DEGREE IN APPLIED PHYSICS		
Programme: *Degree in Applied Physics*	**Year:III**	**Semester: V Paper I**
Subject: Physics		
CourseCode:	**CourseTitle:** Solid State Physics	

Credits:04	**Core/Compulsory**
Max.Marks:100 **ExternalExam:75** **InternalAssessment:25**	**Min.PassingMarks:33**
TotalNo.ofLectures-Tutorials-Practical(inhoursperweek):4-0-0	

Unit	Topic	No. of Lectures
Unit I	**Crystal Structure** Amorphous and Crystalline Materials. Lattice and Basis. Types of Lattices. Bravais lattices, Unit Cell. Primitive and non-primitive lattice, Symmetry elements, point group and space group, Simple structure of Sodium chloride (fcc), Cesium chloride (bcc), hcp, packing fraction of sc, fcc, bcc and hcp, Miller Indices.	**10**
Unit II	**Reciprocal Lattice:** Reciprocal lattice, Brillouin Zones. Reciprocal lattice and Brillouin Zone of sc, fcc and bcc structure, Diffraction of X-rays by Crystals. Bragg's Law. Atomic and Geometrical Factor. Extinction conditions of diffraction for sc, bcc and fcc lattice, Experimental methods of crystal structure determination-Laue, single crystal and powder method.	**15**
Unit III	**Elementary Lattice Dynamics:** Lattice Vibrations and Phonons: Linear Monoatomic and Diatomic Chains. Acoustical and Optical Phonons. Qualitative Description of the Phonon Spectrum in Solids. Dulong and Petit's Law, Einstein and Debye theories of specific heat of solids. T3 law	**10**
Unit IV	**Crystal Binding and Elastic Properties:** Ionic, covalent, metallic and hydrogen bond, Analysis of stress and strain, Elastic compliance and stiffness constant, elastic constant for cubic crystal, Elastic waves and velocity in cubic crystal with example of 100 direction, Experimental determination of elastic constants	**10**
Unit V	**Magnetic Properties of Matter:** Dia-, Para-, Ferri- and Ferromagnetic Materials. Classical Langevin Theory of dia – and Paramagnetic Domains. Quantum Mechanical Treatment of Paramagnetism. Curie's law, Weiss's Theory of Ferromagnetism and Ferromagnetic Domains. Discussion of B-H Curve. Hysteresis and Energy Loss	**15**

Reference Books:

- Introduction to Solid State Physics, Charles Kittel, 8th Ed., 2004, Wiley India Pvt. Ltd.
- Elements of Solid State Physics, J.P. Srivastava, 2nd Ed., 2006, Prentice-Hall of India
- Introduction to Solids, Leonid V. Azaroff, 2004, Tata Mc-Graw Hill
- Solid State Physics, Neil W. Ashcroft and N. David Mermin, 1976, Cengage Learning
- Solid-state Physics, H.Ibach and H Luth, 2009, Springer
- Elementary Solid State Physics, 1/e M. Ali Omar, 1999, Pearson India
- Solid State Physics, M.A. Wahab, 2011, Narosa Publications
- NPTEL (http://nptel.ac.in)
- Virtual Labs (http://www.vlab.co.in)

Suggested OnlineLink:

1. MITOpenLearning-MassachusettsInstituteofTechnology,https://openlearning.mit.edu/
2. NationalProgrammeonTechnologyEnhancedLearning(NPTEL),htt ps://www.youtube.com/user/nptelhrd
3. SwayamPrabha - DTH Channel,https://www.swayamprabha.gov.in/index.php/program/curr ent_he/8

This course can be opted as an elective by the students of following subjects: The course can be opted as an elective, which is open to all students.

Suggested Continuous Evaluation (25Marks):

Continuous internal evaluation shall be based on allotted assignment and class tests. The marks shall be as follows:

Class Test/Assignment/ attendance- (10+10+5)

CoursePrerequisites: Passed Semester IV.

