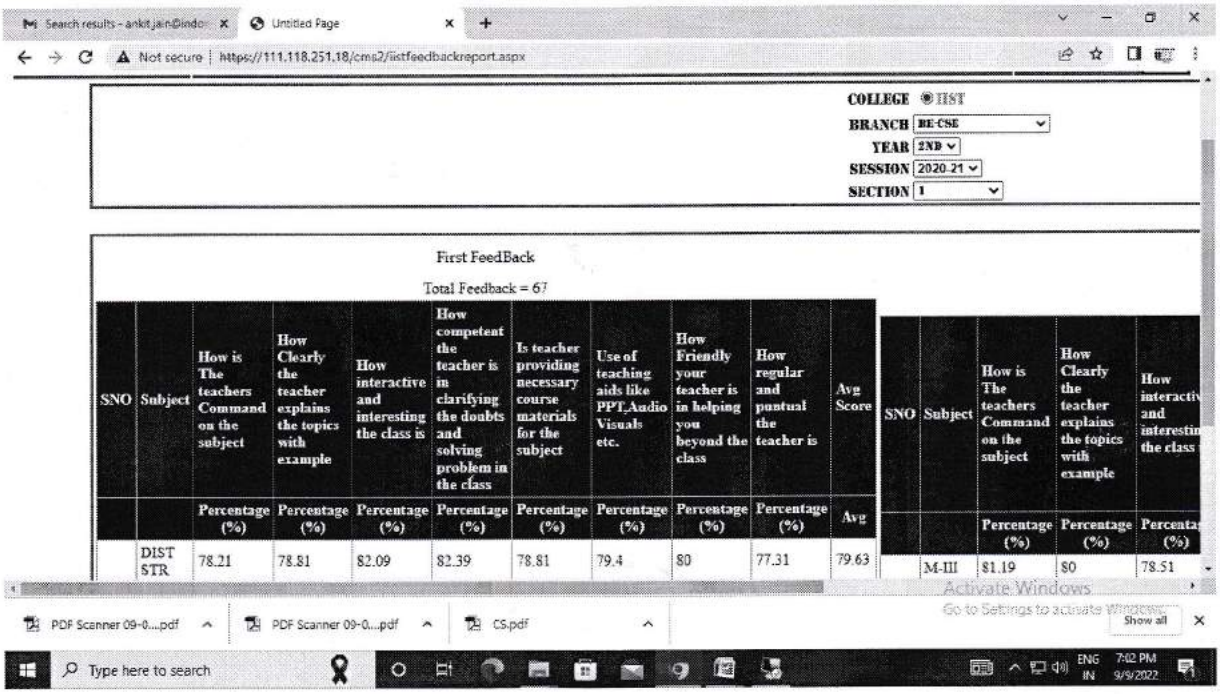
Academic Feedback



COLLEGE IIST
BRANCH BE-CSE
YEAR 2ND
SESSION 2020-21
SECTION 1

First FeedBack

Total Feedback = 67

SNO	Subject	How is The teachers Command on the subject	How Clearly the teacher explains the topics with example	How interactive and interesting the class is	How competent the teacher is in clarifying the doubts and solving problem in the class	Is teacher providing necessary course materials for the subject	Use of teaching aids like PPT,Audio Visuals etc.	How Friendly your teacher is in helping you beyond the class	How regular and puntual the teacher is	Avg Score
		Percentage (%)	Percentage (%)	Percentage (%)	Percentage (%)	Percentage (%)	Percentage (%)	Percentage (%)	Percentage (%)	Avg
	DIST STR	78.21	78.81	82.09	82.39	78.81	79.4	80	77.31	79.63

SNO	Subject	How is The teachers Command on the subject	How Clearly the teacher explains the topics with example	How interacti and interestin the class
		Percentage (%)	Percentage (%)	Percenta (%)
	M-III	81.19	80	78.51

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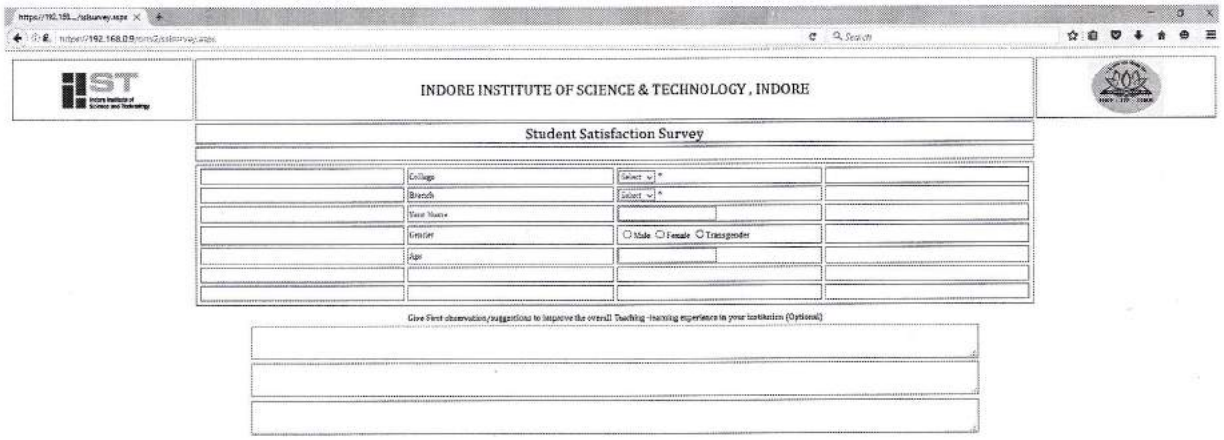
ENG IN 7:02 PM 9/9/2022

Students Satisfaction Survey



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Student Satisfaction Survey

College *
Branch *
Your Name
Gender ○ Male ○ Female ○ Transgender
Age

Give First observation/suggestions to improve the overall Teaching -learning experience in your institution (Optional)

Type here to search

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INDORE INSTITUTE OF SCIENCE & TECHNOLOGY

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Sample Result Analysis of CE

Sheet No.-1

Student Wise RGPV Result Analysis

Name of Institute: Indore Institute of Science & Technology
Name of Department: Civil Engineering
Course: B. Tech.
Branch: Civil Engineering
Semester: IV
Exam Duration: June-2023
Date of Results Declaration: 29/8/2023
Status: Regular
Batch: 2021

