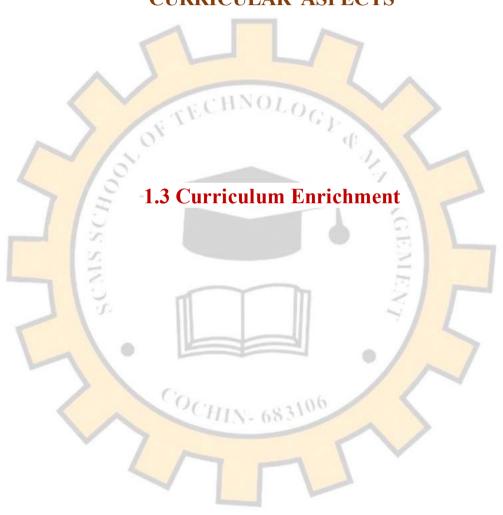
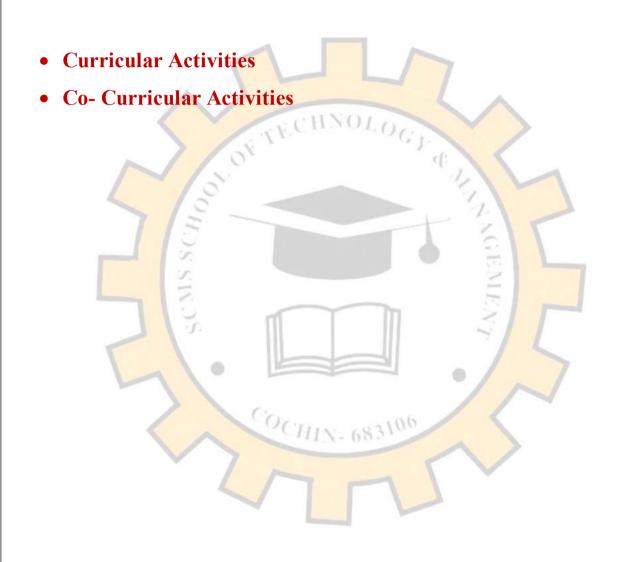


CRITERIA 1 CURRICULAR ASPECTS



1.3.1. Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum



Curricular Activities

Participating in curricular activities can be a valuable part of a student's education and can help prepare them for success both in and out of the classroom. To address the crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, the syllabi of Mahatma Gandhi University followed by SSTM has incorporated several courses under various programs.

List of Courses

Courses with issues relevant to Professional Ethics

S.NO	COURSE NAME	PROGRAMME	SEMESTER
	TECHN	NAME	
	Dimensions And Methodologies of	d.	
1	Busines <mark>s Studies</mark>	BCOM	
2	Marketing <mark>man</mark> agement	B.Com	3
	Entrepreneurship Development & Project		2 1
3	Management	BCOM	4
	Personality Development And	E	
4	Management Skills	BBA	3
5	Organi <mark>zational B</mark> ehaviour	BBA	5
		BSC	
6	Theories and practices in counselling	PSYCHOLOGY	6
	Software Engineering & Project	0831	
7	Management	IMCA	7
8	Research Methodology	IMCA	6
9	Legal Environment of Business	MBA	1
10	Business Research Methods	MBA	2
11	MIS & Cyber Security	MBA	2
12	Business Ethics & Corporate Governance	MBA	3
13	Employability Skills Training- Phase I	MCA	1
14	Information Security and E-Commerce	MCA	5
15	Genetic Engineering, Bioethics & IPR	MSC - Biotech	3

Courses with issues relevant to Gender

S.NO	COURSE NAME	PROGRAMME	SEMESTER
		NAME	
	Environment Management and Human		
1	Rights	BCOM	5
	Entrepreneurship Development & Project		
2	Management	BCOM	4
3	Environment Science And Human Rights	BBA	5
4	Entrepreneurship Development	MBA	2
	Environmental psychology and Human	BSC	^
5	rights Human r <mark>ight and UN</mark>	PSYCHOLOGY	5

Courses with issues relevant to Human Values

S.NO	COURSE NAME	PROGRAMME	SEMESTER
	38	NAME	
	Environmental psychology and Human	BSC	
1	rights H <mark>uman right</mark> and UN	PSYCHOLOGY	5
2	Human Resource Management	BBA	3
3	Environment Science And Human Rights	BBA	5
4	Organizational Behaviour	BBA	5
5	Counselling Skills For Managers	MBA	4
6	Human Resource Management	MBA	2

Courses with issues relevant to Environment and sustainability

S.NO	COURSE NAME	PROGRAMME	SEMESTER
		NAME	
	MOOC - Organic farming & Manure		
1	making	BCA , B.Com	4
	MOOC -Organic farming & Manure		
2	making	BCA, B.Com	5
	Dimensions And Methodologies of		
3	Business Studies	BCOM	1
	Environment Management and Human		
4	Rights	BCOM	5
5	Environmental Economics	BA	5
6	IT and Environment	BCA	5
7	Plant Biotechnology	BSC - Biotech	4
8	Genetic Engineering, Bioethics & IPR	MSC - Biotech	3
	Environm <mark>ental</mark> psychology and Human	BSC	
9	rights Hu <mark>man</mark> right and UN	PSYCHOLOGY	5
10	Envi <mark>ronment Science and Human Rights</mark>	BBA	5
11	Organizatio <mark>nal</mark> Behavior	BBA	5
12	Environment Management	MBA	1
13	Services Marketing	MBA	3
14	Industrial Safety	MBA	4
15	Consumer Be <mark>haviour</mark>	MBA	4
16	Entrepreneurship Development	MBA	2

Dr. G. SASHI KUMAR
PRINCIPAL
SCMS SCHOOL OF TECHNOLOGY AND MANAGEMENT

Co-Curricular Activities

To integrate issues relevant to gender, environment and sustainability, human values and professional ethics, the Institution has conducted various activities.

List of Activities

Activities relevant to Gender

S No	Name of the Program	Year
1	International Women's Day celebrations	2021-22
2	Workshop on jewe <mark>lry making</mark>	2021-22
3	National Science Day celebrations	2021-22
4	Woman, The Multitasker	2021-22
5	International Day of Elimination of violence against women	2021-22
6	Awareness Session on Female Health and Hygiene	2021-22
7	Female Health & Hygiene	2021-22
8	International Women's day celebrations	2020-21
9	An Expedition to Arctic	2020-21
10	National Girl Child Day, 2021	2020-21
11	Legacy of a woman- The cradle of civilization	2020-21
12	Catch 'em Young- Early detection of breast cancer	2020-21
13	International Women's day celebrations	2019-20
14	International Women's day Celebrations - Self defence workshop, poster competition and games	2019-20
15	Personal & Menstrual hygiene	2019-20
16	Awareness of cervical cancer & prevention	2019-20
17	Women- the hunted lot	2019-20
18	Eco feminsim	2018-19
19	Breast Cancer Awareness Programme	2018-19
20	Inauguration of womens club Swara	2018-19
21	Health and Breast Cancer awareness programme	2017-18
22	Women's Day	2017-18

Activities relevant to Environment and Sustainability

S No	Name of the Program	Year
1	Hug a Tree Campaign	2021-22
2	Road Safety Awareness Program	2021-22
3	Campus Cleaning	2021-22
4	Puthu Vypin Beach Cleaning	2021-22
5	World enviornment Day - Paper Pen Making	2021-22
6	Planting medicinal Plants	2021-22
7	International Yoga Day	2021-22
8	World Environment Day_(Plant a tree)	2020-21
9	Poster Designing Competition	2020-21
10	Clean Kochi Drive	2020-21
11	World Environment day - Exhibition on cloth bags	2019-20
12	Clean campus green campus	2019-20
13	World environment day Nature club inauguration	2019-20
14	Paper bag making	2019-20
15	Awareness programme on road safety-Akasmika 2019	2019-20
16	World Population Day - Drawing Competition - Clean campus green campus	2019-20
17	Road Cleaning	2019-20
18	Swatchatha Pakhwada –Pledge	2019-20
19	Training session on Waste Managemnent	2019-20
20	Cartooning Competition and Cleaning at Kattepadam	2019-20
21	World Environment Day Celebration	2018-19
22	Rain Havoc Relief	2018-19
23	3 day Camp on organic farming	2017-18
24	Organic Literacy Program – Jaivom	2017-18
25	Awareness rally on organic farming	2017-18
26	7 day Camp	2017-18
27	Cleaning activity - Gandhi Jayanti Celebration,	2017-18

Activities relevant to Professional Ethics

S No	Name of the Program	Year
1	Learn to love yourself – A lesson never taught	2021-22
2	Stand for what is right, Workshop by TVS Raider & Josh Talks	2021-22
3	Reading week celebration	2021-22
4	International Youth Day- Online Quiz	2021-22
5	Vigilance Awareness week	2021-22
6	Palada Payasamela on Kerala Piravi	2021-22
7	Reading day Celebration	2021-22
8	Online Cyber Security	2021-22
9	National Level Online Quiz	2020-21
10	Know your rights	2019-20
11	Short film	2019-20
12	Training session on 'Online Cyber Security'	2019-20
13	Reading day	2019-20
14	Anticorruption oath	2019-20
15	Lakshya: Training on Excel, Tally	2018-19
16	Online Cyber Security Awareness	2018-19
17	Vigilance Workshop on Eradicating Corruption	2018-19
18	Reading Day Celebration	2018-19
19	Reading Day Celebration	2017-18

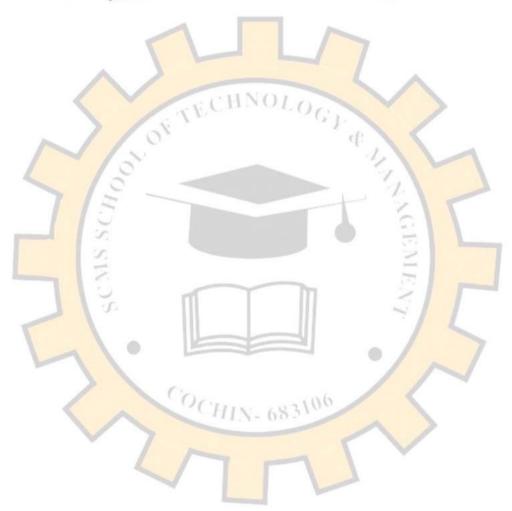
Activities relevant to Human Values

S No	Name of the Program	Year
1	International Day of Older Persons	2021-22
2	Drug Free India (Webinar)	2021-22
3	Blood Donation	2021-22
4	Child Protection Laws and Childline Services	2021-22
5	Awareness Session on Maintenance act and Dementia	2021-22
6	Day with Dad	2021-22