DEGREE IN SCINCE		
Programme: ***Degree in Science***	**Year: III**	**Semester: V Practical (Lab)**
Subject: Physics Practical (Lab)		
Course Code:	**Course Title:** Demonstrative Aspects of Solid State Physics (Practical)	
Course Outcomes: 1. To understand the magnetic properties of materials. 2. To measure the band gap of semiconductor. 3. To familiar with SCR & UJT. 4. To understand the characteristics of light emitting diode.		
Credits: 02	**Core Compulsory**	
Max. Marks: 50 **Internal (Record File): 15** **External Practical Exam: 20** **External Viva Voce : 15**	**Min. Passing Marks:17**	
Total No. of Lectures-Tutorials-Practical (in hours per week): 0-0-4		

Unit	**Topic**	**No. of Lectures**
	Lab Experiment List	
	1. Measurement of Energy Band Gap of given semiconductor. 2. To measure the Magnetic susceptibility of Solids. 3. To draw the BH curve of Fe using Solenoid & determine energy loss from Hysteresis. 4. To find the corrosivity and retentivity of ferromagnetic sample. 5. To measure the resistivity of a semiconductor (Ge) with temperature by four-probe method (room temperature to 150 oC). 6. To determine the Hall coefficient of a semiconductor sample. 7. To study & evaluation of Stefan's law by thermal method. 8. To study the VI characteristic of SCR. 9. To study UJT trigger circuit for half wave and full wave control. 10. To study the characteristic of LED. 11. To show the effect of varying voltage and frequency on Hysteresis loop.	**60**

Suggested Readings:

1. M. Yadav, Practical Physics, Vol 3, KedarNath Ramnath Publication, 2023.
2. B.L. Worsnop, H.T. Flint, "Advanced Practical Physics for Students", Methuen & Co., Ltd., London, 1962.
3. S. Panigrahi, B. Mallick, "Engineering Practical Physics", Cengage Learning India Pvt. Ltd., 2015.
4. Indu Prakash: Practical Physics
5. S.L. Gupta, V. Kumar, "Practical Physics", PragatiPrakashan, Meerut, 2014.

Suggestive Digital Platforms / Web Links:

1. Virtual Labs at Amrita Vishwa Vidyapeetham, https://vlab.amrita.edu/?sub=1&brch=74
2. Digital Platforms /Web Links of other virtual labs may be suggested / added to this lists by individual Universities

Suggested Continuous Evaluation Methods:

Continuous internal evaluation shall be based on allotted assignment and class tests. The marks shall be as follows:

Record File (15 marks)

PREREQUISITE: Passed Semester IV.

Further Suggestions:

The institution may suggest a minimum number of experiments (say 6) to be performed by each student per semester from the Lab Experiment List.

DEGREE IN SCIENCE		
Programme: *Degree in Science*	**Year: III**	**Semester: V Paper-II**
Subject: Physics		
Course Code:	**Course Title: Basic Electronics**	

Course Outcomes:

1. Study of different Network Theorems for simplifying complicated electronics circuits.
2. Study of Regulated Power Supply. Understand different types of Rectifiers, Filters and Voltage Regulator.
3. Study of different types of special diodes and their applications
4. Study of Transistors and their applications in different types of Amplifiers.

Credits: 04	**Core Compulsory**
Max. Marks: 100 **External Exam: 75** **Internal Exam: 25**	**Min. Passing Marks: 33**

Total No. of Lectures-Tutorials-Practical (in hours per week): 4-0-0

Unit	Topic	No. of Lectures
UnitI	**Network Theorems:** Constant voltage and constant current source, Conversion of voltage source into current source and vice-versa, Superposition theorem, Thevenin's theorem and procedure for finding Thevenin equivalent circuit, Norton's theorem and procedure for finding Norton equivalent circuit, Reciprocity theorem, maximum power transfer theorem, Applications of network theorems	**7**
UnitII	**Semiconductor Diodes:** Intrinsic and extrinsic semiconductors, P and N type semiconductors, Barrier formation in PN junction diode, qualitative idea of current flow mechanism in forward and reverse biased diode, PN junction and its characteristics, Static and dynamic resistance, Special diodes: Tunneling effect (Tunnel diode), Zener diode, Varactor diode, Point contact diode, V-I characteristic of these diodes, Principle and structure of Opto-electronic devices: LED, Photodiode, Solar cell.	**15**
UnitIII	**Power Supplies:** Block diagram of power supply (regulated and unregulated), Diode as a rectifier: Half and Full wave rectifiers, Bridge rectifiers, Peak inverse voltage, Efficiency, Ripple factor, Filters: Low pass and High pass filters, Band pass and Band stop filters, L and π – filters (Series inductor, Shunt capacitor, LC, CLC filters), Zener diode as a voltage regulator.	**8**
UnitI IV	**Transistors** N-P-N and P-N-P transistors, Transistor currents, Characteristics of CB, CE and CC, Current gains α, β and γ, Relations between α, β and γ, Basic CE amplifier circuit, Load Line analysis of transistors, DC Load line and Q-point, performance of	**15**