S. No.	Enrollment No.	Students Name	ES401 [T]	CE402 [T]	CE403 * [T]	CE404 [T]	CE405 [T]	CE402 [P]	CE403 [P]	CE404 [P]	CE405 [P]	CE406 [P]	SGPA	Overall CGPA	Status
1	0818CE211001	AABID HUSSAIN DAR	C	C+	B	C+	C+	A+	A	A+	A	A+	6.92	7.04	PASS
2	0818CE211002	AANAND VISHVKARMA	D	C	C+	C	D	B+	C+	B+	B+	B+	5.54	5.42	PASS
3	0818CE211003	AAYUSH DAWAR	D	C+	C	C	C	A	B	A	B+	A	5.83	5.91	PASS
4	0818CE211004	AAYUSH LOKHANDE	C+	A	B+	B+	B	A+	A	A	A+	A+	8.08	7.59	PASS
5	0818CE211005	ABHISHEK NARGAWE	C	B+	C	C+	B	A	B+	A	A	A	6.75	6.78	PASS
6	0818CE211006	AKSHAT GOLD	B	B+	B	B	B	A+	B+	A+	A	A-	7.75	7.46	PASS
7	0818CE211007	AMAN TAYDE	C	B	C	C+	C	B+	C+	B+	B	B+	6.04	6.01	PASS
8	0818CE211009	AVADH BIHARI PANDAY	C	B+	C+	C+	C+	A	C+	B+	A	B-	6.58	7.23	PASS
9	0818CE211011	BHAVESH PANDAGRE	C+	C+	D	C+	C+	B+	B	B+	B+	A	6.21	5.61	PASS
10	0818CE211013	HARDIK CHOUKSEY	Result for this Enrollment No. not Found (UFM CASE)												
11	0818CE211014	HARSH YADAV	C	B	B	B	C+	B+	B	B+	B+	A	6.83	6.8	PASS
12	0818CE211015	HEMANT SHARMA	C+	B+	A	B+	B	A-	A+	A+	A+	A-	8.28	7.97	PASS
13	0818CE211017	HIMANSHU MALVIYA	C-	B	B+	C+	C+	B-	B+	B+	A	B+	7	6.91	PASS
14	0818CE211018	JATIN KADAM	D	B	D	D	C	B	C	B	C	B	5.08	5.08	PASS
15	0818CE211019	JITURAJ AMGAARE	B	A	C+	B+	C+	A+	A	A+	A+	A+	7.83	7.69	PASS
16	0818CE211020	KESHAV PATEL	C	B	C	B	C+	A	C+	B+	A	B+	6.46	5.83	PASS
17	0818CE211023	RAJ HANVAT	C	C+	C	C	C	B+	C+	B+	B+	B+	5.79	5.62	PASS
18	0818CE211025	RAJU YADAV	F	C+	D	C	C+	A	B	A	A	A	5.17	5.32	Fail in ES401
19	0818CE211028	ROHIT AHIRWAR	Result for this Enrollment No. not Found (UFM CASE)												
20	0818CE211029	SAKSHAM PARDESHI	E	C+	B	F	C	B-	C+	B+	B	B	4.42	6.17	Fail in CE-404,ES401
21	0818CE211033	TANISHA PARWANI	B	A	B	A	B+	A-	A+	A+	A+	A+	8.46	8.48	PASS
22	0818CE223301	KAUSHAL S KUMAR	C+	B+	B+	F	C	A	B	B+	A	A	6.92	6.26	PASS

Faculty Wise RGPV Result Analysis

Name of Institute: Indore Institute of Science & Technology

Name of Department: Civil Engineering

Course: B. Tech.

Branch: Civil Engineering

Semester: IV

Exam Duration: June-2023

Date of Results Declaration: 29/8/2023

Status: Regular

Batch: 2021

S. No.	Name of Faculty Member	Subject Name	Subject Code	No. of Students Exam Appear	No. of Students Pass	Result Not Declared (RND)	Pass Percentage	Grade											Total
								A+	A	B+	B	C+	C	D	D#	D##	F	F (ABS)	
1	Ms. Poonam Bagora	Energy & Environmental Engineering	ES401	22	18		90.00%	0	0	0	3	5	7	3	0	0	2	0	20
2	Mr. Prashant Dubey	Construction Technology	CE402	22	20		100.00%	0	3	5	5	6	1		0	0	0	0	20
3	Mr. Shashank Agrawal	Structural Analysis-I	CE403	22	20		100.00%	0	1	3	5	3	5	3	0	0	0	0	20
4	Mr. Mahaveer Dangi	Transportation Engineering-I	CE404	22	19		95.00%	0	1	3	3	6	5	1	0	0	1	0	20
5	Mr. Anshul Pandey	Engineering Geology & Remote Sensing	CE405	22	20		100.00%	0	0	1	4	8	6	1	0	0	0	0	20

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RGPV Result Analysis

Sheet No.-3

Name of Institute: Indore Institute of Science & Technology

Name of Department: Civil Engineering

Course: B. Tech.

Branch: Civil Engineering

Semester: IV

Exam Duration: June-2023

Date of Results Declaration: 29/8/2023

Status: Regular

Batch: 2021

Total No. of Students Appeared Exam	20
Total No. of Students Pass	18
Pass Percentage	90.00%
No. of Students obtaining more then 7.5% CGPA	5
No. of Students in University Merit List	0
No. of Students I Division	11
No. of Students II Division	7

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Sample Result Analysis of EC

Indore Institute of Science and Technology Indore
Department of Electronics and Communication
Result Analysis [Jan-June 2023]