7	Drug Free India	2021-22
8	Kargil Vijay Divas 2022	2021-22
9	75th Independence Day Celebration	2021-22
10	Flood Relief Collection	2021-22
11	Donation to Blind School , Aluva	2021-22
12	Solace- A Cloth Donation Drive	2021-22
13	Coronavirus	2020-21
14	POCSO Act	2020-21
15	NSS Seven Day Camp	2020-21
16	International Yoga Day	2019-20
17	Palliative Care Training	2019-20
18	Blood donation	2019-20
19	Constitution Day celebration	2019-20
20	Pre awareness camp on Stem cells donation	2019-20
21	Basic life Support Awareness	2019-20
22	Fire and Safety Awareness Session	2019-20
23	Eye Checkup camp	2019-20
24	Mending the nursery school	2019-20
25	Flood Relief Activities	2019-20
26	NSS Day Celebration	2019-20
27	Three Day Residential Camp	2019-20
28	Orphanage Visit & Book Donation	2018-19
29	Awareness Programme on Blood Donation & AIDS controll	2018-19
30	Anti-Narcotic Club Formation	2018-19
31	International Yoga Day	2018-19
32	Seminar on Challenge Cancer	2018-19
33	Rebuild Kerala in association with grama panchayath	2018-19
35	Chekutty Making Workshop	2018-19
36	International Happiness Day celebrations	2018-19
37	Blood Donation Camp	2018-19
38	Eye Testing Camp	2018-19
39	Survey for Rebuild Kerala	2018-19
40	Run for Unity - Rashtriya Ektha Diwas	2018-19
41	Essay Writing Competition	2018-19
42	International Yoga Day Celebration	2017-18

43	Reminder to Young Generation	2017-18
44	Blood Donation Camp	2017-18







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Stream	

SEMESTER 1

Core Course -1: DIMENSIONS AND METHODOLOGY OF BUSINESS STUDIES

Instructional Hours: 54 Credit: 2

Objectives

- *To understand business and its role in society*
- To have an understanding of Business ethics and CSR
- To comprehend the business environment and various dimensions
- To familiarise Technology integration in business
- To introduce the importance and fundamentals of business research

Module 1

Business and Environment Business- Functions - Scope - Significance of business - Objectives of business - Business and development - Forms of business organisations- Stake holders of business- Business Environment - Definition - Features- Importance - Components of business environment- Internal environment and external environment - Micro environment and macro environment- Global business environment (10 Hours)

Module 2

Business in India- Stages and developments of business in the Indian economy since independence - Role of public, private, co-operative sectors - Liberalisation, Privatisation and Globalization - Disinvestment - Outsourcing -Recent economic initiatives - Niti Ayog - Make in India initiative (10 Hours)

Module 3

Technology integration in business- E Commerce- Meaning- Functions - Operation of E-commerce - Types of E-Commerce -B2C-B2B-C2C- C2B- B2E- B2G- P2P- E-Commerce and E-Business - M-Commerce- Meaning- Advantages- Challenges - E-Payment systems (brief study) Debit/Credit card payment, Net banking, Digital wallet, e-cheque, e-cash - Payment gateway. (14 Hours)

Module 4

Business Ethics – Importance - Principles of business ethics - Factors influencing Business Ethics - Arguments in favour and against business ethics - Social responsibility of business – objectives and principles - Arguments in favour and against social responsibility. Corporate Governance – Meaning and importance – Objectives – Principles (10 Hours)

Module 5

Business Research – Research- Meaning and Definition- Importance of research- Quantitative and qualitative approach to research-Inductive and deductive reasoning- Major Types of Research (Pure-Applied - Exploratory- Descriptive- Empirical- Analytical) - Business Research- Elements of Business Research-Management Research - Objectives- Research Methods vs Research Methodology -Research Process(brief outline only) –Research report (10 Hours)

Suggested Readings

- 1. Keith Davis and William C.Frederick: Business and Society Management, Public Policy, Ethics.
- 2. Peter F. Drucker: Management Tasks, Responsibilities, Practices.
- 3. Peter F Drucker: The Practice of Management.
- 4. P.T.Joseph, S.J, E-Commerce: An Indian Perspective, Prentice Hall of India
- 5. Kamalesh K Bajaj and Debjani Nag: E-Commerce, the Cutting Edge of Business:, Tata McGraw Hill.
- 6. Schneider: E-Commerce:, Thomson Publication
- 7. CSV Murthy, Business Ethics, Himalaya Publishing House, Mumbai
- 8. C R Kothari Research Methodology, New Age Publishers
- 9. O R Krishnaswamy: Research Methodology- Himalaya Publications
- 10.N V Badi and R.V. Badi: Business Ethics: Vrinda Publications
- 11. Cherunilam, Fransis, Business environment, Himalaya Publishing House, Mumbai.
- 12. Fernando, A, C,. Business Environment, Pearson, New Delhi
- 13 Francis, Ronald & Mishra, Muktha, Business Ethics: An Indian Perspective, *Tata McGraw Hill Pvt Ltd*, *New Delhi*
- 14 Sharma, J.P., Corporate Governance, Business Ethics, and CSR, Ane Books Pvt Ltd, New Delhi.
- 15. Ghosh, B.N., Business Ethics and Corporate Governance, Tata McGraw Hill Pvt Ltd, Delhi.

Core Course -2: FINANCIAL ACCOUNTING-I

Instructional Hours: 90 Credit: 4

Objective:

To equip the students with the skill of preparing accounts and financial statements of various types of business units other than corporate undertakings

Module - I

Preparation of Financial Statements –Conceptual framework- Accounting Principles - Accounting Concepts - Accounting Conventions- - Capital and Revenue Expenditure - Capital and Revenue Receipts - Capital and Revenue Losses - Deferred Revenue Expenditure—Accounting Standards- Objectives -Final Accounts of Sole Trader - Trading Account - Manufacturing Account - Profit and Loss Account - Balance Sheet - Adjusting entries - Closing Entries- Practical Problems with all Adjustments.

(26 Hours)

Module -II

Accounting of Incomplete Records - Single Entry System - Features - Advantages - Disadvantages - Distinction between Single Entry and Double Entry System- Ascertainment of Profit/loss - Statement of Affairs Method - Conversion Method - Steps for Conversion of Single Entry into Double Entry - Preparation of Trading and Profit and Loss Account and Balance Sheet.

(20 Hours)

Module - III

Royalty Accounts – Meaning – Minimum Rent – Short Working – Recovery– Journal Entries in the books of Lessor and Lessee – Preparation of Minimum Rent Account – Short Working Account – Royalty Account (Excluding Sublease)– Special Circumstances: Adjustment of Minimum Rent in the event of Strike and Lock - outs - Govt. Subsidy in case of Strikes/Lockouts

(18 **Hours.**)

Module - IV

Module II

Primary Market- Functions of New Issue Market - Methods of New Issue - IPO - FPO - ASBA- Green Shoe Option- Public Issue - Bonus Issue- Right Issue- Private Placement-Book Building - ESOP-Indian Depository Receipts - Intermediaries in the New Issue Market-Registrars to the Issue-Brokers to the Issue-Bankers to the Issue - Underwriters-Qualified Institutional Placement and Qualified Institutional Buyers- Innovative Financial Instruments. (14 Hours)

Module III

Secondary Market- Role and Functions of Stock Exchanges - Listing of Securities - Stock Exchanges in India - Members of the Stock Exchanges- Methods of Trading in a Stock Exchange- Online Trading-Depositories - Role - Mark to Market System - Stock Market Indices - Methodology for Calculating Index.- Type of Speculators- Speculative Transactions in Stock Exchanges - Insider trading - SEBI regulations- Foreign Institutional Investors in Securities market- Foreign Portfolio Investment- Private Equity (18 Hours)

Module IV

Mutual Funds -Meaning- Objectives- Advantages - Classification of Mutual Funds-Exchange Traded Fund- Constitution and Management of Mutual Funds in India- AMFI- Concept of Net Asset Value - Advantages and limitations of Mutual Funds- (12 Hours)

Module V

Derivatives (Brief study only)- Features of Derivatives -Types of Derivatives - Forwards - Futures-Options-Swaps- Commodity Futures - Major Commodity Exchanges in India (12 Hours)

Suggested Readings

- 1. Khan, M.Y., Indian Financial System, *Tata McGraw Hill, New Delhi*.
- 2. Singh, Preethi, Dynamics of Indian Financial System, Ane Books, New Delhi
- 3. Guruswami, S., Capital Markets, Tata McGraw Hill, New Delhi
- 4. Avadhani, V. A., Investment and Securities Market in India, Himalaya Publishing House.

Journals

SEBI and Corporate Laws - Taxmann, New Delhi SEBI Monthly Bulletin

Core Course 10: MARKETING MANAGEMENT

Instructional Hours:54 Credit: 3

Objective: The objective of this course is to provide a sound understanding of the basic principles of marketing management and their applications in the business and industry.

Module I

Marketing Management—Market and Marketing- Meaning- Definition of marketing- Marketing Concepts – Marketing environment- Functions of marketing-Marketing Management- Marketing Mix-

4Ps and 4Cs- Importance of marketing mix- Factors affecting marketing mix- Market Segmentation – Concept – Need – Basis-benefits- Market Targeting- Market Positioning- differentiated and undifferentiated marketing (12 Hours)

Module II

Product Mix- Product – Meaning- Classification of products- -Product Line and Product Mix-New Product development- Steps- Reasons for failure of new products- - Product Life Cycle- - Branding-Types of brand- Brand Equity- Brand Loyalty- Trade Mark- Packaging-Role of packaging- Essentials of good packaging- Product Labelling- Marketing of services- Pricing of Products- Factors Influencing Pricing- Pricing Policies and Strategies -Types of Pricing

(12 Hours)

Module III

Price Mix – Pricing-Factors affecting pricing decision- Role of pricing in marketing strategy- Steps in formulating pricing- Pricing methods and strategies- Pricing of a new product- Resale Price Maintenance

(12 Hours)

Module IV

Physical Distribution Mix- - Logistic and Supply Chain Management – Elements- Channels of Distribution –Types- Factors Affecting the Choice of a Channel of Distribution-Functions of various Intermediaries – retailing- Types of retailing- Direct Marketing- Merits and demerits (12 Hours)

Module V

Recent Trends in Marketing (Overview Only)-Relationship Marketing - Social Marketing -Online Marketing- -Green Marketing-Tele Marketing -Viral Marketing- Relationship Marketing-De-marketing-Remarketing- Guerilla marketing - Ambush Marketing. **(6 Hours)**

Suggested Readings

- 1. Kotler, Philip & Keller, Kevin Lane, Koshy, Abraham, & Mithileshwar Jha, Marketing Management, A South Asian Perspective, *Pearson Education*.
- 2. Armstrong, Gary, and Kotler, Philip, The Essentials of Marketing, Pearson Education, New Delhi
- 3. Majaro, Simon, The Essence of Marketing, *Prentice Hall, New Delhi*.
- 4. Chhabra, T.N., Principles of Marketing, Sun India Publication.
- 5. Czimkota, Marketing Management, Vikas Publishing House (P) Ltd.
- 6. Biplab S Bose, Marketing management, Himalaya Publishing House, Mumbai
- 7. Rajan Nair and Varma M M Marketing Management- Sultan Chand and Sons
- 8. Sontakki C N, Marketing Management- Kalyani Publishers
- 9. Ramaswamy V S and Namakumari Marketing Management, McMillan India Ltd

SEMESTER 4

Core Course 11: CORPORATE ACCOUNTS – II

Instructional Hours -108 Credit - 4

Objective: To equip the students with the preparation of financial statements of insurance companies and to understand the accounting procedure for reconstruction and liquidation of companies.

