

Maratha Vidya Prasarak Samaj's

ARTS, COMMERCE & SCIENCE COLLEGE, DINDORI

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Affiliated to Savitribai Phule Pune University, Pune

ID No. PU/NS/ACS/069/2001 Center Code : 148 College Code : 683

NAAC Accredited 'B' Grade
(CGPA-2.34)



Dr. S. K. KUSHARE

M.Sc., Ph.D.

I/C Principal

Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Sr. No.	Class	Topic	Page No.
01	FYBCom 2019-20 Pattern	Course No.2 - Employability Skill Enhancement Programme	01
02	FYBA Compulsory English 2019-20 Pattern	Literary Gleam: Anthology of Prose and Poetry	4
03	M.A. - 1 & M.Com. - 1	Cyber Security	6
04	M.A. - 1 & M.Com. - 1	Introduction to Constitution	9
05	SYBA, SYBCom & SYBSc Semester -III & IV	Ability Enhancement Compulsory Course for under graduate (2 credit)	12
06	TYBSc - Physics (SEM-V)	Energy Studies	16
07	FYBA, FYBCom, FYBSc, MA-I & MCom-I	Democracy, Election and Governance (2 credit compulsory course)	18



(Signature)

प्राचार्य

कला, वाणिज्य व विज्ञान महाविद्यालय, दिंडोरी
ता.दिंडोरी, जि.नाशिक



**Value added course for F.Y.B. Com. Under Choice Based Credit System
w.e.f. academic year 2019-20**

Savitribai Phule Pune University has introduced Choice Based Credit System from the academic year 2019-20.

Students need to earn two credits during first and second semester through completion of two value added courses, i.e. one course for each semester.

Guidelines for value added courses :

1. One value added course each is to be conducted for semester – I and semester – II.
2. Completion of the course is compulsory.
3. Each course will be of 15 (Fifteen) hours and of 30 marks.
4. The course contents may be delivered by the teachers or experts from external agencies as per the requirement; **however, the evaluation must be carried out by the college.**
5. Colleges need to maintain proper records of the course, which consist of attendance of students, nature of assignments and the statement of marks.
6. The credits earned by the students need to be shown in the semester end mark sheet.
7. The evaluation of value added courses may be conducted by adopting any of the following method, suitable to the course:-
 - a. Written test (Objective or descriptive)
 - b. Practical examination
 - c. Laboratory work
 - d. Project
 - e. Presentations
8. **A list of five value added courses is given below; colleges need to choose any two courses; each for a semester.**



Course No. 1 – Computerised Accounting

Objectives of the course:

The course has been designed to acquaint students with the computerized accounting practices used in the industry. Practical knowledge about accounting software will be provided to the students' along with hands on experience in the computer laboratories. The course aims at enhancing skills and employability of students. This course is an extension of the existing curriculum of Financial Accounting.

Course Contents:

- Tally Fundamentals
- Accounts Masters – Groups, Ledgers, Voucher Types – Create, Display, Alter
- Accounting Voucher Types – Contra, Payment, Receipt, Journal, Sale, Purchase, Debit Note, Credit Note
- Data Export / Import,
- Finalization Adjustment entries
- Inventory Masters – Stock Groups, Unit of Measure, Godowns, Stock Items – Create, Display, Alter
- Invoicing – Enter Purchases / Sales / Debit Note / Credit Note in Invoice Mode – Accounting Invoice, Item Invoice, Additional expenses, Tax ledgers in Invoices
- Bank Reconciliation,
- Data Backup/Restore

Methods of Instruction

- Lecture
- Guest speakers
- Written assignments
- Laboratory practical

Certification :

The college needs to provide 'Course Completion Certificate' to every student who completes the course successfully. The certificate must contain the grade obtained by the student in the examination.



