



# **OPEN ELECTIVES**

## **SECOND SEMESTER**

**OPEN ELECTIVE BASKET  
SECOND SEMESTER  
2023-24**

S.No	Open Elective	Department	Code
1	Cricket	Sports	SP3270
2	Kabaddi	Sports	SP3271
3	Volleyball	Sports	SP3272
4	Dance Forms	Performing Arts	PA3270
5	AI in Modern World	GTH	GT3271
6	Photography	Fine Arts	FA3270
7	Graphology	Forensic sciences	FS3270
8	First Aid	Pharmacy	PM3270
9	Word Press & Blogging	GTH	GT3270

SP3270	Title: Cricket	L T P C 3 0 0 3
Version No.	1.0	
Objectives	To encourage student to participate in sports for their passion and to develop the physical, mental and social skills in students.	
Course Outcomes	The student will be able to-  CO1: Use all types of bowling techniques CO2: Use all types of batting techniques CO3: Explain the Cricket rules and playing conditions	
List of Activities		
<div>1. Front foot defense, Blackfoot defense Drive:<ul style="list-style-type: none"><li>Off Drive.</li><li>Straight Drive</li><li>Cover Drive.</li><li>On Drive, Short play, Cut shot, Pull shot, hook shot, sweep shot lofted shots.</li></ul></div> <div>2. Medium pace bowling, fast bowling, spin bowling.</div> <div>3. Inside 30 yard fielding, boundary fielding ,wicket keeping, slip fielding.</div> <div>4. Running between the wickets, fitness test:<ul style="list-style-type: none"><li>Yoyo test.</li><li>Sprinter test.</li><li>2km test</li></ul></div> <div>5. Measurement of cricket pitch, rule of 30 yard circle ,playing condition on cricket Ground.</div>		
Text Books	Practice Session	
Reference Books	Practice Session	
Mode of Evaluation	Continuous Internal and End Semester Examination	
Recommended by Board of Studies on	23-12-2022	
Date of Publication after Approval in the Academic Council	16-01-2023	

SP3271	Title: Kabaddi	L T P C 3 0 0 3
Version No.	1.0	
Objectives	The game calls for proactiveness, presence of mind, team management, physical strength & understanding opponent’s strategy The main objective of this game is to give practice to students how to grab points by raiding into the opponent’s court & touching as many opponent players as possible without getting caught on a single breath.	
Course Outcomes	Students will be able to CO1 Exhibit Physical fitness & concentration to play Kabaddi CO2 Use Kabaddi techniques and strategies. CO3 Explain the Kabaddi rules and playing conditions.	
List of Activities		
<ul style="list-style-type: none"><li>• Warm-up: Running, Push-up, Squat</li><li>• P.T exercise</li><li>• Touching with hand</li><li>• Various kicks.</li><li>• Crossing of baulk line.</li><li>• Crossing of the bonus line.</li><li>• Luring the opponent's catch.</li><li>• Bringing the antis in to particular position.</li><li>• Escaping from various holds.</li><li>• Techniques of escaping from chain formation.</li><li>• Combined formations in offense vs defense.</li></ul>		
Text Books	Practice Session	
Reference Books	Practice Session	
Mode of Evaluation	Continuous Internal and End Semester Examination	
Recommended by Board of Studies on	23-12-2022	
Date of Publication after Approval in the Academic Council	16-01-2023	

SP3272	Title: Volley Ball	L T P C 3 0 0 3
Version No.	1.0	
Objectives	The purpose of this course is to introduce students to basic skills and knowledge associated with volleyball. By applying these principles through active participation, students develop the necessary skills and knowledge to play volleyball. In addition, this course provides opportunities to students to improve physical fitness, acquire knowledge of fitness concepts and practice positive personal and social skills..	
Course Outcomes	The students will be able to  CO1 Exhibit Physical fitness & concentration to play Volleyball. CO2 Use Volleyball techniques and strategies. CO3 Explain the Volleyball rules and playing conditions.	
List of Activities		
<ul style="list-style-type: none"><li>• Playing Area, Net and Posts, Balls, Teams, Team Leaders.</li><li>• Score A Point , Win a Set and the Match, Structure of Play, States of Play, Playing The Ball, Ball at the net, Player at the Net, Service, Attack Hit, Block.</li><li>• Interruptions, Game Delay, Exceptional Game Interruptions, Intervals And Change Of Courts, The Libro Player.</li><li>• Requirements of Conduct, Misconduct and Its Sanctions, Refereeing Corps And Procedure, 1st Referee, 2nd Referee, Scorer, Assistant Scorer, Line Judges, Official Signals.</li><li>• Ground marking, Rules, Officiating.</li></ul>		
Text Books	Practice Session	
Reference Books	Practice Session	
Mode of Evaluation	Continuous Internal and End Semester Examination	
Recommended by Board of Studies on	23-12-2022	
Date of Publication after Approval in the Academic Council	16-01-2023	