Course Code MB010208		Knowledge		Type of Course& No. of Credits
				Core Course 4
		Course Obje	ectives	-L
1.	To F	Provide the Participants basic under		e and Significance of
		repreneurship in an economy	o .	o .
2.		nstill a Spirit of Entrepreneurship a	mong the Student Parti	cipants
3.	1	nake the Participants aware about t		
		erprises		
Module No.		e & Contents		No. of Sessions LT(Indicative)
1.	INT	RODUCTION TO ENTREPRENEURSHI	P	
	1.1 I	Entrepreneur and Entrepreneurship		
		Characteristics of Entrepreneurs – Ent	<u>-</u>	
		- Creativity, Problem Solving, Decisio	<u> </u>	
		Leadership, Self-Analysis, Personal E	ies,	
		Risk Taking Behaviour, Technology Bac	скир	
	1.3 Types of Entrepreneurs			
	1.4 Role of Entrepreneur in Economic Development1.5 Factors Affecting Entrepreneurial Growth in India			
2.		REPRENEURIAL PROCESS	viii iii iiiaia	
	2.1 Steps in Entrepreneurial Process – Deciding, Developing, Moving,			ng,
	Managing, Recognizing			3,
	2.2 Identification of Business Opportunities for Small Business -			s - 6 + 3
	Project Ideas, Screening of Project Ideas; Environment Scanning			ing
	and Opportunity Analysis; Technical Analysis			
	2.3 Entry Strategies – New Product, Franchising, Partial Momentum,			ım,
	Sponsorship & Acquisition			
3.		Intellectual Property – Creation & Proto ALL ENTERPRISES AND ENTERPRISE		
٥.		Meaning of Small Scale – Rationale, Ol		s _
		Role of SMEs in Economic Developmen	-	
		Women Entrepreneurship in India – Pr		6+3
	_	SME – Floating of SMEs – Registration -	-	ard
	-	- Machinery & Equipment Selection		
	3.3 Methods of Project Appraisal –Economic Viability and Market Feasibility			ket
	3.4 Requirement of Financial Institutions – Projected Financial			cial
		Statement Preparation		
4.		E OF SUPPORT INSTITUTIONS FOR S		
		Government Policies for Small Scale Inc		
		Role of DICs, SFCs, SIDBI, Entrepreneur	ship Development	2.2
		Institutes (EDIs)		2 + 3

	4.3 Khadi and Village Industries Corporation / Board	
	4.4 Critical Appraisal of Support Institutions & Govt. Policies	
5.	CASE STUDIES ON ENTREPRENEURSHIP	
	5.1 Case Studies – Successful & Unsuccessful Entrepreneurs	
	5.2 Key Variables explaining Success / Failures	2 + 4
	5.3 Industrial Sickness – Reasons	
	5.4 Discussion on Future of SMEs in India	

- 1. Desai Vasant The Dynamics of Entrepreneurial Development and Management –Himalaya Publishing House
- 2. Donald F. Kuratko & Hodgetts Entrepreneurship: Theory, Process & Practice Cengage Learning
- 3. K. Ramachandran Entrepreneurship: Indian Cases on Change Agents TMGH New Delhi
- 4. Morse, Mitchell Cases in Entrepreneurship Sage South Asia Edition
- 5. Gupta C.B. and Srinivasan –Entrepreneurship Development in India Sultan Chand & Sons
- 6. Vasant Desai Project Management & Entrepreneurship Himalaya Publishing House

	Learning Outcomes						
1.	The Participants will be provided basic insights into the Process of						
	Entrepreneurship and its Nuances						
2.	The Participants mayget inspired by the Spirit of Entrepreneurship						
3.	The Participants will get an idea about the Status of Entrepreneurship Ventures in						
	India including Women Entrepreneurship						

BA3PRP15 PERSONALITY DEVELOPMENT AND MANAGEMENT SKILLS (Minor Project)

Core Course

No. of credit : 4 No. of contact hour: 5

Objectives:

The students will have the opportunity to explore current management literature so as to develop an individual style and sharpen his skills in the area of leadership, communication, decision making, motivation and conflict management.

Minor Project and Presentation

Minor projects are takes that added to the knowledge of the students. Atopic shall give each student in the beginning of the semester in various areas of management. The presentation Project either comprises of either the following.

Project Presentation

OR

Case study Presentation*

Suggested Topics for Minor Projects:

- 1. Goals of an Organization
- 2. Work values
- 3. Character Ethics
- 4. Working Conditions
- 5. Decision Making Strategies
- 6. Goal Setting
- 7. Customer Satisfaction and
- 8. Any other relevant topic chooses by the student or assigned by the college.
- * Case study can be chosen by the students in this respective area of interest.

Text Books

- 1. Lather, A.S. Handa, M (2009). Cases in Management. Wisdom Publications.
- 2. M C Garth (2009). Baric Managerial skills for All, 5thed. Prentice Hall India.

Reference Book

1. Ellis (2009). Management Skills for New Managers.

FIFTH SEMESTER

BA5CRT21 ORGANISATIONAL BEHAVIOUR

Core Course

No. of credit : 4 No. of contact hour: 6

Course Objectives

- Understand the implications of individual and group behaviour in organisational context.
- Understand the concept of organisational behaviour, social organisation and the diverse environment alongside with the management of groups and teams
- > Appreciate the culture of organisational culture

Learning Outcome

- Manage conflict amongst groups in business environment
- Comprehend and apply motivational theories in the workplace
- > Identify changes within organisations and power and politics in organisations

MODULE- 1:

Introduction to Organisational Behaviour- Various discipline contributing to OB- Hawthorne experiment- foundation of individual behaviour- need and importance of organisational behaviour-nature and scope- framework of organisational behaviour

MODULE- II:

Personality-types-factors affecting personality-perception-importance-factors influencing perception-learning-types of learning styles-the learning process

MODULE- III:

Motivation-theories-importance –types –values and attributes-characteristics-components-formation and measurement-group dynamics group behaviour-formation-types of groups-stages of group development-conflict management-nature of conflict-types of conflict

MODULE-IV:

Leadership-meaning-importance-leadership styles-leaders Vs. managers-power and politics-sources of power

MODULE-V:

Organisational structure and design-organisational climate- factors affecting organisational climate- organisational development-organisational culture-organisational change- current trend in OB

Core texts

SI No.	Title	Author	Publishing & Year
1	Essentials of Organisational Behaviour	Stephen P Robbins, Timothy A. Judge &SeemaSanghi	Pearson, 10 th edition
2	Organizational behaviour	Bhattacharya	Oxford university Press
3	Organization behaviour	LM Prasad	Sultan Chand & Sons 2005

CHOICE BASED CORE COURSES

Credit:4 Teaching Hours:3/week

PY6CB01 THEORY AND PRACTICE OF COUNSELLING

Objectives:

To understand the process and technique of counselling

To differentiate the various approaches to counselling

To be aware of the assumptions and issues of counselling applications

Module 1: Introduction to Counselling

Definition of counselling, Counselling, Psychotherapy and Guidance as related fields. Counselling as a helping relationship. Scope of counselling, Goals of counselling, Counselling ethics.

Ref:Rao, N.&Sahajpal, P. Pp.26 -65

Module 2: Counselling Process

Stages of counselling process, Variables affecting counselling process: Counsellor Characteristics and skills; counselee characteristics. Core conditions of helping relationship; empathy, unconditional positive regard and congruence.

Ref: Rao, N & Sahajpal, P. Pp. 84-113, Jones, R.N. Pp. 32 – 35

Module 3: Approaches and techniques of Counselling

Briefly explain the view of human nature, Role of counsellors, Goals and strengths and limitations of: Freud, Person centred counselling, Existential counselling and Gestalt counselling, -Techniques: Psychoanalysis(brief), client entered therapy, existential therapy, T.A.

Ref: Gladding, S. T. Pp. 186-218

Rao, N. & Sahajpal, P.Pp.218-223.

Module 4: Cognitive Behavioural approaches and techniques

Briefly explain the view of human nature, Role of counsellors, Goals and strengths and limitations of: behavioural approach, cognitive approach, techniques: behavioural modification, systematic desensitization, social skill training, and cognitive therapy: REBT, Reality, CBT

REF:Ref: Gladding, S. T. Pp. 186-218

Module 5: Indian approaches in Counselling

Indian approach of Yoga and meditation in counselling, type of yogic practices, stages of raja yoga, Indian model of healthy personality, Relaxation techniques: JPMR, hypnosis Rao,n.&Sahajpal,p.

Module 6: Special areas in Counselling

Counselling and rehabilitation of differently abled persons; categories under differently abled, counseling weaker section and minorities; psychological barriers, diagnosis and intervention.counselling for alcohol and substance abusers; role of counselors, rehabilitation and counseling legal offenders and victims of abuse and crisis intervention counseling. Ref: Rao, N. &Sahajpal, P. pp. 317-327,334-335,339-350

Note-Activity based assignments and seminars

Assignments and seminars only on related topics so as to enable students to apply principles and theories studied to analyze phenomena relating to day to day aspect of behavior

References

Gladding, S.T. (2009). *Counselling: A comprehensive profession*(6th ed.). New Delhi: Pearson India.

Jones, R.N. (2012). *Basic counseling skills –A Helper's Manual*; 3rd ed. Sage south Asia ed. Rao, N. &Sahajpal, P. Pp. 317-327, 334-335, 339-350 Rao,S.N. &Sahajpal P.(2013). *Counselling and Guidance*

REFERENCES:

- 1. Object Oriented Programming With Java, Balagurusamy;
- 2. The Complete Reference JAVA by Herbert Schildt, TMH Publication.
- 3. Beginning JAVA, Ivor Horton, WROX Public.
- 4. JAVA 2 UNLEASHED, Tech Media Publications.
- 5. JAVA 2(1.3) API Documentations

IMCA 704 SOFTWARE ENGINEERING & PROJECT MANAGEMENT

MODULE I

Software and Software Engineering: The Nature of Software, The Unique Nature of WebApps, SoftwareEngineering, The Software Process, Software Engineering Practice. Process Models: A Generic ProcessModel, Process Assessment and Improvement, Perspective Process Models, Specialized Process Models.