Course No. 2 – Employability Skill Enhancement Programme

Objectives of the course:

This programme is designed to aid candidates in their preparation for recruitment through campus or outside campus. The course will enable students to be a better professional through effective communication. Students will learn skills to present themselves in an effective manner while facing interviews or similar test for placements.

Course Contents:

- Basic Communication Skills
- Reasoning Ability
- Verbal Ability
- Personal Grooming
- Personality Development
- CV Writing Skills
- Interview Techniques

Methods of Instruction

- Lecture
- Class discussion
- Role plays
- Guest speakers
- Written assignments
- Videos

Certification :

The college needs to provide 'Course Completion Certificate' to every student who completes the course successfully. The certificate must contain the grade obtained by the student in the examination.



F. Y. B. A Compulsory English
(w. e. f. 2019-2020)
(Choice Based Credit System)
70:30-Pattern
(70-Semester-End Exam & 30-Internal Evaluation)

**Prescribed Text: *Literary Gleam: An Anthology of Prose and Poetry* (Board of Editors-
Orient BlackSwan)**

Objectives:

- a) To expose students to the best examples of prose and poetry in English so that they realize the beauty and communicative power of English
- b) **To instill human values and develop the character of students as responsible citizens of the world**
- c) To develop the ability to appreciate ideas and think critically
- d) To enhance employability of the students by developing their linguistic competence and communicative skills
- e) To revise and reinforce structures already learnt in the previous stages of learning.

Semester-I

Prose:

1. Engine Trouble — R. K. Narayan
2. On Saying 'Please' — A. G. Gardiner
3. The Gift of the Magi — O. Henry

Poetry:

1. A Red, Red Rose — Robert Burns
2. Leave this Chanting and Singing — Rabindranath Tagore
3. The Felling of a Banyan Tree — Dilip Chitre

Grammar:

1. Articles
2. Prepositions
3. Verbs
 - Regular and Irregular Verbs
 - Auxiliary Verbs: Primary and Modal
4. Punctuation

Communication Skills:

1. Greeting and Taking Leave



2. Introducing Yourself
3. Introducing People to One Another
4. Making Requests and Asking for Directions
5. Making and Accepting Apology

Semester- II

Prose:

1. In Sahyadri Hills, A Lesson in Humility — Sudha Murthy
2. The Model Millionaire — Oscar Wilde
3. The Eyes are not Here — Ruskin Bond

Poetry:

1. My Heart Leaps Up — William Wordsworth
2. Ozymandias — P. B. Shelley
3. Success is Counted Sweetest — Emily Dickinson

Grammar:

1. Tenses
2. Subject-Verb Agreement
3. Vocabulary

Communication Skills

1. Inviting and Accepting/Declining Invitations
2. Making a Complaint
3. Congratulating, Expressing Sympathy and Offering Condolences
4. Making Suggestions, Offering Advice and Persuading

- Each semester shall have 3 credits for teaching. Each credit is equal to 15 hours, so this course shall have 45 teaching hours. In addition to that there shall be three hours allotted to internal evaluation. Changes as per the university guidelines shall be communicated from time to time.

Cyber Security - For MA & MCom.

Programme Objective:

This programme aims to help the learners to navigate the foundations and skills necessary to build a career in the field of cyber security.

Expected Outcome:

After completion of this programme the learners will be able to understand the basic security objectives and the countermeasure the threats by using various security models and mechanisms.