	transistor amplifier in CE mode: Input resistance, Output resistance, Effective collector load, Current, Voltage and Power gains, Active, Cutoff, and Saturation regions, Basic Idea of FET, MOSFET, & UJT.	
UnitI V	**Transistor Amplifiers:** Transistor biasing: Needs and requirements, Stability factor, Fixed-bias circuit, Collector to base bias circuit, Bias circuit with emitter resistor, Voltage divider biasing circuit, Single-stage transistor amplifiers, Common base (CB), Common emitter (CE) and Common collector (CC) amplifier, Comparison of a amplifier configurations. Amplifier classification based on biasing condition, Basic Idea of Power amplifiers (Class A, Push Pull amplifier, Class B and Class C), RC-coupled two stage amplifier and its frequency response.	**15**

SuggestedReading

1. M. K Baagde, S. P. Singh and Kamal Singh: Elements of Electronics
2. B. L. Theraja: Basic Electronics
3. V. K. Mehta: Elements of Electronics
4. J. D. Ryder: Networks, Lines and Fields
5. J. D. Ryder: Electronic Fundamentals and Applications.
6. Millman and Halkias: Integrated Electronics

Suggested OnlineLink:

4. MITOpenLearning-MassachusettsInstituteofTechnology,https://openlearning.mit.edu/
5. NationalProgrammeonTechnologyEnhancedLearning(NPTEL),htt
ps://www.youtube.com/user/nptelhrd
6. SwayamPrabha - DTH
Channel,https://www.swayamprabha.gov.in/index.php/program/curr
ent_he/8

This course can be opted as an elective by the students of following subjects: The course can be opted as an elective, which is open to all students.

Suggested Continuous Evaluation(25Marks):

Continuous internal evaluation shall be based on allotted assignment and class tests. The marks shall be as follows:

Class Test/Assignment/ attendance- (10+10+5)

Course Prerequisites: Passed SemesterIV.

DEGREE IN SCINCE		
Programme: *Degree in Science*	**Year: III**	**Semester: V Practical (Lab)**
Subject: Physics Practical (Lab)		
Course Code:	**Course Title:** Demonstrative Aspects of Basic Electronics (Practical)	

Course Outcomes:

1. Experimental physics has the most striking impact on the industry wherever the instruments are used to study the Electronics and its application in industry and research.

2. Measurement precision and perfection is achieved through Lab Experiments.

Credits: 02	**Core Compulsory**
Max. Marks: 50 **Internal (Record File): 15** **External Practical Exam: 20** **External Viva Voce : 15**	**Min. Passing Marks:17**

Total No. of Lectures-Tutorials-Practical (in hours per week): 0-0-4

Unit	Topic	No. of Lectures
	Lab Experiment List	
	1. To study characteristics of R-C coupled Amplifier with and without feedback. 2. To study the characteristics of integrating and differentiating circuit. 3. To draw the characteristics of P-N junction diode. 4. To draw the characteristics of PNP and NPN junction transistor. 5. Measurements of h-parameters of a transistor. 6. Study of different types of Rectifiers and Filters. 7. Verification of Network theorems. 8. Child Langmuir law. 9. Study of power supply (Ripple factor). 10. Study of Zener diode and regulation (taking different source voltage and loads). 11. Phase measurement using a C.R.O. 12. Study characteristics of Transformr coupled Amplifier with and without feedback	**60**

Suggested Readings:

1. M. Yadav, Practical Physics, Vol 3, KedarNath Ramnath Publication, 2023.
2. B.L. Worsnop, H.T. Flint, "Advanced Practical Physics for Students", Methuen & Co., Ltd., London, 1962.
3. S. Panigrahi, B. Mallick, "Engineering Practical Physics", Cengage Learning India Pvt. Ltd., 2015.
4. Indu Prakash: Practical Physics
5. S.L. Gupta, V. Kumar, "Practical Physics", PragatiPrakashan, Meerut, 2014.