MODULE II

Understanding Requirements: Requirements Engineering, Eliciting Requirements, Developing Use Cases, Building the Requirements Model, Validating Requirements. Requirements Modeling: RequirementsAnalysis, Scenario-Based Modeling, UML Models That Supplement the Use Case, Data ModelingConcepts, Class – Based Modeling. Software Engineering Project Management: Major issues of SoftwareEngineering, Functions and activities of Management, planning, organizing, staffing, directing andcontrolling a software Engineering Project. Project Evaluation: Strategic Assessment, technical assessment, Cost-benefit analysis, cash flow forecasting, cost-benefit evaluation techniques, Risk evaluation.

MODULE III

Selection of an appropriate project approach: Choosing Technologies, technical plan contents list, choice of process models, structure versus speed of delivery, The Waterfall model, The V-processmodel, the spiral model, Software prototyping, other ways of categorizing software prototypes. Controlling changes during prototyping, incremental delivery, dynamic systems development method, Extreme programming Managing iterative processes, selecting the most appropriate process model

MODULE IV

Software Effort Estimation: Problems with over and under estimates. The basis for Software estimating, Software effort estimation techniques, expert judgment, estimating by analogy, Albrecht function pointanalysis, function points Mark II, Object points, a procedural code –oriented approach, COCOMO: A Parametric Model.

MODULE V

Activity planning: The objectives of activity planning, When to plan, Project Schedules, Projects and activities, Sequencing and scheduling activities, Network planning models, Formulating a network model, Adding the time dimension, Risk Management: The nature of risk, types of risks, Managing Risk, Hazard Identification, Hazard Analysis, Risk planning and control, Evaluating risks to the schedule.

REFERENCES

- Software Engineering Roger S Pressman, 'Software Engineering: A Practitioner's Approach, 7thEdition, McGraw-Hill International Edition, 2010.
- Richard Fairey, 'Software Engineering concepts, Tata McGraw-Hill 2009 reprint
- Software Project Management by Bob Hughes and Mike Cotterell, Tata McGraw-Hill Edition 2004.
- Software Project Management- A unified framework by Walker Royce, Pearson Education, 2003.
- Software Engineering-a Practitioner's approach by Roger S Pressman, Sixth Edition, Tata McGraw Hill.
- Software Management By Donald J Reifer, Sixth Edition, Wiley-IEEE Computer Society Press, 2002.

IMCA 705 OBJECT ORIENTED ANALYSIS & DESIGN

MODULE-I

AN OVERVIEW OF OBJECT ORIENTED SYSTEMS DEVELOPMENT: Introduction, Two Orthogonal Views of the Software, Object Oriented Systems Development Methodology, Why an Object Orientation? WHY WE MODEL: The Importance of Modeling, Principles of Modeling, Object Oriented Modeling

INTRODUCING THE UML: An overview of the UML, A Conceptual Model of the UML, Architecture, Software Development Life Cycle

MODULE-II

BASIC STRUCTURAL MODELING: Classes, Relationships, Common Mechanisms, and diagrams, class diagrams ADVANCED STRUCTURAL MODELING: Advanced classes, advanced relationships, Interfaces, Types and Roles, Packages, Object Diagrams

MODULE-III

SEMESTER VI

IMCA601 RESEARCH METHODOLOGY

Module I:

Meaning of Research – Types of Research.Research process- Problem definition-Objectives of Research- Research design- Data collection –Data Analysis –Interpretation of Results-Validation of Results.Formulation of a Research problem.

Module II:

Basic Statistical measures - Measures of central tendency - Arithmetic Mean, Median, Mode, Geometric Mean, Harmonic Mean, Measures of variation - Range, Mean Deviation, Quartile Deviation, and Standard Deviation.

Module III:

Ethics of Research- Scientific Misconduct- Forms of Scientific Misconduct. Measurement parameters- Measurement of errors - Measurement uncertainty. Statistical test of hypothesis- T-test, Z Test, F-test, Chi-square test.

Module IV:

Guidelines for writing research Papers - Guidelines for writing the abstract, introduction, methodology, results and discussion, conclusion sections of a manuscript. Impact factor-Validity, Merits, limitations. Other measurements of impact.h-index-advantages, criticism of h-index-modification of h-index.

Module V:

Intellectual property rights (IPR)- forms of IPR- patents-copyrights-Trademarks-Industrial design-geographical indication. Protection of plant varieties and farmers rights. Patent Facilating centre - Do's and Don'ts of patents. Introduction to Latex, Basic Latex Commands and Documentation

REFERENCE:

- 1. Research Methodology By R Panneerselvam Prentice Hall International 2004 Eleventh printing, 2013.
- 2. Research Methodology By CR Kothari New Age International publishers Second Revised Edition, Reprint 2013.
- 3. Research Methodology By Francis C. Dane, Brooks/Cole Publishing Company, California.

IMCA 602 IT INFRASTRUCTURE MANAGEMENT

Module 1

INFRASTRUCTURE MANAGEMENT OVERVIEW: Definitions, Infrastructure management activities, Evolutions of Systems since 1960s (Mainframes-to-Midrange-to-PCs-to-Client-server computing-to-New age systems) and their management, growth of internet, current business demands and IT systems issues, complexity of today's computing environment, Total cost of complexity issues, Value of Systems management for business.

Module 2

PREPARING FOR INFRASTRUCTURE MANAGEMENT: Factors to consider in designing IT organizations and IT infrastructure, Determining customer's Requirements, Identifying System Components to manage, Exist Processes, Data, applications, Tools and their integration, Patterns for IT systems management, Introduction to the design process for information systems, Models, Information Technology Infrastructure Library (ITIL).

Module3

SERVICE DELIVERY PROCESSES: Service-level management, financial management and costing, IT services continuity management, Capacity management, Availability management.

Module 4

SERVICE SUPPORT PROCESSES: Configuration Management, Service desk, Incident management, Problem management, Change management, Release management.

Module 5

STORAGE AND SECURITY MANAGEMENT: Introduction Security, Identity management, Single sign-on, Access Management, Basics of network security, LDAP fundamentals, Intrusion detection, firewall, security information management. Introduction to Storage, Backup & Restore, Archive & Retrieve, Space Management, SAN & NAS, Disaster Recovery, Hierarchical space management, Database & Application protection, Baremachine recovery, Data retention.

References

- 1. Sjaak Laan, IT Infrastructure Architecture- infrastructure building blocks and concept, Lulu Com 2013
- 2. Manish Mahajan, Shikha Gupta, IT infrastructure and management
- 3. Phalguni Gupta, Surya Prakash, Umarani Jayaraman, IT infrastructure and its management
- 4. Manoj Kumar Choubey, Saurabh Singhal, IT Infrastructure and Management

	3.5 Index Numbers – Price (Consumer Price Index, Value Index	
	Number, Quantity Index Number)	
4.	PROBABILITY CONCEPTS	
	4.1 Probability Theory – Marginal, Joint and Conditional Probability	
	4.2 Bayes' Theorem and its Business Applications	6 + 3
	4.3 Probability Distributions – Binomial, Poisson, Normal	
5.	HYPOTHESIS TESTING	
	5.1 Hypothesis Testing – Confidence Level and Significance	
	Level	
	5.2 Parametric & Non-Parametric Tests	6 + 3
	5.3 Tests involving One Sample and Two Sample Means – z-test, t-	
	test, chi-square test, F-test	
	5.4 One Way and Two Way ANOVA	
	5.5 An Overview of Multi-Variate Statistical Tests	

- 1. Richard L. Levin & David S. Rubin Statistics for Management Prentice Hall of India, New Delhi
- 2. K.B. Akhilesh & S. Balasubramanyam Mathematics and Statistics for Management Vikas Publishing House
- 3. S.P. Gupta Statistical Methods Sultan Chand & Sons, New Delhi
- 4. Anderson Quantitative Methods for Business South Western Educational Publishing
- 5. Donald R. Cooper and Pamela S. Schindler, Business Research Methods, Tata McGraw Hill, India
- 6. Gupta S.C., Fundamentals of Statistics Himalaya Publishing House

	Learning Outcomes			
1.	By the end of this Course, the participants will get basic insights into the statistical			
	techniques used in the process of managerial decision making			
2.	The participants will be able to solve basic level problems in business by using statistical			
	techniques			
3.	At the end of this course, the participants will get basic knowledge in hypothesis testing			

Course C	Code	Course Title	Semester & Level of	Type of Course &
			Knowledge	No. of Credits
MB010106		LEGAL ENVIRONMENT OF	S1 Basic	Core Course 4
		BUSINESS		
	Course Objective			
1.	To provide the participants basic framework of Laws applicable to Business			to Business
2.	To provide basic insights into provisions of business laws			
3. To so		To sensitize the participants legal framework required for starting a Business		
				No. of Sessions

Module No.	Title &Contents	LT (Indicative)
1.	INTRODUCTION TO LAW & CONTRACTS	
1.	1.1 Introduction to Legal System: Sources of Law – Classification of	
	Law-Natural Justice	
	1.2 The Indian Contract Act 1872 - Nature and Classification of	
	contracts Essential elements of a valid contract - Offer and	5 + 1
	Acceptance Consideration - Capacity of Parties - Provisions	
	relating to free consent, void agreements - Provisions Relating to	
	Performance	
	1.3 Discharge of Contracts - Quasi contracts - Breach of Contract and	
	its Remedies.	
2.	SALE OF GOODS	
	2.1 Sale of Goods Act Sale of goods Act, 1930- Contract of sale of	
	goods-Meaning essentials of a contract for sale	
	2.2 Formalities of a Contract of sale - Provisions relating to Conditions	3 + 1
	and Warranties	
	2.3Provisions Relating to Transfer of Property or Ownership -	
	Provisions Relating to performance of contract of sale	
3.	1.7 Rights of unpaid Seller - Rules as to delivery of Goods.	
3.	NEGOTIABLE INSTRUMENT & PARTNERSHIP ACTS	
	3.1 The Negotiable Instruments act, 1881-Negotiable Instruments- Meaning, characteristics, types, parties - holder and holder in due	
	course	
	3.2 Negotiation and types of endorsements, Dishonour of negotiable	4 + 1
	instruments - noting and protest - liability of Parties on negotiable	7 ' 1
	instrument	
	3.3 Indian Partnership acct, 1932 - Important features - Formation of	
	partnership firms, Kinds of partners - Rights and duties of partners -	
	Dissolution of partnership	
4.	COMPANIES ACT	
	4.1 The Companies Act, 2013 - Company definition, meaning, features	
	and types of Companies	6 + 2
	4.2 Incorporation of a Company - Memorandum of Association,	
	Articles of Association and Prospectus	
	4.3 Management and Meetings	
	4.4 Winding up of companies	
5.	LAWS RELATED TO BUSINESS	
	5.1 Consumer Protection Act 1986	
	5.2 Foreign Exchange Management Act 1999	5 + 2
	5.3 IT Act 2000	
	5.4 Competition Act, 2000	
	5.5 Intellectual Property Rights	
	5.6 GDPR – Indian Perspective	