Year-IIIrd **Semester -VIth**

S.No.	Enrollment No.	Name	EC601- [T]	EC602- [T]	EC603- [T]	EC604 [T]	EC651- [P]	EC652- [P]	EC653- [P]	EC654- [P]	EC655- [P]	EC656- [P]	EC657- [P]	EC658- [P]	Result Det.	SGPA	CGPA
1	0818EC201028	JAY PANDEY	B	C+	B+	A	A+	A+	A+	A+	A+	A+	A+	A+	PASS	8.63	8.81
2	0818EC201029	KHUSHBOO MALVIYA	B+	C+	B	A	A+	A+	A-	A+	A+	A+	A+	A+	PASS	8.58	8.76
3	0818EC201030	KULDEEP SOLANKI	Def#	C	C+	C	B	B+	B	B+	B+	C	A+	C	PASS WITH GRACE	5.88	6.93
4	0818EC201031	NAINA VARMA	C+	C+	B	B+	A+	A	A	A	A	A	A	A	PASS	7.79	8.21
5	0818EC201033	NANDINI SONI	B	C+	B	B+	A+	A+	A	A+	A+	A	A+	A	PASS	8.08	8.33
6	0818EC201034	NEERAJ PATIL	B	B	B+	B	A	A+	A	A	A+	A+	A+	A+	PASS	8.25	8.15
7	0818EC201035	NIKITA TOMAR	B	B	B	A	A+	A+	A+	A+	A+	A	A+	B+	PASS	8.42	8.5
8	0818EC201036	NIKUNJ GIRI GOSWAMI	C	C	C+	B	B	B+	B+	A	A	A	A	C+	PASS	6.67	6.5
9	0818EC201038	PRAKHAR SOLANKI	C+	B	B	A	A	A+	B+	A	A	A	A+	B+	PASS	7.88	7.54
10	0818EC201039	PRIYA SHARMA	B	B	B	A	A+	A	A	A	A+	A+	A+	B	PASS	8.17	8.03
11	0818EC201040	RAHUL THAKUR	C+	C+	B	B+	A-	A	A	A	A	A	A	B+	PASS	7.71	7.59
12	0818EC201041	RASHIKA DIWEKAR	B	B	B+	A	A-	A+	A+	A+	A+	A+	A+	A+	PASS	8.75	8.52
13	0818EC201042	RITIKA DIWEKAR	B	B	B+	A	A-	A+	A+	A+	A+	A+	A+	A+	PASS	8.75	8.63
14	0818EC201044	SHABINA KHAN	C+	C+	B	B	A-	A	A	A	A+	A+	A+	B+	PASS	7.67	7.95
15	0818EC201045	SHARAD PRATAP SINGH BAIS	C+	C+	B	B	A	A+	B+	A	A+	A+	A	A	PASS	7.63	8.32
16	0818EC201047	SIDDHARTH RATHORE	C+	C	C+	C	B+	A	B+	A	B+	A	B+	A+	PASS	6.71	7.96
17	0818EC201048	SIMRAN RAJPUT	B+	B	B+	A	A+	A+	A+	A+	A+	A+	A+	A+	PASS	8.88	8.83
18	0818EC201049	SOMESH SHARMA	C+	C	C+	C+	A	A	A	A	B+	A	B+	B+	PASS	6.92	7.73
19	0818EC201050	SURAJ	F (ABS)	F (ABS)	F (ABS)	F (ABS)	F (ABS)	F (ABS)	F (ABS)	F (ABS)	F (ABS)	F (ABS)	F (ABS)	C	Fail in P-EC601,EC651,P-	0.42	3.91
20	0818EC201051	TANISHA SINGHAI	B+	B	B+	A	A+	A+	A+	A+	A+	A+	A+	A	PASS	8.79	8.27
21	0818EC201052	TANMAY SONI	B	C	B	B	B+	B+	B+	A	B+	A	B+	B+	PASS	7.29	7.48
22	0818EC201053	VAIBHAV SONGARA	F	C	C	C+	C	C	C+	A	C+	B	C	C	Fail in EC601	4.92	5.88
23	0818EC201054	VAIDIK SONI	C	C+	C+	C	A	A+	A	A	A	A	B	B	PASS	6.83	7.28
24	0818EC201055	VEDANT BORIWAR	C	C	C+	C+	A	A	B+	A	B+	A	B+	B+	PASS	6.79	6.67
25	0818EC201057	VISHAL KAUSHAL	B+	B	B	B+	A	A+	B+	A	A	A	B+	B+	PASS	7.96	7.8
26	0818EC201058	YASH RAGHUWANSHI	C	D	C+	C+	B+	B	B	B+	B+	B+	B+	B	PASS	6.21	6.97
27	0818EC201059	YOGITA PATEL	B+	B	B	A	A+	A+	A+	A+	A+	A+	A+	A+	PASS	8.71	8.81
28	0818EC213D03	SACHIN KOCHALE	C	C	C	C	B+	A+	B+	A	B+	A	A+	B+	PASS	6.46	6.13
29	0818EC213D04	SHREY KUMARI	B	B	B	B	A	A+	A	A	B+	A	A+	A	PASS	8	7.74
30	0818EC213D05	SONTAKKE RENUKA SATISH	B+	B+	B+	A	A+	A+	A+	A+	A+	A+	A+	A+	PASS	9	8.71
31	0818EC213D06	SONU SURYAVANSHI	F	C	C+	C+	A	A	A	A	A	A	A	B	Fail in EC601	6.21	6.65
32	0818EC201002	AASHUTOSH SHARMA	C+	C+	C+	C+	A	A	A	A	B+	A	B+	B+	PASS	7.04	7.7
33	0818EC201003	ABHAY NETAWAT	B	C	F	F	B+	B+	B+	B+	B+	B+	B+	B	Fail in EC603,EC604	4.75	6.33
34	0818EC201004	ABHISHEK PATIDAR	B+	C+	C+	B	A	A	A	A	B+	A	B+	A	PASS	7.54	7.45
35	0818EC201006	AMAN BHARDWAJ	B	B	B	B	A	A	A	A	B+	B+	B+	A+	PASS	7.67	7.96
36	0818EC201007	AMAN KUMAR	B	C	C+	C+	A	A	A	B+	B+	A	C+	C+	PASS	6.83	7.63
37	0818EC201008	AMIT SONI	C+	C	C+	F	B	C+	B	C+	B	A	B	B	Fail in EC604	5.5	6.69
38	0818EC201009	AMIT TIWARI	C+	B	B	B+	B+	B+	B+	B+	B+	A	C+	C+	PASS	7.42	7.25
39	0818EC201011	ANAND VERMA	B+	C+	C+	B+	B+	A	B+	A	B+	B+	B+	C+	PASS	7.29	8.1
40	0818EC201012	ANJALI PATIL	A	A	B+	B+	A+	A+	A	A	A	A	A	A+	PASS	8.83	8.38

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41	0818EC201013	ANUPAM ALERIYA	B+	C+	C+	B	B+	A	B+	A	A	PASS	7.5	7.62
42	0818EC201015	ASHISH RAGHUVANSHI	C+	C+	C+	D	A	A+	B+	A	A	PASS	6.83	6.65
43	0818EC201016	ATHARV VYAS	F	D	F	C	C+	C+	B	B+	C	Fail in EC601,EC603	4.13	6.41
44	0818EC201017	AYUSH MALVIYA	B	B	C+	B+	A	A	A	A+	A	PASS	7.96	7.55
45	0818EC201018	AYUSH SONI	B	B+	B	B+	A	A	B+	A+	A+	PASS	8.21	8.12
46	0818EC201019	DIPANSHU PATIDAR	F	C	D	D	B+	C	B	B	C	Fail in EC601	4.67	6.62
47	0818EC201020	DIPESH WAGHE	C	C+	C+	C	B+	B+	B+	A	C	PASS	6.42	7.36
48	0818EC201021	DIVYANSHU BHATI	B+	A	B+	B+	A+	A+	A+	A+	A+	PASS	8.96	9.1
49	0818EC201022	GAUTAM DAHALE	A	B	B+	B+	A	A	A+	A+	A	PASS	8.67	8.36
50	0818EC201023	GAUTAM PAWAR	C	C	C	C+	B+	A	B	B+	B+	PASS	6.33	7.33
51	0818EC201024	GITESH AHIRWAR	C	C	C+	C+	B+	A	B+	A	C+	PASS	6.58	7.05
52	0818EC201025	GOUTAM SHIVDE	C	C+	C	C	B	A	C+	A	C	PASS	6	6.92