Syllabus

Theory		
Module	Chapter No.	Topic
Module – 1 Introduction to Information Security and Potential Threats	Chapter – 1	Introduction to Cyber Space, Cyber Security and Information Systems
	Chapter – 2	Cyber Attacks and their Classification
	Chapter – 3	Types of Malware and Threats
Module – 2 Cyber Vulnerability and Network Security	Chapter – 4	Assessment of Vulnerability
	Chapter – 5	Intrusion : Detection and Prevention Systems
	Chapter – 6	Internet Protocols, Operating System Security and Network Security
Module – 3 User Authentication Tools and Information Security Models	Chapter – 7	User Authentication Methods,
	Chapter – 8	Information Security Models and Security Mechanisms
	Chapter – 9	Biometric Systems and Biometric Authentication Processes
Module – 4 Web and Mobile App security Methods	Chapter – 10	Web Security and Email Security
	Chapter – 11	Security of Mobile Devices and Cloud Space
	Chapter – 12	Social Media Security and IoT Security
Module – 5 Cyber Crimes and Digital Forensic Science	Chapter – 13	Cyber Crimes, Scams and Frauds
	Chapter – 14	Digital Forensic Investigation Methods, Cyber Trails
	Chapter – 15	Branches of Digital Forensics, Reporting, Management of Evidence
Module – 6 Prohibitory Laws for Cyber Security	Chapter – 16	Jurisdiction of Cyber Crime, Information Technology Act 2000 and its Amendments
	Chapter – 17	Validity of Digital Communication Evidences (Call Records /Emails/SMS)
	Chapter – 18	RBI Act and IPR Act



ETHOS

Practical		
Module – 7 Practical	Practical – 1	Performing the web security audit and report preparation
	Practical – 2	Biometric Authentication Processes
	Practical – 3	Explore the Nmap tool and list how it can be used for network defense.
	Practical – 4	Explore the NetCat tool
	Practical – 5	Examine SQL injection attack
	Practical – 6	Perform online attacks and offline attacks of password cracking.
	Practical – 7	Evaluate network defense tools for DOS attack
	Practical – 8	Evaluate network defense tools for IP spoofing
	Practical – 9	Consider a case study of cyber crime, where the attacker has performed online debit card fraud. Prepare a report and also list the laws to be imposed on attacker
	Practical – 10	To ensure Security of any one web browser (Mozilla Firefox/Google Chrome)
	Practical – 11	Set Firewall security for windows
	Practical – 12	To gather information from any PC's connected to the LAN

Course Duration :

Theory : 18 Hours

Practical : 12 Hours



INTRODUCTION TO CONSTITUTION - For MA & MCom

(TWO CREDITS)

Course Objectives: This course introduces students to the Constitution of India. The Constitution, being supreme law of the land, must be known to every citizen of India. It begins with the Preamble, which indicates the source and objects of it. We, the people of India, are the source of the Constitution and have resolved to constitute India into a sovereign, socialist, secular, democratic and republic. The Course has been designed for everyone to make acquaint themselves with their fundamental rights and of others. No right is absolute one; it is subject to others right, as well. Directive Principles of State Policy are nothing but rights, though not enforceable by any court. These Directive Principles are basically 'Fundamental Principles' in the governance of the country. Powers and freedoms come with responsibility, State's responsibility to implement Directive Principles and citizens must perform their duties towards others, society and nation.

Expected Course Outcomes:

- To introduce the philosophy of Constitution of India to students.
- To acquaint them with their freedoms and responsibilities.

UNIT 1: PHILOSOPHY OF THE INDIAN CONSTITUTION (5 Hours)

- a) Constitutional History of India
- b) Role of Dr. B.R. Ambedkar in Constituent Assembly
- c) Preamble – Source and Objects
- d) Sovereign and Republic
- e) Socialist and Secular
- f) Democratic – Social and Economic Democracy
- g) Justice – Social, Economic and Political
- h) Liberty – Thought, Expression, Belief, Faith and Worship
- i) Equality – Status and Opportunity
- j) Fraternity, Human Dignity, Unity and Integrity of the Nation



UNIT 2: FUNDAMENTAL RIGHTS (10 Hours)

- a) Right to equality
- b) Right to freedoms
- c) Right against exploitation
- d) Right to freedom of religion
- e) Cultural and educational rights
- f) Right to property
- g) Right to constitutional remedies

UNIT 3: DIRECTIVE PRINCIPLES OF STATE POLICY (10 Hours)