- 1. ND Kapoor Elements of Mercantile Law Sultan Chand & Sons
- 2. Tejpal Seth Business Law Pearson Publication

- 3. Akhileshwar Pathak Legal Aspects of Business Tata McGraw Hill
- 4. Kuchchal M.C. Business Law Vikas Publishing House, New Delhi
- 5. Gulshan S.S. & Kapoor G.K. Business Law Including Company Law New Age International (P) Ltd.
- 6. B,S, Moshal Mercantile Law Ane Books, India

	Learning Outcomes			
1.	The participants will be able to understand framework of law applicable to			
	business			
2.	The participants will get insights into provisions of business law			
3.	At the end of this course, the participants will be aware of legal requirements for			
	the pursuing a business			

		Umaruladaa	
		Knowledge	No. of Credits
MB01010	7 ENVIRONMENT MANAGEMENT	S1 Basic	Core Course 4
	Course Obj	ective	
1.	To familiarize the participants framewo	rk of Natural Environme	nt and Importance
	of Protection of Natural Resources		
2.	To make the participants aware about p		
3.	To sensitize the participants about Busi	ness Environment frame	
Module	Title &Contents		No. of Sessions
No.			LT (Indicative)
1.	INTRODUCTION TO ENVIRONMENT & EC	CO SYSTEM	
	1.1 Components of Environment		
	1.2 Eco System – Biotic & Abiotic Compone		
	1.3 Bio Diversity – Principles – Bio Diversit		2 + 1
	1.4 Natural Resources – Depletion of Natur		
	1.5 Energy Sources – Conventional & R	0	
_	Carbon Energy		
2.	IMPACT OF INDUSTRY AND BUSINESSPO	OLLUTION	
	SUSTAINABLE DEVELOPMENT		,
	2.1 Environmental Degradation – Industr	ral Pollution – Types and	1
	Impact		4 . 2
	2.2 Managing Industrial Pollution – Electro	_	4 + 2
	2.3 Waste Management – Developing Recycles		
	2.4 Sustainable Development – Guid Environment Impact Assessment – ISO		-
	2.5 Eco-friendly Manufacturing & Packagin		
3.	MACRO ECONOMIC ENVIRONMENT		
ა.		1	
	3.1 National Income – Its Significance – Measurement of National Income		1
	3.2 An Overview of Fiscal Policy & Monetan	cy Policy in India	6 + 3
	3.3 Inflation in India – Its Implication on Bu		
	3.4 Trade & Business Cycle – Recessionary		,

- 5. Gordon Davis, Management Information System: Conceptual Foundations, Structure and Development, Tata McGraw Hill, 21st Reprint 2008.
- 6. Haag, Cummings and Mc Cubbrey, Management Information Systems for the Information Age, McGraw Hill, 2005. 9th edition, 2013
- 7. Laudon Management Information System Pearson Education Asia, 11th Edition
- 8. Davis and Olson Management Information System Tata McGraw Hill
- 9. Journal MIS Quarterly, University of Minnesota
- 10. Journal CSI Communication, Computer Society Of India, Mumbai

	Learning Outcomes				
1.	6				
	Organisation				
2.	The participants will understand how data and information is used in the				
	process of managerial decision making				
3.	3. The participants are expected to get basic insights into the security aspects in				
	Information Systems				

Course Code		Course Title	Semester &Level of	Type of Course& No.
			Knowledge	of Credits
MB0102	07	BUSINESS RESEARCH METHODS	S2 Basic	Core Course 4
		Course Obje	ectives	
1.	To p	repare the students for projects thre	ough providing basic as	ects of Research
	Meth	nodology		
2.	To n	nake the participants familiar with d	lifferent phases of Resea	rch
3.	To E	quip the participants basic insights	into Data Analysis and F	eport Writing
Module	Title	e & Contents		No. of Sessions
No.				LT(Indicative)
1.	INTF	RODUCTION TO BUSINESS RESEARCH		
	1.1 F	Role of Business Research – Infor	rmation and Competitiv	re
	P	Advantage		
	1.2 (Characteristics of Good research		4 + 3
	1.3 S	Steps in Problem Formulation		
	1.4 V	Value and Cost of Information		
	1.5 F	Research Process with Illustration		
	1.6 Ethics in Business Research			
2.	RESI	EARCH DESIGN		
		Research Design: Meaning – Broad Clas	9	
	2.2 E	Exploratory Studies – Secondary d		
	S	Surveys, Focus groups, Two Stage Designs		6 + 3
	2.3 Descriptive Studies – Causal Studies			

	2.4 Qualitative Vs Quantitative Research - Process of Qualitative			
	Research – Qualitative Research Methodologies			
	2.5 Observation Studies – Uses, Types - Surveys			
3.	MEASUREMENT AND SAMPLING			
	3.1 Measurement Concept – Classification of Measurement Scales –			
	Characteristics of Good Measurement			
	3.2 Rating Scales – Simple Attitude, Likert & Semantic Differential	6 + 3		
	Scales			
	3.3 Questionnaires – How to Design a Good Questionnaire? – Phases			
	with an Illustration			
	3.4 Sampling – Good Sample – Steps in Sampling Design			
	3.5 Probability Vs Non-Probability Sampling (Sample Size			
	Determination Formulae and Calculation not expected)			
4.	SOURCES AND COLLECTION OF DATA-DATA ANALYSIS			
	3.7 Primary and Secondary Data Collection Methods – An Overview			
	3.8 Observation Method – Interview Method – Case Study Method &			
	Content Analysis			
	3.9 Data Preparation using EXCEL – Use of Statistical Software – SPSS	5 + 3		
	(Practical Sessions Recommended)			
	3.10 Parametric & Non-Parametric Tests – An Overview (Theory only			
	- Formulae & Calculation not expected)			
	3.11 Basics of Multivariate Analysis			
5.	REPORT WRITING & APPLICATION OF BUSINESS			
	RESEARCH			
	5.1 Written Research Report – Short & Long Reports	4 + 2		
	5.2 Components of Research Report	4 + 3		
	5.3 Writing the Research Report5.4 Report Presentation			
	5.5 Application of Research in Business – An Overview			
	5.5 Application of Research in Business – An Overview			

- 1. Donald R. Cooper, Pamela S. Schindler, J.K. Sharma Business Research Methods 12e, McGraw Hill 2019 (Special Indian Edition)
- 2. Deepak Chawla, Neena Sondhi Research Methodology Vikas Publications
- 3. Alan Bryman, Emma Bell Business Research Methods Oxford University Press
- 4. K.N. Krishnaswamy, Appa Iyer Sivakumar, Mathirajan M., Management Research Methodology, Integration of Principles, Methods & Techniques Pearson Education
- 5. C.R. Kothari Research Methods and Techniques New Age International, New Delhi
- 6. Sachdeva Business Research Methods Himalaya Publishing House
- 7. William G. Zikmund, Barry J. Babin, John C. Carr, Mitch Griffin Business Research Methods Cengage Learning
- 8. SPSS Handbook Himalaya Publications

Learning Outcomes		
1.	The participants will get basic insights into the Process, Methods and Techniques	
	used in Business Research	
2.	The participants will understand how data is collected and analysed for decision	
	making	
3.	The participants are expected to get basic insights into the use of Statistical Software	

	3.3 Test for optimality (MODI Method)	
4.	NETWORK ANALYSIS	
	4.1 PERT & CPM – Time Estimation – Critical Path	
	4.2 Basic Concepts of Crashing	
	4.3 Resources Leveling – Resources Smoothing	6 + 3
	4.4 Replacement Problems - Replacement of assets that deteriorate	
	with time, Replacement of assets that fail completely.	

5.	DECISION THEORY AND SIMULATION	
	5.1 Concept of Decision Making – Decision Making Environments	
	5.2 Simulation – Basic Concepts of Simulation – Monte Carlo	6 + 4
	Simulation – Scope & Limitations	
	5.3 Game Theory – Concept – Two Person Zero Sum Game – Pure &	
	Mixed Strategy – Saddle Point	

- 1. Sharma, J K. Operations Research: Theory and Applications (5/e). New Delhi: Laxmi Publications, 2013.
- 2. G. Srinivasan, Operations Research Principles and Applications PHI Learning
- 3. R. Paneer Selvam Operations Research PHI Learning
- 4. Frederick S. Hillier, Gerald J. Lieberman Operations Research: Concepts & Cases Tata McGraw Hill
- 5. Rathindra P. Sen Operations Research PHI Learning
- 6. Vohra, N D. Quantitative Techniques for Management. Tata McGraw Hill Education, 2015
- 7. S. Kalavathy Operations Research with C Programmes Vikas Publishing House

	Learning Outcomes		
1.	At the end of this Course, the participants may get basic insights into Applications		
	of Operations Research in Managerial Decision Making		
2.	2. The Participants will get familiar with Scientific Tools and Models in OR for		
	analysing the Business		
3.	The participants will be able to understand basics of Decision Science		

Course Code	Course Title	Semester	Type of Course&
		&Level of	No. of Credits
		Knowledge	
MB010206	MANAGEMENT INFORMATION SYSTEMS AND	S2 Basic	Core Course
	CYBER SECURITY		3

Course Objectives			
1.	1. To understand the Importance of InformationSystem in Business		
2.	2. To make the participants familiarize with the InformationTechnologies and Methods		
	used for effective Decision making in an organization.		
3.	To understand the security and ethical issues in Information systems.		
Module	Title & Contents	No. of Sessions	
No.		LT(Indicative)	

1.	FOUNDATION OF INFORMATION SYSTEM	
1.	1.1 Information System - Components of information systems and IS	
	activities	
	1.2 Roles of information systems and impact of IS on organization	4 + 2
	1.3 Types of IS	4 + Z
	1.4 Emergence of Digital Firm - Internet of things (IoT)	
2.	INFORMATION SYSTEM IN BUSINESS	
۷.	2.1 Business Information systems - Marketing Information System,	
	Financial Information System, Manufacturing Information System	
	and Human resource Information System	4 + 2
	2.2 Transaction Processing System	T 1 Z
	2.3 Office automation system, KWS and GIS	
	2.4 Enterprise wide systems, E- Business Applications and E-	
	governance	
3.	MANAGEMENT AND DECISION SUPPORT SYSTEM	
	3.1 Decision Support Systems – Types – Web based DSS - GDSS	
	3.2 Management Information Systems – MIS Implementation	
	3.3 Expert systems-Knowledge based expert systems and Executive	4 + 2
	Information Systems	-
	3.4 Artificial Intelligence Technologies	
	3.5 Data Mining and Data Warehousing	
4.	STRATEGIC ROLES OF IS	
	4.1 Strategic Uses of Information Technology-IT in the value chain-	
	Business change models-	
	4.2 Business Process Re-engineering (BPR)-BPR versus continuous	
	improvement-Seeking and gaining competitive advantage	4+ 2
	4.3 Drivers of IT investments-Measuring the value of IT investments-	
	Justifying IT investments	
	4.4 Challenges of Strategic IS	
5.	CYBER SECURITY	
	5.1 Securing Information Systems - System vulnerability and abuse.	
	5.2 Wireless security challenges - malicious software - hackers and cyber	
	vandalism - computer crime and cyber terrorism.	
	5.3 Business values and ethics of security and control - firewalls –	4 + 2
	intrusion - detection systems - anti-virus software.	
	5.4 Securing wireless networks - encryption and public key infrastructure	
	 ensuring system availability. 	
	5.5 Security issues for cloud computing and the mobile digital platform.	