Suggestive Digital Platforms / Web Links:

3. Virtual Labs at Amrita Vishwa Vidyapeetham, https://vlab.amrita.edu/?sub=1&brch=74
4. Digital Platforms /Web Links of other virtual labs may be suggested / added to this lists by individual Universities

Suggested Continuous Evaluation Methods:

Continuous internal evaluation shall be based on allotted assignment and class tests. The marks shall be as follows:

Record File (15 marks)

PREREQUISITE: Passed Semester IV.

Further Suggestions:

The institution may suggest a minimum number of experiments (say 6) to be performed by each student per semester from the Lab Experiment List.

DEGREE IN APPLIED PHYSICS			
Programme: *Degree in Applied Physics*		**Year:III**	**Semester:VI Paper I**
Subject: Physics			
Course Code:	**Course Title: Modern Physics & Elementary Quantum Mechanics**		
Credits:04		**Core Compulsory**	
Max. Marks:100 **External Exam:75** **Internal Assessment:25**		**Min. Passing Marks:33**	
Total No. of Lectures-Tutorials-Practical (in hours per week):4-0-0			

Unit	Topic	No. of Lectures
Unit I	Thomson model, Rutherford model, Bohr model and spectra of hydrogen atoms, Shortcomings of these models, Bohr-Sommerfeld's model, Stern-Gerlach Experiment, Bohr magneton, Larmor's precession, Vector atom model, Spatial quantization and electron spin.	**10**
Unit II	Optical spectra and spectral notations, L-S and J-J coupling, selection rules and intensity rules, Explanation of fine structure of sodium D line, Normal Zeeman effect, X-ray spectra (Characteristic and continuous), Moseley's law.	**10**
Unit III	Origin of Quantum theory, Failure of Classical Physics to explain the phenomena such as Black body spectrum, Photoelectric effect, Characteristics and Einstein's explanation, Planck's quantum hypothesis, Planck's constant and light as a collection of photons; Compton scattering	**10**
Unit IV	De Broglie hypothesis of matter waves and De Broglie wavelength; Davisson-Germer experiment, Position measurement- gamma ray microscope thought experiment; Wave-particle duality, Heisenberg uncertainty principle-impossibility of a particle following a trajectory; Estimating minimum energy of a confined particle using uncertainty principle; Energy-time uncertainty principle.	**15**
Unit V	Schrodinger's equation (Time independent and Time dependent), Postulates of Quantum Mechanics, Properties of Wave Function, Physical interpretation of Wave Function, Probability and probability current densities in three dimensions; Conditions for Physical acceptability of Wave Functions, Normalization, Eigenvalues and Eigenfunctions, Operator, position, momentum and Energy operators; Expectation values, Wave Function of a Free Particle.	**15**

SuggestedReading

1. Concepts of Modern Physics, Arthur Beiser, 2009, McGraw-Hill.
2. Modern Physics, John R. Taylor, Chris D. Zafiratos, Michael A .Dubson,2009, PHI Learning.
3. Six Ideas that Shaped Physics: Particle Behave like Waves, Thomas A. Moore, 2003, McGraw Hill.

4. Modern Physics, R. A. Serway, C. J. Moses, and C. A. Moyer, 2005, Cengage Learning.
5. A Text book of Quantum Mechanics, P. M. Mathews & K. Venkatesan, 2nd Ed., 2010, McGraw Hill
6. Quantum Mechanics, Robert Eisberg and Robert Resnick, 2ndEdn., 2002, Wiley.
7. Quantum Mechanics, Leonard I. Schiff, 3rdEdn. 2010, Tata McGraw Hill.
8. Quantum Mechanics, G. Aruldhas, 2ndEdn. 2002, PHI Learning of India.

Suggested OnlineLink:

4. MITOpenLearning-MassachusettsInstituteofTechnology,https://openlearning.mit.edu/
5. NationalProgrammeonTechnologyEnhancedLearning(NPTEL),htt ps://www.youtube.com/user/nptelhrd
6. SwayamPrabha- DTHChannel,https://www.swayamprabha.gov.in/index.php/progra m/current_he/8

SuggestedContinuousEvaluation(25Marks):

Continuous internal evaluation shall be based on allotted assignment and class tests. The marks shall be as follows:

Class Test/Assignment/ attendance- (10+10+5)

DEGREE IN SCINCE		
Programme: *Degree in Science*	**Year: III**	**Semester: VI Practical (Lab)**
Subject: Physics Practical (Lab)		
Course Code:	**Course Title:** Demonstrative Modern Physics & Elementary Quantum Mechanics (Practical)	

Course Outcomes:

1. Experimental physics has the most striking impact on the industry wherever the instruments are used to study and determine the modern physics concepts.