- a) Equal Justice and free legal aid
- b) Right to work and provisions for just and humane conditions of work
- c) Provision for early childhood, Right to education and SC,ST, weaker section
- d) Uniform Civil Code
- e) Standard of Living, nutrition and public health
- f) Protection and improvement of environment
- g) Separation of Judiciary from executive
- h) Promotion of International peace and security

UNIT 4: FUNDAMENTAL DUTIES (5 Hours)

- a) Duty to abide by the Constitution
- b) Duty to cherish and follow the noble ideals
- c) Duty to defend the country and render national service
- d) Duty to value and preserve the rich heritage of our composite culture
- e) Duty to develop scientific temper, humanism, the spirit of inquiry & reform
- f) Duty to safeguard public property and abjure violence
- g) Duty to strive towards excellence

Text/Reference Books:

- a) D. D. Basu, Introduction to the Constitution of India, LexisNexis
- b) Granville Austin, The Constitution of India: Cornerstone of a Nation, Oxford University Press
- c) Subhash Kashyap, Our Constitution, National Book Trust
- d) M.P. Jain, Indian Constitutional Law, LexisNexis



- e) V.N.Shukla, Constitution of India, Eastern Book Company
- f) P.M. Bakshi, The Constitution of India, Universal Law Publishing
- g) M.V.Pylee, Constitutional Government in India, S. Chand
- h) V. S. Khare, Dr. B.R.Ambedkar and India's National Security
- i) डॉ. सत्यरंजन साठे, भारताच्या राज्यघटनेची ५० वर्षे, कॉन्टिनेन्टल प्रकाशन
- j) नरेन्द्र चपळगावकर, राज्यघटनेचे अर्धशतक, मीज प्रकाशन गृह
- k) सुहास पळशीकर, राजकारणाचा ताळेबंद भारतीय लोकशाहीची वाटचाल, साधना प्रकाशन
- l) जयदेव गायकवाड, संविधान सभेत डॉ. आंबेडकर, पद्मगंगा प्रकाशन
- m) झिया मोदी, टेन जजमेंट्स टॅट चेंज् इंडिया, सफळ प्रकाशन
- n) डॉ. रावसाहेब कसबे, डॉ. आंबेडकर आणि भारतीय राज्यघटना, सुगावा प्रकाशन



Syllabus for

Ability Enhancement Compulsory Course (AECC – Environment Studies)(2 credit) for under graduate

(For All Faculties - Second Year - Semester III)

It is as per UGC guidelines and framing -

Unit 1 : Introduction to environmental studies

- Multidisciplinary nature of environmental studies;
- Scope and importance; Concept of sustainability and sustainable development.

(2 lectures)

Unit 2 : Ecosystems

- What is an ecosystem? Structure and function of ecosystem ; Energy flow in an ecosystem : food chains, food webs and ecological succession. Case studies of the following ecosystems :

- a) Forest ecosystem
- b) Grassland ecosystem
- c) Desert ecosystem
- d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

(8 lectures)

Unit 3 : Natural Resources : Renewable and Non-renewable Resources

- Land resources and land use change; Land degradation, soil erosion and desertification.
- Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations.
- Water : Use and over-exploitation of surface and ground water, floods, droughts conflicts over water (international & inter-state).
- Energy resources : Renewable and non renewable energy sources, use of alternate energy sources, growing energy needs, case studies.

(10 lectures)

Unit 4 : Biodiversity and Conservation

- Levels of biological diversity : genetic, species and ecosystem diversity; Biogeographic zones of India; Biodiversity patterns and global biodiversity hot spots
- India as a mega-biodiversity nation; Endangered and endemic species of India
- Threats to biodiversity : Habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions; Conservation of biodiversity : In-situ and Ex-situ conservation of biodiversity.
- Ecosystem and biodiversity services : Ecological, economic, social, ethical, aesthetic and Informational value.