- 1. James A O'Brien, George M Marakas and Ramesh Behl, Management Information Systems, Ninth edition, Tata McGraw Hill Education Private Ltd, 2012
- 2. Kenneth C. Laudon and Jane Price Laudon, Management Information Systems Managing the digital firm, 14 edition, PHI Learning / Pearson Education, PHI, Asia, 2012.
- 3. Robert Schultheis and Mary Summer, Management Information Systems The Managers View, Tata McGraw Hill, 2008.
- 4. Rahul de, MIS in Business, Government and Society, Wiley India Pvt Ltd, 2012

- 5. Gordon Davis, Management Information System: Conceptual Foundations, Structure and Development, Tata McGraw Hill, 21st Reprint 2008.
- 6. Haag, Cummings and Mc Cubbrey, Management Information Systems for the Information Age, McGraw Hill, 2005. 9th edition, 2013
- 7. Laudon Management Information System Pearson Education Asia, 11th Edition
- 8. Davis and Olson Management Information System Tata McGraw Hill
- 9. Journal MIS Quarterly, University of Minnesota
- 10. Journal CSI Communication, Computer Society Of India, Mumbai

	Learning Outcomes		
1. The participants will get basic insights into the Flow of Information in an			
	Organisation		
2.	The participants will understand how data and information is used in the		
	process of managerial decision making		
3.	The participants are expected to get basic insights into the security aspects in		
	Information Systems		

Course C	ode	Course Title	Semester &Level of	Type of Course& No.
			Knowledge	of Credits
MB010207		BUSINESS RESEARCH METHODS	S2 Basic	Core Course 4
		Course Obje	ectives	
1.	To p	repare the students for projects thre	ough providing basic as	ects of Research
	Meth	nodology		
2.	To n	nake the participants familiar with d	lifferent phases of Resea	rch
3.	To E	quip the participants basic insights	into Data Analysis and F	eport Writing
Module	Title	e & Contents		No. of Sessions
No.				LT(Indicative)
1.	INTF	RODUCTION TO BUSINESS RESEARCH	H	
	1.1 Role of Business Research - Information and Competitive			re
	P	Advantage		
	1.2 (Characteristics of Good research		4 + 3
	1.3 S	Steps in Problem Formulation		
1.4 V		Value and Cost of Information		
	1.5 F	Research Process with Illustration		
	1.6 Ethics in Business Research			
2.	RESI	EARCH DESIGN		
	2.1 Research Design: Meaning – Broad Classification of Designs			
	2.2 E	Exploratory Studies – Secondary d	lata Analysis, Experienc	
	S	Surveys, Focus groups, Two Stage Desig	gns	6 + 3
	2.3 Descriptive Studies – Causal Studies			

5.1Introduction to Prescriptive analytics. Linear Programming Model	
Building, Assumptions of Linear Programming. (Theory only)	
5.2Roadmap for Analytics Capability Building – Challenges in Data-	4 + 2
driven Decision Making and future	
5.3 Importance of Analytics inFinance, Marketing& HRM	

- 1. U. Dinesh Kumar Business Analytics Wiley
- 2. Foster Provost & Tom Fawcett Data Science for Business O'reilly
- 3. Anasse Bari, Mohamed Chaouchi, and Tommy Jung Predictive Analytics for Dummies Wilev
- 4. Hadley Wickham & Garrett Grolemund R for Data Science O'reilly
- 5. James R. Evans, Business Analytics: Methods, Models & Decisions, first edition, Prentice Hall

Learning Outcomes		
1.	Use R to create basic plots	
2.	Identify and apply appropriate Analytic Technique to solve Business Problem	
3.	Derive Actionable insights from data for Decision Making	

Notes:

The following tools are recommended based on popular usage in Industry and to give practical exposure to Management Students in affiliated Colleges. *Practical Training Sessions with evaluation on these Software shall be part of Continual Evaluation.*

- 1. MS Excel: Data Cleaning tools, Pivot Table, Advanced Formulas, Power Pivot\
- 2. Power BI
- 3. Tableau
- 4. R Programming
- 5. SaS (optional)
- 6. Python (optional)

Course Code		Course Title	Semester &Level of Knowledge	Type of Course& No. of Credits	
MB010302		BUSINESS ETHICS AND CORPORATE	S3 Basic	Core Course 4	
		GOVERNANCE			
Course Objective					
1.	To i	To introduce Ethics as an important Component in Business Administration			
2.	To provide the Participants the Relevance and Role of Indian Practices in Business				
3.	To Discuss and Analyse relevant Case Studies related to Indian Ethos and Values				
	from the Business World				
				No. of Sessions	
Module	Title	e &Contents		LT (Indicative)	
No.					

-		
1.	INDIAN ETHOS FOR MANAGEMENT	
	1.1 Relevance of Indian Ethos and Values	
	1.2 Principles practiced by Indian Companies	
	1.3 Management Lessons from Vedas, Mahabharatha, Bible & Quran –	3+3
	An Overview - Kautilya's Arthashastra	
	1.4 Indian Heritage in Business Management - Production &	
	Consumption	
2.	INDIAN PRACTICES	
	2.1 Indian Vs Western Management	
	2.2 Work Ethos and Values for Indian Managers	
	2.3 Stress Management - Meditation for Mental Health - Role and	
	Importance of Yoga	3 + 3
	2.4 Contemporary Approaches to Leadership	
	2.5 Indian System of learning – Gurukul System – Importance of	
	Karma to Managers	
3.	INDIAN VALUE SYSTEM	
	3.1 Work Ethos and Values for Indian Managers	
	3.2 Relevance of Value Based Management in Global Change –	3 +2
	Importance of Value on Stakeholders	
	3.3 Value System in Work Culture	
	3.4 Secular Vs Spiritual Values	
4.	NEED FOR ETHICS	
	4.1 Understanding the Need for Ethics	
	4.2 Ethical Principles in Business	
	4.3 Theories of Ethics – Absolutism Vs Relativism	3 + 2
	4.4 Kohlberg's Six Stages of Moral Development (CMD)	
	4.5 Managing Ethical Dilemma – Characteristics – Ethical Decision	
	Making, Ethical Reasoning	
5.	CORPORATE GOVERNANCE	
	5.1 Corporate Governance Initiatives in India – Committees &	
	Commissions	
	5.2 Corporate Governance – Theories and Models – Corporate	4 + 3
	Disclosure -	
	5.3 Corporate Social Responsibility (CSR) and its Significance in	
	Business	
	5.4 Concept of Social Audit and its Relevance – Whistle Blowing –	
	Privacy Trade Secrets	
	5.5Scams and Scandals in Corporate Governance in India	
		· · · · · · · · · · · · · · · · · · ·

- 1. S.K. Bhatia Business Ethics & Managerial Values Deep and Deep
- 2. Joseph A. Petrick, John F. Quinn Management Ethics Sage Publications, New Delhi
- 3. Sherlekar Ethics in Management, Himalaya Publishing, New Delhi
- 4. C.V.S. Murthy Business Ethics & Corporate Finance Himalaya Publishing House
- 5. Manisha Paliwal Business Ethics New Age International, New Delhi

Learning Outcomes			
1.	The Participants will understand the importance of Ethics in Business		
	Administration		

2.	At the end of the Course, the Participants will understand the relevance of Indian	
	Practices in Management based on Ethical foundation	
3.	The Case Studies on Indian Ethos and Values will throw light into the richness of	
	Indian tradition in Corporate Governance	

Notes:

This course on Business Ethics and Corporate Governance is a Case Study oriented subject. Case studies from Indian Ethos and Values are to be discussed in the class room.

- Construct programs that demonstrate effective use of C features including arrays, structures & Pointers
- Handle various sorting and searching techniques.
- Create and manipulate Files using various file handling functions.
- Design and implement an application for a given problem domain.

Course Code	Course Title	Total Credits
MCA CT 108	Employability Skill Training-Phase 1	1

Course Objectives

- Enable students to identify their strengths and weaknesses.
- Measure each student's numerical ability, problem solving and mathematical skills.
- Enhance aptitude and reasoning ability of students that will make them capable of securing a job with any recruiter.
- Guide students in Resume making.