S. No.	Subject Code	Subject	Name of Faculty	A+	A	B+	B	C+	C	D	D#	Fail	No. of students appeared	No. of students Pass	Passed percentage
1	EC601- [T]	DSP	Shravan kumar namdeo	0	2	10	14	11	9	0	1	4	52	47	90.38%
2	EC602- [T]	AWP	Amit kumar	0	2	2	15	15	15	2	0	0	52	51	98.08%
3	EC603- [T]	DATA COMM.	Pranav paranjape	0	0	10	16	18	4	1	0	2	52	49	94.23%
4	EC604- [T]	MES	Dr.Mukesh patidar	0	11	11	9	9	7	2	0	2	52	49	94.23%
5	EC601- [P]	DSP LAB	Shravan kumar namdeo	16	17	12	4	1	1	0	0	0	52	51	98.08%
6	EC602- [P]	AWP LAB	Amit kumar	20	19	7	1	2	2	0	0	0	52	51	98.08%
7	EC605- [P]	DATA COMM.LAB	Pranav paranjape	11	11	21	6	2	0	0	0	0	52	51	98.08%
8	EC606- [P]	MES LAB	Dr.Mukesh patidar	19	23	7	2	0	0	0	0	0	52	51	98.08%
9	EC608- [P]	MINOR PROJECT-2nd	Amit kumar/Nitin chouhan	12	10	12	6	5	7	0	0	0	52	52	100.00%

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ELECTRONICS AND COMMUNICATION ENGINEERING

Result Analysis Summary
Academic Session – Jan-June 2023

Admission Year	Course	Year	Semester	No. of Students Appeared	No. of Students Fail	No. of Students Passed	Passed %
IV	BTECH	IV	VIII	30	01	29	97%
III	BTECH	III	VI	52	02	50	96%
II	BTECH	II	IV	52	03	49	94%

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Semester summary of Result Analysis

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Sample Course File from First Year

IIST Indore Institute of Science and Technology	COURSE PLAN	2022-2023 Branch - IT Year -I Sem -II Section-A4	1

COURSE FILE: - ENGINEERING PHYSICS

Name of Faculty	**Dr. Amit jain**
Designation	**Assistant Professor**
Department	**ESH**
Course	**B. Tech**
Name of Programme	**B. Tech (IT)**
Subject	**Engineering Physics**
Subject Code	**BT-201**
Class (Year/Semester/ Section)	**I/II/A4 (IT)**
Academic Year and Term: (EVEN/ODD)	**2022-2023/EVEN**
Number of Students	**75**
Target	**70%**
Prerequisite	**Basics of semiconductor, quantum, absorption and emission of radiation**

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IIST Indore Institute of Science and Technology	COURSE PLAN	2022-2023 Branch - IT Year -I Sem -II Section-A4	4

The vision of the Institute is:
To be a nationally recognized institution of excellence in technical education and produce competent professionals capable of making valuable contribution to the society

The Mission of the Institute is:

- To promote academic growth by offering state-of-the-art undergraduate and postgraduate programmes.
- To undertake collaborative projects which offer opportunities for interaction with academia and industry.
- To develop intellectually capable human potential who are creative, ethical and gifted leaders.

The vision of the Information Technology department is:
To be a renowned department for imparting quality education, committed to cater the evolving IT industry requirements.

The Mission of the Information Technology department is:

- To provide best possible IT education to serve the current requirements of modern IT industry by keeping pace with the latest technical skills.
- To inculcate IT professionalism among the student by providing an atmosphere for continuous learning, research and innovation.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO's)

PEO 1. To provide students with a solid foundation in information technology skills, basic programming and algorithm designing fundamentals required to solve the computing problems.
PEO 2. To expose students to latest computing technologies and software tools, so that they can comprehend, analyze, design and create innovative projects and provide solutions for real-life problems.
PEO 3. To inculcate spirit of inquiry, team work skills, professional attitude, and ability to relate IT issues with social awareness that prepare them for immediate employment and for lifelong learning in IT field, which enable them to be successful entrepreneurs.

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IIST Indore Institute of Science and Technology	COURSE PLAN	2022-2023 Branch - IT Year -I Sem -II Section-A4	5

Programme Outcomes

PO 1 Apply the knowledge of mathematics, science and engineering fundamentals for the solution of IT problems.
PO 2 Ability to identify, formulate and analyze the complex engineering problems
PO 3 Ability to design and develop the computer based systems to meet desired needs within realistic constraints such as public health and safety, environmental, agriculture, economic and societal considerations
PO 4 Ability to demonstrate with excellent programming, analytical, logical and problem solving skills PO 5 Ability to use the emerging technologies, skills, and modern software tools to design, develop, test and debug the programs or software.
PO 6 Ability to include and solve the social, cultural, ethical issues with IT solutions.
PO 7 Ability to design and develop web based solutions with effective graphical user interface for the need of sustainable development.
PO 8 Apply ethical principles and commit to professional ethics and responsibilities and norms of the IT practices.
PO 9 Ability to work individually and as a member or leader in diverse teams to accomplish a common goal.
PO 10 Ability to communicate effectively in both verbal and written forms with engineering community and society
PO 11 Knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team to manage the software and IT based projects in multidisciplinary environments.
PO 12 Appreciation of technological change and the need for independent life-long learning

PROGRAM SPECIFIC OUTCOMES (PSO's)

A graduate of the Information Technology Program will demonstrate:

PSO 1: IT Specific Skills: The ability to identify, analyze and design solutions for complex engineering problems in multidisciplinary areas by understanding the core principles and concepts of IT and thereby engage in national grand challenges.

PSO 2: Programming and Software Development Skills: The ability to acquire programming efficiency by designing algorithms and applying standard practices in software project development to deliver quality software products meeting the demands of the industry.

PSO 3: Professional Skills: The ability to apply the fundamentals of IT in competitive research and to develop innovative products to meet the societal needs thereby evolving as an eminent researcher and entrepreneur.

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IIST Indore Institute of Science and Technology	COURSE PLAN	2022-2023 Branch - IT Year -I Sem -II Section-A4	6

Department of Engineering Science and Humanities	BT-201	Engineering Physics	Professional Core

Lecture	Tutorial	Lab	Total Hours
3	1	2	6

Module 1: Wave nature of particles and the Schrodinger equation (8 lectures)
Introduction to Quantum mechanics, Wave nature of Particles, operators, Time-dependent and time-independent Schrodinger equation for wave-function, Application: Particle in a one dimensional Box, Born interpretation, Free-particle wave-function and wave-packets, vg and vp relation Uncertainty principle.

Module 2: Wave optics (8 lectures)
Huygens' principle, superposition of waves and interference of light by wave front splitting and amplitude splitting; Young's double slit experiment, Newton's rings, Michelson interferometer, Mach-Zehnder interferometer.
Farunhofer diffraction from a single slit and a circular aperture, the Rayleigh criterion for limit of resolution and its application to vision; Diffraction gratings and their resolving power.

Module 3: Introduction to solids (8 lectures)
Free electron theory of metals, Fermi level of Intrinsic and extrinsic, density of states, Bloch's theorem for particles in a periodic potential, Kronig-Penney model(no derivation) and origin of energy bands. V-I characteristics of PN junction, Zener diode, Solar Cell, Hall Effect .