PA3270	Title: Dance Forms	L 3	T 0	P 0	C 3
Version No.	1.0				
Objectives	This course intends to provide basic knowledge of Bollywood dance, Folk dance, Free style, Classical and Western dance. Focusing on basic movements, hand gestures, rhythmic patterns and communicative expressions, this course is designed to provide students with a solid foundation from which to perform Bollywood dance, including an emphasis on storytelling through movement, specificity, posture, strength, alignment and coordination				
Course Outcomes	Students will be able to : CO1 Perform on one form of Bollywood Dance CO2 Perform on one form of Folk Dance and Free style CO3 Perform on one form of Classical Dance				
List of Activities					
<ul style="list-style-type: none"><li>Practice of Bollywood dance form</li><li>Practice of folk dance style.</li><li>Practice of Free style dance</li><li>Practice basic Movement and movement techniques in classical dance.</li></ul>					
Mode of Evaluation	Continuous Internal and End Semester Examination				
Recommendation by Board of Studies on	23-12-2022				
Date of approval by the Academic Council	16-01-2023				

<b>GT3271</b>	<b>Title: AI in the Modern World</b>	<b>L T P C</b> <b>3 0 0 3</b>
<b>Version No.</b>	<b>1.0</b>	
<b>Objective</b>	The course aims to Equip students to comprehend, analyze, and navigate the dynamic interplay between AI trends, challenges, ethical issues, and their societal impact in a rapidly evolving landscape.	
<b>Course Outcomes</b>	The Students will be able to: CO1 Understand the history, types, and applications of AI, and critically assess the ethical and social implications surrounding AI technology. CO2 Comprehend and apply supervised and unsupervised learning algorithms. CO3 Explore and apply Natural Language Processing, Computer Vision, Speech Recognition, Robotics, and Recommender Systems in diverse real-world scenarios. CO4 Gain a comprehensive understanding of neural networks, activation functions, backpropagation, convolutional and recurrent neural networks. CO5 Analyze and discuss emerging trends in AI and recognize the challenges and opportunities in the field.	
<b>Unit No.</b>	<b>Unit Title</b>	<b>No. of Hrs (per Unit)</b>
<b>Unit I</b>	<b>Introduction to AI</b>	<b>7</b>
Overview of Artificial Intelligence (AI), History and Development of AI, Types of AI, Applications of AI, Ethical and Social Implications of AI		
<b>Unit II</b>	<b>Machine Learning Fundamentals</b>	<b>8</b>
Supervised Learning Algorithms, Unsupervised Learning Algorithms, Reinforcement Learning, Ensemble Methods, Evaluation of Machine Learning Models		
<b>Unit III</b>	<b>Applications of Machine Learning</b>	<b>7</b>
Natural Language Processing, Computer Vision, Speech Recognition, Robotics, Recommender Systems		
<b>Unit IV</b>	<b>Neural Networks</b>	<b>8</b>
Introduction to Neural Networks, Types of Neural Networks, Activation Functions, Backpropagation, Convolutional Neural Networks (CNN), and Recurrent Neural Networks (RNN)		
<b>Unit V</b>	<b>The Future of Artificial Intelligence</b>	<b>7</b>
Emerging trends in AI, Challenges and opportunities in AI, AI and the future of work, AI and society, AI and Data Privacy, The Future of Work and AI, AI and Social Justice		

<b>Text Books</b>	1 "Artificial Intelligence: A Modern Approach" by Stuart Russell and Peter Norvig, Pearson, 4th Edition, 2020. 2. "The Hundred-Page Machine Learning Book" by Andriy Burkov, 2020. 3. "AI Superpowers: China, Silicon Valley, and the New World Order" by Kai-Fu Lee, Houghton Mifflin Harcourt, 2018.
<b>Reference Books</b>	1. "Ethics of Artificial Intelligence and Robotics" edited by Vincent C. Müller, Routledge, 2020. 2. "Artificial Intelligence and Ethics: A Critical Introduction" by Mark Coeckelbergh, Routledge, 2020.
<b>Mode of Evaluation</b>	Continuous Internal and End Semester Examination
<b>Recommendation by Board of Studies on</b>	10-04-2023
<b>Date of publication after approval in the Academic Council</b>	19-07-2023