Module No.	Title & Contents	
1	Motivation And Goal Setting Motivation, Assertiveness, Career Exploration and Life Planning, Goal Setting, Time Management, Stress Management. Activity: Must Read (Institution option possible) 1. Karmayogi: A Biography of E. Sreedharan by M. S. Ashokan 2. The 7 Habits of Highly Effective People – Stephen R. Covey 3. The Leader Who Had No Title - Robin Sharma	2
2	Arithmetical And Verbal Reasoning Ability: Problems on Numbers, Problems on Ages, Percentage, Ratio and Proportion, Time and Work, Time and Distance, Problems on Trains, Boats and Streams, Alligation or Mixture, Area, Average, Races and Games of Skill, Calendar, Clocks, Banker's Discount, Decimal Fractions, Heights and Distance, Odd Man Out and Series. Types of verbal reasoning, Analogy, Series Completion, Coding and Decoding, Blood Relation, Puzzle Tests, Direction Sense Test, Venn Diagrams, Logical Sequence of Words, Syllogism, Cause and Effect, Dice, Cube and Cuboid, Seating Arrangement. Activity: Company wise sample Questions, Mock Test on Each Topic.	30

3	Data Interpretation & Logical Reasoning Tabulation, Bar Graphs, Pie Charts, Line Graphs. Activity: Company wise sample Questions, Mock Test on Each Topic.	
4	ENGLISH APTITUDE Fill in the blanks, Comprehension, Phrases and Sentences, Sequencing, Basic Grammar, Synonyms and Antonyms, technical Vocabulary, Common Errors. Activity: Practice Sets.	
5	RESUME PREPARATION Resume Tips, Cover Letter, Sample Resume, Help for making a perfect Resume, Job Application Letters, E-mail messages. Activity: Individual Resume Evaluation	2

Note: 50% of the syllabus is intended to cover in online / activity mode

Text Book & References

- 1. Rizvi, Ashraf M., *Effective Technical Communication*, New Delhi, Tata McGraw Hill Education Private Limited.
- 2. Aggarwal, R. S., *Quantitative Aptitude for Competitive Examinations*, New Delhi, S. Chand and Company Pvt. Ltd.
- 3. Aggarwal, R. S., *Modern Approach to Verbal n Nonverbal Reasoning*, New Delhi, S. Chand and Company Pvt. Ltd.
- 4. https://www.campusgate.co.in/
- 5. http://www.allindiaexams.in/reasoning/verbal-reasoning-questions-answers
- 6. https://www.sawaal.com/aptitude-reasoning-questions-and-answers.html
- 7. https://www.indiabix.com/logical-reasoning/questions-and-an-swers/

Learning Outcomes

By successfully completing this course, students will be able to

- Do self-assessment of strengths and weaknesses; identify what is lacking for a better personality and improve on it.
- Solve Quantitative, Verbal and Logical Reasoning and Comprehension problems in IT recruitment drives and other competitive exams.
- Organize and write an effective Cover Letter and Resume.

Course Content -Semester 2

Course Code			ours eek	Continual Evaluation	University Evaluation	Total Marks	No. of Credits
		L	P	(Marks)	(Marks)		
MCA CT	Optimization Techniques for Computer Applications	4	-	25	75	100	4

MCA 505 E53 -INFORMATION SECURITY AND E-COMMERCE

UNIT I

The History of Information Security ,Importance of Security,CNSS Security Model , Components of an Information System ,The Systems Development Life Cycle ,The Security Systems Development Life Cycle,The Need for Security-Business Needs ,Threats, Attacks, Secure Software Development.

UNIT II

Risk Management ,Planning for Security, Security Technology Firewalls, VPNs ,Intrusion detection, Access Control and other security Tools.

UNIT III

Overview of E- Commerce framework – E- Business models – Network infrastructure - Role of Internet – E- commerce and World Wide Web, Consumer oriented E- Commerce applications – Mercantile process models -Electronic Payment Systems –Digital Token based EPS – Smart cards – Credit cards – Risks – designing EPS.

UNIT IV

Electronic Data Interchange: EDI applications in Business – EDI and e Commerce – EDI standardization and implementation – Internet based EDI

UNIT V

Internet security standards – secure electronic payment protocols; cryptography and authentication – security issues – encryption techniques; e commerce payment mechanisms –SET protocol – electronic check – E-commerce ethics, regulations and social responsibility.

REFERENCES:

- 1. Principles and Practices of Information Security, Michael E. Whitman, Herbert J. Mattord,
- 2. Ravi Kalakota, Andrew, "Frontiers of Electronic Commerce", Addision Wesley
- 3. Greenstein and Feinman, "E-Commerce", TMH
- 4. Electronic Commerce, By M. Green Stein, Todd M. Feinman. Tata McGraw Hill Pub. 2001.
- 5. Information Systems Security, Godbole, Wiley-India
- 6. Information Security Principles and Practice, Deven Shah, Wiley-India
- 7. Marilyn Greenstein and Todd M Feinman, "Electronic Commerce: Security, Risk Management and Control" Tata McGraw-Hill, 2000
- 8. Stallings, W., Cryptography and Network Security. Principles and Practice, 4th edition, Prentice Hall.

SEMESTER III

Papers	Subjects
BS030301	Genetic Engineering, Bioethics & IPR
BS030302	Trangenics- Animals and plants.
BS030303	Genomics & Proteomics.
BS860301	Elective paper-1, Concepts and Methods of Research
BS030304	PCR technology, Bioinformatics, Animal Cell & Tissue culture techniques -
	Practical-III

Course name: BS030301: Genetic Engineering, bioethics & IPR

Total Credits: 5

Total Hours : 90 Hrs.

1. Objectives of the Course:

In the third generation of Biotechnology, the discipline can be defined as to improve the biological function of an organism by adding genes from another organism. The concept of this science is based on the term 'Transgene'. Transgene is the genetically engineered gene added to a species and the organism containing a 'transgenic'. Based on the need, Microbes, plants, and animals are the faithful hosts as 'transgenic' for maintaining the functionality of 'transgene' in the system. Within the wide array of applications of transgenic production of pharmaceutical products, therapeutics, crops of rich nutritional quality, disease diagonosis, gene therapy, production of vaccines and MAPS, industrial enzymes and biofuels are the exciting areas of research today.

2. Course content:

Unit 1:- (18 Hrs)

Molecular biology- History, Scope and definition. Genetic engineering- Introduction and prospects in Post genomic era. Transgenic technology in India. How to clone a gene-Fundamental techniques of gene manipulation, Overview of the procedure, Gene library, Hybridization, Molecular cloning, Construction of DNA library, Library screening, Expression libraries, Restriction mapping, RFLP, DNA sequencing. Vectors- Plasmid vectors, Vectors based on the lambda Bacteriophage, Cosmids, Phasmids, M13 vectors,

Expression vectors, vectors for cloning and expression in Eukaryotic cells, Super Vectors, YACs, BACs, PAC & MAC. Promoters- ubiquitous & tissue specific, Signal peptide sequences. Cutting and joining DNA- Restriction endonucleases, Ligation, Alkaline phosphate, double digest, Modification of restriction fragment ends, Other ways of joining DNA molecules.

Unit 2:- (30 Hrs)

cDNA synthesis, RT PCR- PCR assay and Cell based DNA cloning:- The importance of DNA cloning, PCR Primers, Basic features and applications, Gradiant, Nested, Touch down, Hot start. Principles of cell based DNA cloning, Gene cloning strategies, Cloning system for amplifying different sized fragments, cloning system for producing single stranded and mutagenised DNA. Nucleic acid hybridization- preparation of nucleic acid probes, Principle of nucleic acid hybridization, Nucleic acid hybridization assays, DDRT and microarrays. Gene recombination and gene transfer- Bacterial conjugation, Transformation, Transduction, Episomes, Plasmids, Microinjection, Electroporation, Microprojectile, Shot gun method, Ultra sonication, Liposome fusion, Microlaser. Changing genes: Site directed mutagenesis and protein engineering- PCR based site directed mutagenesis, random mutagenesis, Use of Phage display techniques to facilitate in the selection of mutant peptides, Gene Shuffling, Production of chimeric proteins. Tools for analyzing gene expression-Northern Blot, in situ hybridization, RNase protection assay, RT-PCR, Real Time PCR, Western blot, in situ analysis, ELISA, Genetic engineering in Microbes- Cloning in *E.coli* and other bacteria

Unit 3:- (15 Hrs)

Introduction- General Introduction, Patent claims, Legal decision making process, Ownership of intellectual property Basic requirements of patentability- Patentable subject matter, Novelty and the public domain. Special issue in biotechnology patents- Disclosure requirements, Collaborative research, Competitive research, foreign patents. Patent litigation-Substantive aspects of patent litigation, Procedural aspects of patent litigation and recent developments in patent systems and patentability of biotechnological inventions. TRIPS and Patent Law- Patenting life, Patenting of genes and DNA sequences, Microbial piracy. Patenting of GMO, Transgenic crops, Marketing Strategies

UNIT 4: (12 Hrs)

Ethics and Bioethics: Benefit and Harm: Social Responsibility and Role of Media: Protecting Future Generations and Protection of the Environment. Biosafety aspects and Level of Risk Assessment- DBT at statuary. State level interventions, - Biodiversity board: Guidelines for Gene manipulation studies in India and at international level: GLP, GMP.

UNIT 5: (15 Hrs)

Gene silencing - Post transcriptional and transcriptional gene silencing, Mutants of gene silencing, RNA virus in plants, Virus induced gene silencing and its application. Genetic engineering and Public concerns- Ethical and environmental concerns on genetic engineering of plants.Plant genetic engineering future- Genetically engineered Food products, its safety, Labeling and regulatory challenges. 'Pharm' factories of the future, gene editing-CRISPR.

3. Recommended Text Books

- 1. Molecular cell biology by Harvey Lodish, Published by W. H. Freeman and company
- 2. Molecular biology of the gene by James.D .Watson, Published by Pearson education
- 3. Cell and Molecular biology by E.D.P. De Robertis, Published by Lippincutt William and wilkins
- 4. Molecular Biotechnology: Principles and applications 3rd ed by R Bernad Glick, Published by ASM press, Washington
- 5. Patents for chemicals, pharmaceuticals and biotechnology by Philip. W. Grubb
- 6. Good laboratory practice by Jurg. P. Seiler
- 7. The Role of Intellectual Property Rights in Biotechnology Innovation. David Castle, 1st Edition.

4. Recommended References

- 1. Fundamental molecular biology by Lizabelth. A. Allison, Published by Blackwell publishers
- 2. PCR Applications protocols for functional genomics 1st ed, By Michael A Innis, David H Gelfand & John J Sninsky, Published by Academic press
- 3. Molecular cloning: A Laboratory Manual Vol.I 3rd ed,by Joseph Sambrook & David W Russell Published by CSHL press,2000
- 4. Global Intellectual Property Rights: Knowledge, Access and Development. Peter Drahos and Ruth Mayne, 1st Edition.
- 5. Encyclopaedia of Intellectual Property Rights Volume I, II & III. Prabhas Chandra Sinha



SCMS SCHOOL OF TECHNOLOGY AND MANAGEMENT

SCMS Campus, Prathap Nagar, Muttom, Aluva, COCHIN- 683 106. KERALA

Syllabus of Courses Gender

Perpetual and Periodic Inventory System-Continuous Stock Taking - Material Losses-Wastage- Scrap-Spoilage-Defectives- Pricing of issue of materials- FIFO- LIFO- Simple Average- Weighted Average- (25 Hours)

Module III

Accounting and Control of Labour Cost- Time Keeping and Time Booking-Methods - Systems of Wage Payment-Time Rate System- Piece Rate System- Differential Piece Rate - Taylor's differential piece rate system- Merrick's differential piece rate system- Gantt Task and Bonus plan- Incentive Plans-Halsey Plan - Rowan Plan-Idle Time- Overtime and their Accounting Treatment- Labour Turnover-Causes and effects- Methods of Calculating Labour Turnover. (20 Hours)