Module 4: Lasers (8 lectures)
Einstein's theory of matter radiation interaction and A and B coefficients; amplification of light by population inversion, different types of lasers: gas lasers (He-Ne, CO2), solid-state lasers(ruby, Neodymium),Properties of laser beams: mono-chromaticity, coherence, directionality and brightness, laser speckles, applications of lasers in science, engineering and medicine. Introduction to Optical fiber, acceptance angle and cone, Numerical aperture, V number, attenuation.

Module 5: Electrostatics in vacuum (8 lectures)
Calculation of electric field and electrostatic potential for a charge distribution; Electric displacement, Basic Introduction to Dielectrics, Gradient, Divergence and curl, Stokes' theorem, Gauss Theorem, Continuity equation for current densities; Maxwell's equation in vacuum and non-conducting medium; Poynting vector.

List of Experiment

1. To determine the dispersive power of prism.
2. To determine the λ of sodium light with the help of Newton's Ring.
3. Resolving Power of Telescope.
4. YDSE (Young's double slit Experiment).
5. To determine the λ of diode loses by single slit diffraction.

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6. To determine the prominent lines of mercury source by plane diffraction grating.
7. To determine the λ of sodium by using plane diffraction grating.
8. To determine λ of given laser by plane diffraction grating.
9. To determine the frequency of AC mains supply.
10. V-I Characteristics of P-N junction diode.
11. To determine the plank's constant with the help of photocell.
12. Hall's effect experiment.
13. Calibration of ammeter by using reference Zener diode.
14. To study the effect of temperature on reverse saturation current in P-N junction diode and to determine the energy band gap.
15. To determine the numerical aperture of an optical fiber.

COURSE DESCRIPTION

The course is about Introduction to Quantum mechanics, Wave nature of Particles, Time-dependent and time-independent Schrodinger equation for wave function and their Application, Uncertaintyprinciple; superposition of waves and interference of light by wave front splitting and amplitude splitting; Farunhofer diffraction , the Rayleigh, resolving power; Free electron theory of metals, Kronig-Penney model, origin of energy bands. V-I characteristics of PN junction, Zener diode, Solar Cell, Hall Effect; Einstein's theory of matter radiation interaction, amplification of light by population inversion, different types of lasers, Introduction to Optical fiber; Calculation of electric field and electrostatic potential for a charge distribution; Gradient, Divergence and curl, Stokes' theorem, Gauss Theorem, Maxwell's equation in vacuum and non-conducting medium and Poynting vector.

THEORY COURSE OBJECTIVES

a. To study the Quantum mechanics, Wave nature of Particles, Uncertainty principle, Schrodinger equation and their applications.
b. To introduce the interference in division of wave font and division of amplitude and Farunhofer diffraction.
c. To study the free electron theory of metals and semiconducting devices and their basic principles.
d. To study the basic principles of LASER light and application part of LASER light in fiber optics.
e. To introduces the electrostatics in vacuum, calculation of electric field and electrostatic potential.

THEORY COURSE OUTCOMES

CO1: Understanding of Wave nature of particles and the Schrodinger equation with their applications.
CO2: To understand the knowledge of Wave optics i.e. interference and diffraction.
CO3: Build basic concepts of semiconducting devices.
CO4: Develop the understanding of Lasers, fiber optics and their applications in field of engineering sciences.

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IIST Indore Institute of Science and Technology	COURSE PLAN	2022-2023	8
		Branch - IT Year -I Sem -II Section-A4	

CO5: Apply basic concept of electric field, electric potential, behavior of Scalar-vector electric and magnetic field.

COURSE OBJECTIVES	COURSE OUTCOMES
To study the Quantum mechanics, Wave nature of Particles, Uncertainty principle, Schrodinger equation and their applications.	Understanding of Wave nature of particles and the Schrodinger equation with their applications.
To introduce the interference in division of wave font and division of amplitude and Farunhofer diffraction.	To understand the knowledge of Wave optics i.e. interference and diffraction.
To study the free electron theory of metals and semiconducting devices and their basic principles.	Build basic concepts of semiconducting devices.
To study the basic principles of LASER light and application part of LASER light in fiber optics.	Develop the understanding of Lasers, fiber optics and their applications in field of engineering sciences.
To introduces the electrostatics in vacuum, calculation of electric field and electrostatic potential.	Apply basic concept of electric field, electric potential, behavior of Scalar-vector electric and magnetic field.

Note: For each of the OBJECTIVE indicate the appropriate OUTCOMES to be achieved.

LAB OBJECTIVES

a. Students are able to understand the basic principles of interference, diffraction and perform optical instruments.
b. Students are able to understand basics of electronics and semiconducting devices.
c. Students are able to know the use of optical fibers.

LAB OUTCOMES

a. Verify different properties of optics and optical instruments.
b. Verify characteristics curves and values of constant through semiconducting devices.
c. Find value of numerical aperture through optical fiber assembly.
d. Prepare a formal laboratory report based on the experimental Data and Graph.

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IIST Indore Institute of Science and Technology	COURSE PLAN	2022-2023	9
		Branch - IT Year -I Sem -II Section-A4	

Lab Outcomes	Lab Experiments
• Verify different properties of optics and optical instruments. • Prepare a formal laboratory report based on the experimental Data and Graph.	1. To determine the dispersive power of prism. 2. To determine the λ of sodium light with thehelp of Newton's Ring. 3. Resolving Power of Telescope. 4. YDSE (Young's double slit Experiment). 5. To determine the λ of diode loses by singleslit diffraction. 6. To determine the prominent lines of mercurysource by plane diffraction grating. 7. To determine the λ of sodium by using planediffraction grating. 8. To determine λ of given laser by plane diffraction grating.
• Verify characteristics curves and values of constant through semiconducting devices. • Prepare a formal laboratory report based on the experimental Data and Graph.	9. To determine the frequency of AC mainssupply. 10. V-I Characteristics of P-N junction diode. 11. To determine the plank's constant with thehelp of photocell. 12. Hall's effect experiment. 13. Calibration of ammeter by using referenceZener diode. 14. To study the effect of temperature on reverse saturation current in P-N junction diodeand to determine the energy band gap.
• Find value of numerical aperture through optical fiber assembly. • Prepare a formal laboratory report based on the experimental Data.	15. To determine the numerical aperture of anoptical fiber.

Relation between Lab Outcome and Theory Course Outcome

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IIST Indore Institute of Science and Technology	COURSE PLAN	2022-2023 Branch - IT Year -I Sem -II Section-A4	10

THEORY COURSE OUTCOMES	LAB OUTCOMES
Understanding of Wave nature of particles and the Schrodinger equation with their applications.	
To understand the knowledge of Wave optics i.e. interference and diffraction.	Verify different properties of optics and optical instruments. Prepare a formal laboratory report based on the experimental Data and Graph.
Build basic concepts of semiconducting devices.	Verify characteristics curves and values of constant through semiconducting devices. Prepare a formal laboratory report based on the experimental Data and Graph.
Develop the understanding of Lasers, fiber optics and their applications in field of engineering sciences.	Find value of numerical aperture through optical fiber assembly. Prepare a formal laboratory report based on the experimental Data.
Apply basic concept of electric field, electric potential, behavior of Scalar-vector electric and magnetic field.	