FA3270	Title: Photography	L 3	T 0	P 0	C 3
Version No.	1.0				
Objectives	The content of this syllabus is lucid enough for students to comprehend the technical aspects of photography. The student will familiarize himself with photographic equipment, materials, methods, processes, editing and relevant professional handling required in the challenging situations in photography.				
Course Outcomes	The students will be able to: CO1 Classify the Lighting techniques CO2 Explain various types of photography techniques CO3 Edit the pictures by using Image enhancement techniques				
List of Activities					
	<ul style="list-style-type: none"><li>Types of cameras (DSLR, Aim n’ shoot, Mobile phone, Field camera for vblog),</li><li>Professional equipment,</li><li>Camera Functions :Basic camera settings, ISO settings, Aperture, Shutter speed, f-stop numbers, Exposure triangle, White balance</li><li>Techniques of lighting, High Dynamic Range (H.D.R.), Shadows and Light, Natural Light Portraits, Portraits with reflector</li><li>Photography Techniques Photography: Macro, Portraiture, Landscape, Still Life, Monochrome. Photography Composition, Rules for composition, Cellphone Photography, Use of tripod, Self-timer controls, Self Portraits,</li><li>Editing and Applications :Learning Adobe Lightroom, Image enhancement and extensions, Image output.</li></ul>				
Text Books	Live Demonstration and Practice Sessions				
Reference Books	Live Demonstration and Practice Sessions				
Mode of Evaluation	Continuous Internal and End Semester Examinations				
Recommended by Board of Studied on	23-12-2022				
Date of Approval by the Academic Council on	16-01-2023				

<b>FS3270</b>	<b>Title: Graphology</b>	<b>L T P C</b> <b>3 0 0 3</b>
<b>Version No.</b>	<b>1.0</b>	
<b>Course Prerequisites</b>	Nil	
<b>Objectives</b>	This course is directed towards anyone interested in learning more about, not only yourself but other people's characters. With or without their knowledge. You can use the skills of Graphology to find hidden areas of the character that may be overlooked, un-dealt with and causing people or yourself problems.	
<b>Course Outcomes</b>	The student will be able to: CO1 Apply the basic fundamentals of graphology CO2 Analyze different handwriting features for graphological studies CO3 Analyze personality w.r.t graphology CO4 Evaluate forensic significance of graphology CO5 Evaluate applications of graphology in different sector	
<b>Unit No.</b>	<b>Unit Title</b>	<b>No. of hours (per Unit)</b>
<b>Unit I</b>	<b>Introduction</b>	<b>7</b>
Graphology definition, history, prediction and reality with case studies, principles of graphology, graphology as art with instances, graphology as science with instances, need of graphology in different professions.		
<b>Unit II</b>	<b>Handwriting analysis</b>	<b>8</b>
Definition of handwriting, principles of handwriting, gestalt method of handwriting, the trait method of handwriting, different ways of writing such as mouth writing etc, relevant factors affecting handwriting, graphology and psychosexual stages of development, mental illness and graphology		
<b>Unit III</b>	<b>Graphology and Personality</b>	<b>9</b>
Personality definition, characteristics of personality, types of personality, self-introspection, self-awareness, thinking patterns, social behavior, work and life balance, stress based graphology.		
<b>Unit IV</b>	<b>Forensic Graphology</b>	<b>7</b>
Forensic science definition, need of forensic graphology, scope of forensic graphology, role of forensic graphologist in criminal investigation, famous case studies on forensic graphology, admissibility of graphology in courts, forensic graphology in national and international scenario		
<b>Unit V</b>	<b>Application of Graphology</b>	<b>8</b>
Psychologist and graphologist, graphology in HR professionals, graphology for coaches, trainers, health professionals, prisoners, elderly, astronomy and numerology.		
<b>Text Books</b>	Karen K A , Ruiz S Handwriting Analysis: The Complete Basic Book.	
<b>Reference Books</b>	1 Howard, Clifford, Graphology by, The Penn Publishing Co, Philadelphia, HB 2 Gerald D GRAPHOLOGY FOR EVERYMAN, and Co. Ltd, Henrietta Street, London W.C. 2, Publication Date: 1957	
<b>Mode of Evaluation</b>	Continuous Internal and End Semester Examination	
<b>Recommended by Board of Studied on</b>	22-12-2022	
<b>Date of Approval by the Academic Council on</b>	16-01-2023	