2. Measurement precision and perfection is achieved through Lab Experiments.

Credits: 02	**Core Compulsory**
Max. Marks: 50 **Internal (Record File): 15** **External Practical Exam: 20** **External Viva Voce : 15**	**Min. Passing Marks:17**

Total No. of Lectures-Tutorials-Practical (in hours per week): 0-0-4

Unit	Topic	No. of Lectures
	Lab Experiment List	
	1. Frank-Hertz Experiment. 2. Determination of 'h' Planck's constant by Photoelectric effect. 3. 'e/m' by Thomson method. 4. 'e/m' Magnetron method. 5. 'e/m' Helical method 6. To determine the Planck's constant using LEDs of at least 4 different colours. 7.To determine the wavelength of laser source using diffraction of single slit. 8.To determine the wavelength of laser source using diffraction of double slits. 9. Determination of Ionization Potential using thyratron valve. 10. Inverse square law. 11. Verification of Cauchy Formula	**60**

Suggested Readings:

1. M. Yadav, Practical Physics, Vol 3, KedarNath Ramnath Publication, 2023.
2. B.L. Worsnop, H.T. Flint, "Advanced Practical Physics for Students", Methuen & Co., Ltd., London, 1962.
3. S. Panigrahi, B. Mallick, "Engineering Practical Physics", Cengage Learning India Pvt. Ltd., 2015.
4. Indu Prakash: Practical Physics
5. S.L. Gupta, V. Kumar, "Practical Physics", PragatiPrakashan, Meerut, 2014.

Suggestive Digital Platforms / Web Links:

5. Virtual Labs at Amrita Vishwa Vidyapeetham, https://vlab.amrita.edu/?sub=1&brch=74
6. Digital Platforms /Web Links of other virtual labs may be suggested / added to this lists by individual Universities

Suggested Continuous Evaluation Methods:

Continuous internal evaluation shall be based on allotted assignment and class tests. The marks shall be as follows:

Record File (15 marks)

PREREQUISITE: Passed Semester IV.

Further Suggestions:

The institution may suggest a minimum number of experiments (say 6) to be performed by each student per semester from the Lab Experiment List.

DEGREE IN SCIENCE		
Programme: *Degree in Science*	**Year: III**	**Semester: VI Paper-II**
Subject: Physics		
Course Code:	**Course Title: Analog and Digital Electronics**	

Course Outcomes:

1. Study of feedback in amplifiers along with their advantages and disadvantages.
2. Study of different types of oscillators.
3. Understand the concepts of Boolean Algebra and various number systems
4. Study of logic gates and their applications.

Credits: 04	**Core Compulsory**
Max. Marks: 100 **External Exam: 75** **Internal Assessment: 25**	**Min. Passing Marks: 33**

Total No. of Lectures-Tutorials-Practical (in hours per week): 4-0-0

Unit	Topic	No. of Lectures
UnitI	**FeedbackAmplifiers** Concept of feedback in amplifier, Types of feedback, Voltage gain of feedback amplifier, Advantages of negative feedback, Gain stability, Decreased distortion, Increased bandwidth, Increase in input impedance, Decrease in output impedance, Amplifier circuits with negative feedback, Advantage of positive feedback.	**10**
UnitII	**Oscillators** Classification of oscillators, Frequency of oscillating current, Frequency stability of an oscillator, Essential of a feedback LC oscillator, Tuned base oscillator, Tuned collector oscillator, Hartley oscillator, Colpitt oscillator, Clapp oscillator, Tunnel diode oscillator, Crystal oscillator, Phase shift oscillator, Wien bridge oscillator, Relaxation oscillator, Astable, monostable and bistable multivibrator, Schmitt trigger, Saw-tooth generator.	**15**
UnitIII	**Operational Amplifiers (Black box approach):** Characteristics of an ideal and practical Op-Amp (IC-741), Open-loop & closed-loop gain. CMRR, Concept of virtual ground. applications of Op-Amps: (1) Inverting and non-inverting amplifiers, (2) Adder, (3) Subtractor, (4) Differentiator, (5) Integrator, (6) Zero crossing detector	**10**