(10 lectures)

References :

1. Carson, R. 2002. Silent Spring. Houghton Mifflin Harcourt.
2. Gadgil, M., & Guha, R. 1993. This Fissured Land: An Ecological History of India. Univ. of California Press.



3. Gleeson, B. and Low, N. (eds.) 1999. *Global Ethics and Environment*, London, Routledge.
4. Gleick, P. H. 1993. *Water in Crisis*. Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute, Oxford Univ. Press.
5. Groom, Martha J., Gary K. Meffe, and Carl Ronald Carroll. *Principles of Conservation Biology*. Sunderland: Sinauer Associates, 2006.
6. Grumbine, R. Edward, and Pandit, M.K. 2013. Threats from India's Himalaya dams. *Science*, 339 : 36-37.
7. McCully, P. 1996. *Rivers no more: the environmental effects of dams* (pp. 29-64), Zed Books.
8. McNeill, John R. 2000. *Something New Under the Sun: An Environmental History of the Twentieth Century*.
9. Odum, E.P., Odum, H.T. & Andrews, J. 1971. *Fundamentals of Ecology*. Philadelphia: Saunders.
10. Pepper, I.L., Gerba, C.P. & Brusseau, M.L. 2011. *Environmental and Pollution Science*. Academic Press.
11. Rao, M.N. & Datta, A.K. 1987. *Waste Water Treatment*. Oxford and IBH Publishing Co. Pvt. Ltd.
12. Raven, P.H., Hassenzahl, D.M. & Berg, L.R. 2012. *Environment*, 8th edition. John Wiley & Sons.
13. Rosencranz, A., Divan, S., & Noble, M.L. 2001. *Environmental law and policy in India*. Tripathi 1992.
14. Sengupta, R. 2003. *Ecology and economics : An approach to sustainable development*. OUP.
15. Singh, J.S., Singh, S.P. and Gupta, S.R. 2014. *Ecology, Environmental Science and Conservation*. S. Chand Publishing, New Delhi.
16. Sodhi, N.S., Gibson, L. & Raven, P.H. (eds). 2013. *Conservation Biology : Voices from the Tropics*. John Wiley & Sons.
17. Thapar, V. 1998. *Land of the Tiger: A Natural History of the Indian Subcontinent*.
18. Warren, C. E. 1971. *Biology and Water Pollution Control*. WB Saunders.
19. Wilson, E. O. 2006. *The Creation: An appeal to save life on earth*. New York : Norton.
20. World Commission on Environment and Development. 1987. *Our Common Future*, Oxford University Press.



Syllabus for

Ability Enhancement Compulsory Course (AECC – Environment Studies)(2 credit) for under graduate

(For All Faculties - Second Year - Semester IV)

It is as per UGC guidelines and framing -

Unit 5 : Environmental Pollution

- Environmental pollution : types, causes, effects and controls; Air, water, soil and noise pollution
- Nuclear hazards and human health risks
- Solid waste management : Control measures of urban and industrial waste.
- Pollution case studies.

(10 lectures)

Unit 6 : Environmental Policies & Practices

- Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture
- Environment Laws: Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and control of Pollution) Act; Wildlife Protection Act; Forest Conservation Act. International agreements: Montreal and Kyoto protocols and Convention on Biological Diversity (CBD).
- Nature reserves, tribal populations and rights, and human wildlife conflicts in Indian context.

(9 lectures)

Unit 7 : Human Communities and the Environment

- Human population growth: Impacts on environment, human health and welfare.
- Resettlement and rehabilitation of project affected persons; case studies.
- Disaster management : floods, earthquake, cyclones and landslides.
- Environmental movements : Chipko, Silent valley, Bishnois of Rajasthan.
- Environmental ethics: Role of Indian and other religions and cultures in environmental conservation.
- Environmental communication and public awareness, case studies (e.g. CNG vehicles in Delhi).

(6 lectures)

Unit 8 : Field work

- Visit to an area to document environmental assets: river/ forest/ flora/fauna, etc.