<b>PM3270</b>	<b>Title: First -Aid (The Emergency Treatment)</b>	<b>L T P C</b> <b>3 0 0 3</b>
<b>Version No.</b>	<b>1.0</b>	
<b>Objective</b>	First-Aid study gives students in-depth instruction in the basic life support skills including cardiopulmonary resuscitation Providing first aid of simple and multiple system trauma such as Controlling hemorrhage, Managing Burns, and wounds, manually stabilizing injured extremities, identifying signs of Stroke and heart attack and safe transfer after first aid without delay in transfer. Manage general medical complaints seizures and animal bites (snake /dog bite)	
<b>Course Outcomes</b>	Students will be able to: CO1 Analyze about the normal functions of human body to know the body is notfunctioning properly, variety of forms of sudden illness CO2 Examine how to prevent medical emergency CO3 Explain the various types of burns and their Management. CO4 Evaluate the various types of soft tissue Injuries and their management. CO5 Illustrate the poisoning and identification of foreign bodies in various organ and their management.	
<b>Unit No.</b>	<b>Unit Title</b>	<b>No. of Hrs (Per Unit)</b>
<b>Unit I</b>	<b>Basic of First Aid</b>	<b>5</b>
First aid basics: first aid, importance of first aid, first aider, laws of first aid, contents of an ideal first aid kit, dealing with an emergency.		
<b>Unit II</b>	<b>Emergency Response</b>	<b>5</b>
Emergency response: CPR, steps for performing CPR, CPR for newborns and infants, recovery position, first aid in drowning, fractures of bones, causes and types of fractures, dislocation.		
<b>Unit III</b>	<b>Burns</b>	<b>5</b>
First aid in burns: Types of burns, danger of burns, first aid in dry burns and scalds, electrical burns, chemical burns, sunburn, heatstroke.		
<b>Unit IV</b>	<b>Wounds and Injuries</b>	<b>7</b>
First aid in wounds and injuries: types of wounds- small cuts and abrasions, Head injury- nose bleed, bleeding gums, bleeding from varicose veins, Shocks- causes of shock and its first aid, wound healing mechanism.		
<b>Unit V</b>	<b>Poisoning and Identification of Foreign Body</b>	<b>8</b>
First aid in poisoning: poisoning by swallowing, gases, injections, skin absorption, Animal bites, snake bites and insect stings. First aid in foreign objects entering the sense organs: foreign body in the eye, ear, nose, skin, swallowing of foreign objects.		
<b>Mode of Evaluation</b>	Continuous Internal and End Semester Examination	
<b>Recommended by Board of Studiedon</b>	23-12-2022	
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<b>GT3270</b>	<b>Title: Wordpress &amp; Blogging</b>	<b>L T P C</b> <b>3 0 0 3</b>
<b>Version No.</b>	<b>1.0</b>	
<b>Course Prerequisites</b>	Nil	
<b>Objectives</b>	The purpose of this course is to develop an understanding of blogging concepts and to build a successful blog using these proven blogging strategies for content, promotion, list building, and monetization.	
<b>Course Outcomes</b>	<p>The students will be able to:</p> <p>CO1 Build a successful blog from scratch or take your existing blog to the next level</p> <p>CO2 Structure website and learn how to setup a website using WordPress.</p> <p>CO3 Structure website for search engines to drive a consistent stream of free traffic and generate new content ideas.</p> <p>CO4 Understand the importance of effective writing and how to become a better writer and how to monetize your blog.</p> <p>CO5 Discover the ways to improve the SEO of your blog.</p>	
<b>Unit No.</b>	<b>Unit Title</b>	<b>No. of hours (per Unit)</b>
<b>Unit I</b>	<b>Blog Foundation</b>	<b>7</b>
The mindset of a Successful blogger, Content Strategy and how to find a perfect niche, Naming & Branding Your Blog.		
<b>Unit II</b>	<b>Setting up Website</b>	<b>7</b>
Why you should use wordpress for your blog, The wordpress editor, wordpress page and posts, Customizing your posts profile, Finding and installing a wordpress theme, How to customize your theme, Wordpress plugins, Security and Backups.		
<b>Unit III</b>	<b>Generating Content Ideas</b>	<b>7</b>
Creation Begins With Consumption, Conducting A Brain Dump, How Your Existing Audience And Content Can Help You Generate New Ideas, Tool For Content Research- Buzzsumo, Ubersuggest, Quora.		
<b>Unit IV</b>	<b>Improving Writing &amp; Monetization</b>	<b>7</b>
<p>Creating Focused Content, How Grammatical Errors Can Cripple Your Efforts, How To Become A Better Writer.</p> <p>The Most Common Way To Monetize A Blog - Google Adsense, Facebook audience Network. Creating &amp; Selling Your Own Products On Your Blog. Using Your Blog To Market Your Services.</p>		
<b>Unit V</b>	<b>Blog SEO</b>	<b>7</b>
Understanding Search Engines, Basic Site Setup For SEO, The Best SEO Plugin For WordPress - Yoast, Optimizing Your Page Titles, Optimizing Your Meta Descriptions, How To Choose The Right Keywords And Create High-Ranking Content On Any Topic, Internal Links, Image Optimization. Semrush basics. Ahref basics. Moz basics.		
<b>Wind Up Project</b>		<b>5</b>
Wind Up Project - SETUP A BLOG USING WORDPRESS.		
<b>Text Books</b>	Trainer Notes/PPT Handouts/Live Demonstrations	
<b>Reference Books</b>	Trainer Notes/PPT Handouts/Live Demonstrations	
<b>Mode of Evaluation</b>	Continuous Internal and End Semester Examination	
<b>Recommended by Board of Studied on</b>	10-04-2023	
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