Course Articulation Matrix

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	1	-	-	-	-	-	-	-	-	-	2	-	-
CO2	2	1	1	-	-	-	-	-	-	-		-	1	-	-
CO3	2	2	2	-	-	-	-	-	-	-	-	-	1	-	-
CO4	2	1	1	-	-	-	-	-	-	-		-	1	-	-
CO5	2	1	1	-	-	-	-	-	-	-	-	-	1	-	-
CO Average	2.2	1.4	1.2	-	-	-	-	-	-	-		-	1.2	-	-

Mapping of Course outcomes to Program outcomes

EVALUATION COMPONENTS / SCHEME

Tools can be divided into two categories

- Direct Assessment
- Indirect Assessment

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IIST Indore Institute of Science and Technology	COURSE PLAN	2022-2023 Branch - IT Year -I Sem -II Section-A4	11

1. Direct Assessment

The UG program of the mechanical engineering department is credit based with continuous evaluation system. Evaluation is conducted by the subject teacher throughout the semester. Each subject contains four main components for evaluation:

- **Teacher Assessment:** In this component, Assignments, tutorials, problem solving, group discussions, quiz, etc are given and evaluated regularly.
- **Mid Semester Examination:** Two Mid semester examinations are conducted within semester after the start of Academic Session.
- **End semester Examination:** End semester examination is conducted at the end of semester. Complete syllabus is covered in this examination. Major Weight age of marks is given to this component.
- **Practical Courses:** In these courses, continuous evaluation is done through viva-voce, Lab report submission and laboratory quiz.

The weight age of components are given in the following table:

Subject Type	Assessment Components	Weight age (%)
Theory	Teacher Assessment	10 %
	Mid Semester Examination	20 %
	End Semester Examination	70 %
Lab / Project / Seminar	Lab Work and Sessional	20 %
	Lab Assignment/ MST and Quiz	20 %
	End Semester Examination	60 %

2. Indirect Assessment

Course Outcome Feedback: After the end of every semester, feedback is taken for individual subject.

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ASSESSMENT TOOLS OF COURSE OUTCOMES

Mode of Assessment	Assessment Tool	Description	Evaluation of Course Outcomes	Frequency of Assessment
Direct	Teacher Assessment (Assignment and Quiz)	Two assignment and Two Quiz are given for each courses for continuous assessment	The Question in the internal examination and assignment /quiz is mapped against COs of respective course. The question for two internal examination and assignment and quiz are framed in such a way to cover all course outcomes. The final attainment for each Cos under direct assessment is calculated by taking average.	**Continuous**
Direct	Mid Semester Examination	Two Mid semester examinations are conducted within semester. Each MST Cover 2.5 Units		**Twice in a Semester**
Direct	Lab Work and Sessional	Continuous evaluation is done through viva-voce, Lab report submission and laboratory quiz.	The Question in the internal Lab examination/ assignment /quiz is mapped against COs of respective course. The question for two internal examination/ assignment / quiz is framed in such a way to cover all course outcomes and experiment list. The final attainment for each Cos under direct assessment is calculated by taking average.	**Continuous**
Direct	Lab Assignment / MST and Quiz			**Twice in a Semester**
Indirect	**Course Outcome Feedback**	After the end of every semester, feedback is taken for individual subject.		**End of Semester**

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IIST Indore Institute of Science and Technology	COURSE PLAN	2022-2023	13
		Branch - IT Year -I Sem -II Section-A4	

27/09/2022

RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA
(University of Technology of Madhya Pradesh)
ACADEMIC CALENDAR FOR THE YEAR 2022-2023 [REVISED]
FOR DEGREE PROGRAMMES AND POST GRADUATE PROGRAMMES

S.No.	Particular	1st Semester Schedule	IInd Semester Schedule
01.	Duration of Semester	July-December 2022	January-June 2023
02.	Commencement of Academic	17th October 2022	17th March 2023
03.	Student Induction Program (SIP) 21 Days Undergraduate	17th October 2022	---
04.	I Sessional Exam/Mid/Sem.	26th to 31st December 2022	17th April - 22nd April 2023
05.	II Sessional Exam/Mid/Sem.	02nd Jan. - 07th Feb. 2023	15th May - 20th May 2023
06.	Submission of Examination Form i. Without Late fee ii. With Late fee	30th Jan. - 03rd Feb. 2023 06 - 09 February 2023	10th June - 21st June 2023 22nd June - 27th June 2023
07.	Last date of Teaching	03rd February 2023	22nd June 2023
08.	Submission of internal marks to University	Upto 25th February 2023	29th May - 3rd June 2023
09.	End Semester Examination (i) Theory (ii) Practical Examination	14 - 25 February 2023 28 Feb. - 11 May 2023	28th June - 12th July 2023 13th July - 15th July 2023
10.	Internship/End Sem. Break	---	17th July - 31st July 2023
11.	Date of Result Declaration	End of March 2023	End of August 2023

Note:

- During Mid Semester Examination, classes in the remaining periods will be conducted as per schedule.
- Depending upon monthly progress of syllabus extra classes would be organized by department during official holidays.
- III Mid Semester examination is optional. Students intending to appear in the III Mid Semester exam will contact their respective HODs for the examination.
- In case of late admission of lateral admission students, the institutions are advised to conduct extra classes to complete the syllabus within stipulated time.
- Winter vacation applicable for students only.

Controller (Exam)
Rajiv Gandhi Proudyogiki
Vishwavidyalaya, Bhopal

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Academic Calendar of 2022-23 (Session: Jan. - June 2023)

January

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

February

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

March

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

April

Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

May

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

June

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Events (Tentative)

For Degree Programmes – BE/B. Tech.

Commencement of Classes

1st Year - 2nd Sem. - 13th March 2023* 2nd Year - 4th Sem. – 13th Feb., 2023*
3rd Year - 6th Sem. - 02nd Jan., 2023* 4th Year - 8th Sem. - 02nd Jan., 2023*

Last date for Semester Registration

2nd Sem. - 20th March 2023* 4th Sem. - 20th Feb., 2023*
6th Sem. - 09th Jan. 2023* 8th Sem. - 09th Jan. 2023*

Attendance

Display of 1st short attendance list intimation to Parents
After 30 days from the Commencement of Classes
Display of 2nd short attendance list intimation to Parents
After 60 days from the Commencement of Classes

Internal Assessment - Centralized MST-I — **Display of Result**

2nd Sem. (Theory & Practical) - 05th – 11th April 2023* — 17th April 2023*
4th Sem. (Theory & Practical) - 01st – 06th March 2023* — 11th March 2023*
6th & 8th Sem. (Theory & Practical) - 13th – 17th Feb., 2023* — 24th Feb., 2023*

Centralized MST-II — **Display of Result**

2nd Sem. (Theory Exam) - 22nd – 27th May 2023* — 02nd June 2023*
4th Sem. (Theory Exam) - 03rd – 08th April 2023* — 14th April 2023*
6th & 8th Sem. (Theory Exam) - 20th – 24th March 2023* — 31st March 2023*
Class Test/Quizzes to be conducted before each MST

Submission of Mid Semester & Sessional Marks to University

4th Sem. - 06th – 12th May 2023* 6th & 8th Sem. - 20th – 26th April 2023*

Submission of 2nd Sem. internal marks to University – Up to 08th July 2023*

Submission of Practical marks to University – On the date of Practical Exam.