- Visit to a local polluted site-Urban/Rural/Industrial/Agricultural.
- Study of common plants, insects, birds and basic principles of identification.
- Study of simple ecosystems-pond, river, Delhi Ridge, etc.

(Equal to 5 lectures)

References :

1. Carson, R. 2002. *Silent Spring*. Houghton Mifflin Harcourt.
2. Gadgil, M., & Guha, R. 1993. *This Fissured Land: An Ecological History of India*. Univ. of California Press.
3. Gleeson, B. and Low, N. (eds.) 1999. *Global Ethics and Environment*, London, Routledge.
4. Gleick, P. H. 1993. *Water in Crisis*. Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute, Oxford Univ. Press.
5. Groom, Martha J., Gary K. Meffe, and Carl Ronald Carroll. *Principles of Conservation Biology*. Sunderland: Sinauer Associates, 2006.
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12. Raven, P.H., Hassenzahl, D.M. & Berg, L.R. 2012. *Environment*. 8th edition. John Wiley & Sons.
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19. Wilson, E. O. 2006. *The Creation: An appeal to save life on earth*. New York : Norton.
20. World Commission on Environment and Development. 1987. *Our Common Future*. Oxford University Press.



T.Y.B.Sc. (Physics) (Sem-V)
PHY-3510 SEC (I): Energy Studies

Lectures: 36

Elective

(Credits-02)

Course Objectives:

1. Students understand the comparative aspects, advantages and disadvantages of various sources of energy. They understand the facts and myths regarding the energy sources.
2. Students learn the basic principles involved and technologies developed in the uses of solar energy, biomass energy, wind energy, fuel cells.
3. Students understand the challenges and opportunities in conversion of energy from one form to another, generation of electricity and mechanical work using different energy sources.
4. Students get acquainted with challenges and recent trends in energy storage devices and they learn more about super-capacitors and batteries, electrical vehicles. They can imagine about future road maps in the fields of energy conversion and storage technologies.

Course Outcomes:

1. Students become capable of conducting energy audits and give consultancy in that field.
 2. Students can design different types of solar heaters for small domestic as well as large scale community level applications.
 3. Students acquire skills to implement solar P-V systems at domestic levels as well as for office premises and educational institutions. Students become able to start their own enterprise in net metering.
 4. Students get ideas and hence become self-employed in the field of design, production, commissioning and implementation of bio-mass energy sources, bio-gas plants, gasifiers, wind mills, hybrid systems etc.
 5. Students can go for research in the fields of super-capacitors, battery technologies, fuel cells and material synthesis for implementation of these technologies.
 6. Students become successful entrepreneurs in the energy field.
- Students strive to make the regions where they live and work self-sufficient in generating and fulfilling their own energy needs using different energy solutions.

Unit No.	Topic	Lectures
1	An Introduction to Energy Sources: Classification and comparison of energy sources (hydro, thermal, nuclear, solar, wind, biomass, and fossil fuels) considering environmental, safety, economy, production and distribution aspects. Facts and Myths about various sources of energy, thermal, nuclear sources of energy, Hybrid sources. Energy audit. Activity: 1. Energy audit of college campus/public campus/home/building 2. Comparison of energy sources. Visits to energy generation/distribution sites.	6
2	Solar thermal Applications: Sun as a source of energy, Solar Constant, Liquid flat plate collector, construction and working. Concentrating collectors, Solar drying, Solar water heating systems. Activity:	6