UnitIV	**Number System:** Decimal, Binary, Octal and Hexadecimal number systems, Inter-conversion of different number systems, Binary addition and subtraction, unsigned binary numbers, Sign-magnitude numbers, Complement of a number (1's complement and 2's complement), BCD, GREY, EXCESS-3 codes.	**10**
UnitV	**Logic Gates and Boolean Algebra:** Positive and negative logic, AND, OR and NOT gates (Realization using diodes and transistor), NAND and NOR Gates as universal gates, XOR and XNOR gates. De Morgan's theorems, Boolean laws, Simplification of logic circuit using Boolean algebra, Fundamental products, Minterms and maxterms, Conversion of a truth table into an equivalent logic circuit by (1) Sum of products method and (2) Karnaugh map, Half adder, Full adder and Subtractor, 4-bit binary adder-Subtractor.	**15**

Suggested Reading

1. M.K. Baagde, S.P. Singh and Kamal Singh : Elements of Electronics
2. B.L. Theraja : Basic Electronics
3. V.K. Mehta : Elements of Electronics
4. J.D. Ryder : Networks, Lines and Fields
5. J.D. Ryder : Electronic Fundamentals and Applications.
6. Millman and Halkias : Integrated Electronics

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1. MIT Open Learning - Massachusetts Institute of Technology, https://openlearning.mit.edu/
2. National Programme on Technology Enhanced Learning (NPTEL), https://www.youtube.com/user/nptelhrd
3. SwayamPrabha - DTH Channel, https://www.swayamprabha.gov.in/index.php/program/current_he/8

This course can be opted as an elective by the students of following subjects: The course can be opted as an elective, which is open to all students.

Suggested Continuous Evaluation (25 Marks):

Continuous internal evaluation shall be based on allotted assignment and class tests. The marks shall be as follows:

Class Test/Assignment/ attendance- (10+10+5)

Course Prerequisites: Passed Semester V

DEGREE IN SCINCE		
Programme: ***Degree in Science***	**Year: III**	**Semester: VI Practical (Lab)**
Subject: Physics Practical (Lab) **(Practical)**		
Course Code:	**Course Title:** Demonstrative Aspects of Analog and Digital Electronics (Practical)	
Course Outcomes: **1.** Experimental physics has the most striking impact on the industry wherever the instruments are used to study the Electronics and its application in industry and research. **2.** Measurement precision and perfection is achieved through Lab Experiments.		
Credits: 02	**Core Compulsory**	
Max. Marks: 50 **Internal (Record File): 15** **External Practical Exam: 20** **External Viva Voce : 15**	**Min. Passing Marks: 17**	
Total No. of Lectures-Tutorials-Practical (in hours per week): 0-0-4		

Unit	Topic	No. of Lectures
	Lab Experiment List	
	1. Transistor Bias Stability 2. Comparative Study of CE, CB and CC amplifier 3. Clippers and Clampers 4. Study of Emitter Follower 5. Frequency response of single stage RC coupled amplifier 6. Frequency response of single stage Transformer coupled amplifier 7. Effect of negative feedback on frequency response of RC coupled amplifier 8. Study of Schmitt Trigger 9. Study of Hartley oscillator 10. Study of Wein Bridge oscillator 11. Study of Logic Gates 12. Verification of De Morgan's Theorem 13. Study of Half Adder 14. Study of Full Adder	**60**

Suggested Readings:

1. M. Yadav, Practical Physics, Vol 3, KedarNath Ramnath Publication, 2023.
2. B.L. Worsnop, H.T. Flint, "Advanced Practical Physics for Students", Methuen & Co., Ltd., London, 1962.
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4. Indu Prakash: Practical Physics
5. S.L. Gupta, V. Kumar, "Practical Physics", Pragati Prakashan, Meerut, 2014.

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1. Virtual Labs at Amrita Vishwa Vidyapeetham, https://vlab.amrita.edu/?sub=1&brch=74
2. Digital Platforms /Web Links of other virtual labs may be suggested / added to this lists by individual Universities

Suggested Continuous Evaluation Methods:

Continuous internal evaluation shall be based on allotted assignment and class tests. The marks shall be as follows:

Record File (15 marks)

PREREQUISITE: Passed Semester V.

Further Suggestions:

• The institution may suggest a minimum number of experiments (say 6) to be performed by each student per semester from the Lab Experiment List.