Event (Extra Curriculum & Sports activities)

Institute level (Inter Branch) Sports activity — March 2023 *
Tech-Fest & Cutural events — March 2023*

End of Teaching

2nd Sem. – 6th July, 4th Sem. - 05th May and 6th & 8th Sem. - 20th April 2023*

University Exam	Theory Examination	Practical Examination
2nd Sem.	11th – 21st July 2023*	22nd - 28th July 2023*
4th Sem.	13th – 25th May 2023*	26th - 31st May 2023*
6th & 8th Sem.	27th April – 26th May 2023*	21st – 31st May 2023*

***Dates are subjected to change as per University guidelines & schedule.**
Two Industry visit & Two Expert lectures for each department is mandatory.
Sports Activity. On all working Saturday & RGPV Sports Activities will be as per University Sports Calendar.

List of Holidays for the session (Jan. to June - 2023)

New Year	01/01/2023	Mahavir Jayanti	04/04/2023	Local holiday as per notified by District Administration
Republic Day	26/01/2023	Good Friday	07/04/2023	
Sant Ravidas Jayanti	05/02/2023	Dr. Ambedkar Jayanti	14/04/2023	
Maha Shivratri	18/02/2023	Parshuram Jayanti	22/04/2023	
Holi	08/03/2023	Buddha Purnima	05/05/2023	
Gudi Padwa	22/03/2023	Bhramananda punyatithi	09/06/2023	

Dr. Keshav Patidar
Principal

Shri Arun S Bhatnagar

INDORE INSTITUTE OF SCIENCE & TECHNOLOGY

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IIST Indore Institute of Science and Technology	COURSE PLAN	2022-2023 Branch - IT Year -I Sem -II Section-A4	15

INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY **WEF 05/04/2021**

SECTION:A-4(IT) **BE-I YEAR/II SEM SESSION- 2020-2021**

INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY WEF 27/03/2023

SECTION:A4(IT) B.Tech-I YEAR/II SEM

SESSION 2022-23 ROOM NO:28

DAY/TIME	9:10-10:10am	10:10-11:00am	11:00-11:50am	11:50-12:30pm	12:30-1:20pm	1:20-2:10pm	2:10-3:00pm	3:00-3:50pm
MON	L BT-202 AA	BT-203(T)/BT-204(T)		B R E A K	L BT-205 PD	L BT-204 NS	L BT-202 AA	L BT-201 AJ
TUE	L BT-201 AJ	BT-201(T)/BT-205(T)(Lab - 3) (C Block			L BT-204 NS	L BT-204 NS	BT-206(P)(I)	
WED	BT-201 AJ	L BT-205 PD	L BT-203 LA		L BT-202 AA	L BT-203 LA	L BT-203 LA	Sports/Library
THU	L BT-202 AA	L BT-204 NS	L BT-203 LA		L BT-204 NS	L BT-205 PD	L BT-201 AJ	T BT-202 JG
FRI	-201(P)/BT-205(P)(Lab -2) (C-Blo		L BT-203 LA		L BT-204 NS	L BT-205 PD	BT-203(P)/BT-204(P)	

S.NO.	SUB. CODE	SUBJECT NAME	CREDITS	NAME OF FACULTY	L	T	P	Class Coordinator
1	BT-201	Engg Physics	4	Mr. Amit Jain (AJ)	3		2	
2	BT-202	Engg Mathematics II	4	Mr. Akanksha Agarwal(AA)/Dr.Jyoti	4	1	NA	
3	BT-203	Basic Mechanical Engineering	4	Mr. Lokesh Annagadwar (LA)	4		2	Ms. Rupali Tiwari (RT)
4	BT-204	Basic Civil Engineering & Mechanics	4	Dr. Nitai Soni (NS)	4		2	
5	BT-205	Basic Computer Engineering	4	Mr. Puneet Duggal(PD)/Ms. Megha	3		2	
6	BT-206	Language Lab	1	Ms. Rupali Tiwari (RT)			2	

HOD-Dr. Namrata Kaushal PRINCIPAL

IT Coordinator: Ms. Akanksha Agarwal

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Sample Course Outcome

Subject Code	Subject Name	CO Description
BT-201	Engineering Physics	The Coursework is designed to provide students the opportunity to learn key concepts of Wave nature of particles and the Schrodinger equation.
		Student will able to understand the knowledge of Wave optics i.e. interference and diffraction.
		To introduce the idea of solids like semiconductors (P type and N Type semiconductors), Diodes and Hall effect. Students will also be able to understand the basic concept of superconductivity.
		To develop the understanding of Lasers, fiber optics and their applications in field of engineering sciences.
		To provide you to basic understanding of Electrostatics in vacuum.
BT-102	Mathematics-I	To introduce the fallouts of Rolle's Theorem that is fundamental to application of analysis to Engineering problems.
		To introduce the idea of applying differential and integral calculus to notions of curvature and to improper integrals. Apart from some applications it gives a basic introduction on Beta and Gamma function
		To develop the tool of power series and Fourier series for learning advanced Engineering Mathematics.
		To familiarize the student with functions of several variables that is essential in most branches of engineering
		To develop the essential tool of matrices and linear algebra in a comprehensive manner.
CE304	Building Planning and Architecture	The students able to understand and to draw various building components.
		The students able to deals with the building planning, orientation and drawing.
		The students able to understand and deals with building services.
		The students able to deals with the architectural design aspects.
		The students able to Representation of a building on Paper.
CE305	Strength of Material	Understand the stress and strain calculation and its importance for different materials.
		Understand the analysis of bending moments and stresses generated on a beam subject to different load conditions.
		Understand the importance of slope and deflection in a beam and to analyze it for different scenarios.
		Analyze the behavior of columns and struts under different