	<ol style="list-style-type: none"> 1. Study of solar water heaters 2. Study of large scale solar heaters for industrial/cooking/water heating applications. 3. Study of flat plate, parabolic solar concentrators 	
3	<p>Solar Photovoltaic systems Applications: Photovoltaic principle, Power output and conversion efficiency, Limitation to photovoltaic efficiency, Basic photovoltaic system for power Generation, Application of solar photovoltaic systems, Advantages and disadvantages of Solar PV Systems-Configurations of Solar Photovoltaic Systems: Off-grid, Grid-Tied and Grid-Storage, Net metering and steps in installation of a rooftop solar PV System design. Activity:</p> <ol style="list-style-type: none"> 1. Efficiency measurement of PV systems using I-V characteristics of Amorphous Si, Mono-crystalline Si, Polycrystalline Si in individual, series and parallel combinations. 2. Effect of intensity of incident light, incident angle and shading on Solar PV Module on Output power. 3. Study of design of solar lanterns, street lights using solar systems 4. Study of Installation and commissioning of roof top solar PV systems 5. Study of net metering systems 	8
5	<p>Biomass and wind energy: Bio-mass conversion technologies, Bio-gas generation, Working of biogas plant, Bio-gas from plant wastes, Methods for obtaining energy from biomass, Thermal gasification of biomass, Introduction to wind energy, Classification and description of wind machines, Wind energy, Wind data. Activity</p> <ol style="list-style-type: none"> 1. Visit to bio gas plant 2. Visit to bio diesel plants 3. Study of modified bio mass plants 4. Design and implementation of domestic/small scale biogas plants. 5. Study of different types of gasifiers 6. Study of wind mill / visit to wind mill 	8
	<p>Energy storage devices and electrical Vehicles : Recent trends in batteries, super-capacitors, fuel cells. Applications of storage devices: Electrical Vehicles (EV), Converter, Inverter, Controls & Controllers in EV, Future Trends in Electric Cars. Activity</p> <ol style="list-style-type: none"> 1. Preparation and testing of fuel cell on Laboratory scale 2. Preparation and testing of super capacitors on Laboratory scale 3. Preparation and testing of paper batteries and other types of batteries on Laboratory scale. 4. Design and implementation of battery-operated toys using green technology 	8

Reference books:

1. Non-conventional Energy sources- G. D. RAI (4th edition), Khanna Publishers, Delhi
2. Solar Energy - S. P. Sukhatme (Second Edition), Tata Mc Graw Hill Ltd., New Delhi.
3. Solar Energy Utilisation - G. D. RAI (5th edition), Khanna Publishers, Delhi.



Savitribai Phule Pune University, Pune

For All faculties

**2 credit Compulsory course for all the First Year students in All
Faculties**

Democracy, Election and Governance

Objectives:

1. To introduce the students meaning of democracy and the role of the governance
2. To help them understand the various approaches to the study of democracy and governance

Module 1 Democracy- Foundation and Dimensions

- a. Constitution of India
- b. Evolution of Democracy- Different Models
- c. Dimensions of Democracy- Social, Economic, and Political

Module 2 Decentralization

- a. Indian tradition of decentralization
- b. History of Panchayat Raj institution in the post independence period
- c. 73rd and 74th amendments
- d. Challenges of caste, gender, class, democracy and ethnicity

Module 3 Governance

- a. Meaning and concepts
- b. Government and governance
- c. Inclusion and exclusion

References:

1. Banerjee-Dube, I. (2014). *A history of modern India*. Cambridge University Press.
2. Basu, D. D. (1982). *Introduction to the Constitution of India*. Delhi: Prentice Hall of India.

3. Bhargava, R. (2008). *Political theory: An introduction*. Chennai: Pearson Education India.
4. Bhargava, R., & Vanaik, A. (2010). *Understanding Contemporary India: Critical Perspective*. New Delhi: Orient Blackswan.
5. Chandhoke, N., & Proyadardhi, P. (Ed.). (2009). *Contemporary India: Economy, Society, Politics*. Chennai: Pearson Education India.
6. Chandra, B. (1999). *Essays on contemporary India*. New Delhi: Har-Anand Publications Pvt Ltd.
7. Chatterjee, P. (1997). *State and Politics in India*. New Delhi: Oxford university Press.
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