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		loading conditions.
		Understand the determination of torsion on shafts and able to analyze the problems based on combined bending and torsion and also able to analyze unsymmetrical bending in beams.
CE -503	Departmental Elective - Quantitative Surveying and Costing	Students understood the purpose, importance and types of estimates.
		Students are able to analyze the rates of various items of work.
		Students learned to prepare the estimates of various types of construction works.
		Students gained the knowledge of all the terms, rules and regulations of estimating.
		Students understood the purpose, importance and methods of valuation.
CE -504	Open Elective- Urban Town and Planning	Students will be able to understand planning process of an urban area & surveys conducted for urban development and designing in relation with spatial organization, utility, demand of the area and supply considering future growth of an urban area.
		Students shall know about Urban Planning agencies and their functions. Also public participation in planning, development control regulations, sustainability, components of sustainable urban and regional development and emerging concepts for city.
		Students will gain complete knowledge about town and country planning act, building bye-laws, elements of city planning, landscaping and urban planning standards.
		Students shall know about traffic transportation systems and management for urban roads considering Legal issues in planning and professional practice for preparation of DPR.
		Students will be able to understand types of development plans and Water Supply & sanitation for urban areas, planning agencies and their purpose.
CE -701	Geotechnical Engineering	Understand the soil formation, terminologies of soil properties and there relation. Able to classify the type of soil.
		Able to determine the coefficient of permeability and permeability of layered soil. Understand the application of flow net, quick condition and Laplace equation for two dimensional flow
		Understand the Boussinesqs and Westergards theory, Newmarks influence chart for irregular areas. Understand the factors affecting the compaction of soil
		Understand the type of Consolidation of soil, Terzaghi's One Dimensional Consolidation theory and method of finding coefficient of consolidation

		Understand the type of Shear Stress test i.e., Direct Shear test, Triaxial test and Vane Shear test. Able to understand the mohr colomb shear strength envelope and failure envelope. Understand the soil stabilization
		Develop thinking ability and polish his expression in group discussions.
		Be prepared for the personal interview through mock interviews while being aware of Civil Engineering
ME404	Fluid mechanics	To understand the Newton's law of viscosity and able to explain the mechanics of fluids at rest and in motion by observing the fluid phenomena.
		Compute force of buoyancy on a partially or fully submerged body and able to analyze the stability of a floating body.
		To understand Euler's Equation of motion and Deduce Bernoulli's equation.
		To find energy losses in pipe transitions and to draw energy gradient lines.
		Evaluate pressure drop in pipe flow using Hagen-Poiseuille's equation for laminar flow in a pipe and distinguish the types of flows and determine sonic velocity in a fluid.
ME405	Manufacturing technology	Upon completion of this course, the students will be able to understand and compare the functions and applications of different metal cutting tools
		Understand the basic concepts of gear machining
		Understand the basic concepts of plastics and molding method
		Understand the basic concepts of NTM
		The student will be able to write the programming to control and operate NC machines
CS-305	Object Oriented Programming & Methodology	Describe the procedural and object oriented paradigm with concepts of streams, classes, functions, data and objects.
		Understand dynamic memory management techniques using pointers, constructors, destructors etc.
		Describe the concept of function overloading, operator overloading, virtual functions and polymorphism.
		Understand how to apply the major object-oriented concepts to implement object oriented programs in C++, encapsulation, inheritance and polymorphism.
		Classify inheritance with the understanding of early and late binding, usage of exception handling, generic programming.
CS-306	Computer Workshop	Understand the concepts of Java programming.
		Understand fundamentals of programming such as variables, conditional and iterative execution, methods, etc.

		Understand fundamentals of object-oriented programming in Java and be familiar of the important concepts like class, inheritance and multithreading, AWT and JDBC.
		Use the Java SDK environment to create, debug and run Java programs.
		Develop Java applet.
EC402	Signals & Systems	Students will able to generate and characterize various continuous and discrete time signals.
		Students will able to develop input output relationship for linear shift invariant system and understand the convolution operator for continuous and discrete time system
		Students will able to analyze the spectral characteristics of signals using Fourier analysis.
		Students will able to analyze DT systems & their realization using Z-transforms.
		Students will able to evaluate and analyse the reconstruction of signals.
EC403	Analog Communication	Develop an understanding of the basic electronic communication process and use it for the solution of electronics and communication engineering with signals
		Derive the mathematical models for analog modulation schemes ie for AM
		Derive the mathematical models for analog modulation schemes ie for FM
		Analyze and design transmitters & receivers.
		Analyze the effects of noise in continuous wave modulation systems.
EC 502	Digital Communication	Students can able to differentiate various sampling methods and pulse modulation schemes.
		Students can able to understand mathematical model, spectrum, advantages, disadvantages and application various Analog to Digital conversion methods.
		Students can able to understand mathematical model, spectrum, advantages, disadvantages and application of various digital modulation schemes.
		Students can able to understand probability of error and signal space representation of various digital modulation Schemes.
		Students can able to understand Information theory, Source coding and channel coding.

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Sample PO CO Mapping Table from CSE

Indore Institute of Science and Technology, Indore
Department of CSE

COURSE OUTCOME (Session 2022-23)

S. No.	Subject Code	Subject Name	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Semester - III																		
1	ES-301	Energy & Environmental Engineering	2.3.1.1	3	2	3	2				3	2				3	2	1
			2.3.1.2	3	1		3	3								3	1	1
			2.3.1.3	3		2	1		3	3						3		1
			2.3.1.4	2	1	3		3	2							3	2	1
			2.3.1.5		3	2	3	3									2	1
			CO Avg	2.75	1.75	2.5	2.25	3	2.5	3	3	2				3	1.75	1
2	CS-302	Discrete Structure	2.3.2.1	2	2	3	2		1						1	2	3	1
			2.3.2.2	1			3									1	3	
			2.3.2.3	2		3										2	3	
			2.3.2.4	1		2			3					2		1	2	3
			2.3.2.5		3		2										3	
			CO Avg	1.5	2.5	2.67	2.33		2					2	1	1.5	2.8	2
3	CS-303	Data Structure	2.3.3.1	2	1	3			1						2	2	3	1
			2.3.3.2	2	1	2	3									2	3	
			2.3.3.3	1	2	2										1	2	
			2.3.3.4	1	2	3			2							1	3	2
			2.3.3.5	1	2	3	3	1								1	3	
			CO Avg	1.4	1.6	2.6	3	1	1.5						2	1.4	2.8	1.5
4	CS-304	Digital Systems	2.3.4.1	2	1											2	1	
			2.3.4.2	3	2		1									3	2	
			2.3.4.3	3	3											3	3	
			2.3.4.4	3	1	2	2					2	1	3	1	3	3	2
			2.3.4.5	3	2											3	2	
			CO Avg	2.8	1.8	2	1.5					2	1	3	1	2.8	2.2	2
5	CS-305	Object Oriented Programming & Methodology	2.3.5.1	3	2	1	2									3	2	
			2.3.5.2	3	2		2									3	2	
			2.3.5.3	3	1		3							2		3	3	
			2.3.5.4	3	2	2	3					2	1	3	2	3	3	2
			2.3.5.5	3	1		3					2		2	1	3	3	2
			CO Avg	3	1.6	1.5	2.6					2	1	2.33	1.5	3	2.6	2
6	CS-306	Computer Workshop	2.3.6.1	3	1											3	1	
			2.3.6.2	3	2		2									3	2	
			2.3.6.3	3	2	2	3					3		2	2	3	3	3
			2.3.6.4	3	1		2					1		3	1	3	3	1
			2.3.6.5	3		2	1					2		3	1	3	3	2
			CO Avg	3	1.5	2	2					2		2.67	1.33	3	2.4	2
			1.1.7.1	3	1							2		2		3		

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