Module IV

Accounting for Overhead-Classification of Overhead- Segregation of semi variable overhead-Production overhead- Allocation and apportionment- Primary and Secondary Distribution Summary-Absorption of Overhead- Methods of absorption of overheads- Overhead absorption rates- Actual and pre-determined rates- Blanket and Multiple rates- Over-absorption and Under-absorption- Reasons-Disposal- Introduction to Activity Based Costing (Problems of ABC excluded) (25 Hours)

Module V

Preparation of Cost Sheet- Cost sheet- Objectives- preparation- Tender and Quotation-Reconciliation Statement –Need- Reasons for disagreements in Profits-Preparation- Memorandum Reconciliation Account (20 Hours)

Suggested Readings

- 1. Jain, S.P., & Narang, K.L., Advanced Cost Accounting, Kalyani Publishers, New Delhi.
- 2. Iyengar, S. P., Cost Accounting, Sultan Chand & Sons, New Delhi.
- 3. Maheswari, S.N., Advanced Cost Accounting, Sultan Chand & Sons, New Delhi.
- 4. Arora, M. N., Cost Accounting, Vikas Publishing House Pvt. Ltd, New Delhi.
- 5. J Madegowda, Advanced cost accounting, Himalaya Publishing House, Mumbai
- 6. Shukla, M.C., and Grewal, T.S., Cost Accounting, Sultan Chand & Sons, New Delhi.
- 7. Lall Nigam B M and Jain I C, Cost Accounting Principles and Practice, Prentice Hall of India

Core Course : ENVIRONMENT MANAGEMENT AND HUMAN RIGHTS

Instructional Hours: 90 Credit: 4

Module I (18 Hours)

Unit 1 : Multidisciplinary nature of environmental studies

(2 Hours)

Definition, scope and importance -need for public awareness.

Unit 2: Natural Resources:

Renewable and non-renewable resources: Natural resources and associated problems.

Forest resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forest and tribal people. -Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems. Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies. Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies. Energy resources: Growing energy needs, renewable and non renewable energy sources, use of alternate energy sources, Case studies. Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification - Role of individual in conservation of natural resources- Equitable use of resources for sustainable life styles.

Unit 3: 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 given ecosystem:- Forest ecosystem (6 Hours)

Module II (26 Hours)

Unit 1: Biodiversity and its conservation

Introduction –Bio geographical classification of India -Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values-India as a mega-diversity nation-Hotsports of biodiversity-Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts-Endangered and endemic species of India (8 Hours)

Unit 2: Environmental Pollution

Definition, Causes, 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 management: floods, earthquake, cyclone and landslides. (8 Hours)

Unit 3: Social Issues and the Environment

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- 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 (10 Hours)

Module – III (15 Hours)

Recent developments- Green Accounting- Meaning- History- Scope and Importance- Importance- Advantages and limitations- Green Banking- Meaning- benefits- coverage- steps in green banking- environmental risks for banks- Green banking initiatives- International initiatives- Initiatives in India- Green Marketing- Meaning- Need and benefits- Challenges- Green marketing in India- Green washing and consequences- Eco tourism- significance- eco tourism activities in India- Opportunities and challenges – carbon credit and carbon exchanges (over view only) - Environmental audit- concept- need and scope (15 Hours)

Module – IV (13 Hours)

Right to Information Act 2005- Basic terms- Public authority- Competent authority- Appropriate Government- Third Part- Information – record- Right to information- Objectives of the Act-Features of the Act- Obligation of Public authority- Procedure for request of information- time limit- fee- ground of rejection- appeal- exemption from disclosure- Right to access information on specific issues- Banking transactions, insurance transactions, government dealing and related services (13 Hours)

Module – V (18 Hours)

Unit 1- Human Rights— An Introduction to Human Rights, Meaning, concept and development, Three Generations of Human Rights (Civil and Political Rights; Economic, Social and Cultural Rights).

Unit-2 Human Rights and United Nations – contributions, main human rights related organs UNESCO, UNICEF, WHO, ILO, Declarations for women and children, Universal Declaration of Human Rights.

Human Rights in India – Fundamental rights and Indian Constitution, Rights for children and women, Scheduled Castes, Scheduled Tribes, Other Backward Castes and Minorities

Unit-3 Environment and Human Rights - Right to Clean Environment and Public Safety: Issues of Industrial Pollution, Prevention, Rehabilitation and Safety Aspect of New Technologies such as Chemical and Nuclear Technologies, Issues of Waste Disposal, Protection of Environment Conservation of natural resources and human rights: Reports, Case studies and policy formulation. Conservation issues of Western Ghats- mention Gadgil committee report, Kasthurirangan report. Over exploitation of ground water resources, marine fisheries, sand mining etc. (18 Hours)

Assignment may include Field study involving

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

Suggested Readings

- 1. Bharucha Erach, Text Book of Environmental Studies for undergraduate Courses. University Press, IInd Edition 2013 (TB)
- 2. Clark.R.S., Marine Pollution, Clanderson Press Oxford (Ref)
- 3. Cunningham, W.P.Cooper, T.H.Gorhani, E & Hepworth, M.T.2001 Environmental Encyclopedia, Jaico Publ. House. Mumbai. 1196p .(Ref)
- 4. Dc A.K.Enviornmental Chemistry, Wiley Eastern Ltd.(Ref)
- 5. Down to Earth, Centre for Science and Environment (Ref)
- 6. Heywood, V.H & Watson, R.T. 1995. Global Biodiversity Assessment, Cambridge University Press 1140pb (Ref)
- 7. Jadhav.H & Bhosale.V.M. 1995. Environmental Protection and Laws. Himalaya Pub. House, Delhi 284p (Ref)
- 8. Mekinney, M.L & Schock.R.M. 1996 Environmental Science Systems & Solutions. Web enhanced edition 639p (Ref)
- 9. Miller T.G. Jr., Environmental Science, Wadsworth Publishing Co. (TB)
- 10. Odum.E.P 1971. Fundamentals of Ecology. W.B. Saunders Co. USA 574p (Ref)
- 11. Rao.M.N & Datta.A.K. 1987 Waste Water treatment Oxford & IBII Publication Co.Pvt.Ltd.345p (Ref)

- 12. Rajagopalan. R, Environmental Studies from crisis and cure, Oxford University Press, Published: 2016 (TB)
- 13. Sharma B.K., 2001. Environmental Chemistry. Geol Publ. House, Meerut (Ref)
- 14. Townsend C., Harper J, and Michael Begon, Essentials of Ecology, Blackwell Science (Ref)
- 15. Trivedi R.K., Handbook of Environmental Laws, Rules Guidelines, Compliances and Standards, Vol I and II, Enviro Media (Ref)
- 16. Trivedi R. K. and P.K. Goel, Introduction to air pollution, Techno-Science Publication (Ref)
- 17. Wanger K.D., 1998 Environmental Management. W.B. Saunders Co. Philadelphia, USA 499p (Ref)
- 18. (M) Magazine (R) Reference (TB) Textbook
- 19. Amartya Sen, The Idea Justice, New Delhi: Penguin Books, 2009.
- 20. Chatrath, K. J.S., (ed.), Education for Human Rights and Democracy (Shimla: Indian Institute of Advanced Studies, 1998)
- 21. Law Relating to Human Rights, Asia Law House, 2001.
- 22. Shireesh Pal Singh, Human Rights Education in 21st Century, Discovery Publishing House Pvt.Ltd, New Delhi,
- 23. S.K.Khanna, Children And The Human Rights, Common Wealth Publishers, 1998. 2011.
- 24. Sudhir Kapoor, Human Rights in 21st Century, Mangal Deep Publications, Jaipur,2001.
- 25. United Nations Development Programme, Human Development Report 2004: Cultural Liberty in Today's Diverse World, New Delhi: Oxford University Press, 2004.
- 26. Monica Loss,,Green Marketing Strategies and Consumer Behaviour, Global Vision Publishing House
- 27. Robert Dahlstrom- Green Marketing: Theory, Practice and Strategies, Cengage Learning India Private Limited
- 28. A N Sarkar, Green Banking, Atlantic Publishers
- 29. Thomas Aronsson and Karl Gustaf Lofgren, Edgar Handbook of Environmental Accounting, Elgar Publishing
- 30. M Sarngadharan and G Raju , Tourism and Sustainable Economic Developments: Indian and Global Perspectives New Century Publishers
- 31. ICAI Study Material of Auditing
- 32. Right to Information Act, 2005

Complementary Course 3:

(Common for Finance and Taxation, Marketing, Travel and Tourism and Logistics Management streams)

Core Course -13

ENTREPRENEURSHIP DEVELOPMENT AND PROJECT MANAGEMENT

Instructional Hours: 90 Credit: 4

Objectives:

- To develop entrepreneurial spirit among students
- To empower students with sufficient knowledge to start up their venture with confidence
- To mould young minds to take up challenges and become employer than seeking employment and to make them aware of the opportunities and support for entrepreneurship in India

Module I

Introduction to Entrepreneurship- Definition and Meaning- Distinction between entrepreneur and manager- Characteristics and traits of an entrepreneur- Skills - Motivation of Entrepreneur- Functions of an Entrepreneur- Role and importance of Entrepreneurship in economic development- Factors affecting growth of entrepreneurship (10 Hours)

Module II

Classification of entrepreneurs- Dimensions of Entrepreneurship-Intrapreneurship-Technopreneurship-Cultural Entrepreneurship- International Entrepreneurship-Ecopreneurship- Social Entrepreneurship and Women Entrepreneurship- Problems faced by Women Entrepreneurs-Entrepreneurship in Agriculture sector and service sectors- New avenues- Dealership, Networking and Franchising- Entrepreneurship in MSME- Micro Small Medium Enterprises-Definition- Role of MSME- Steps to establish an enterprise.

(25 Hours)

Module III

Project Identification-Project- Meaning- Types- Project Management- Project life Cycle- Project identification- Sources of Project idea- Constraints in a project- Sources of Business idea-Protecting the Idea-Legal Protection in India-Trademarks- Copyright- Patent- Geographical Indication- Designs-Plant and Farmer Rights- (15 Hours)

Module IV

Project Formulation and Report- Formulation of a project- Stages in project formulation - preparation of a project report- contents- project appraisal- various aspects of appraisal (Problems of appraisal techniques excluded) (20 Hours)

Module V

Entrepreneurial Support in India- Entrepreneurial Education and training- Entrepreneurship Development Programmes- Objectives and Methodology- The Concept, Role and Functions of Business Incubators- Start-Ups- Govt. of India Funding and Support for Start-Ups- Cluster Development Schemes- Pradan Mantri Mudra Yojana- Industrial Estates- Special Economic Zones- Other initiatives and assistance- Green Channel clearances- - Bridge Capital- Seed Capital Assistance- Special Institutions for Entrepreneurial Development and assistance in India-Functions of EDII, NIESBUD,NSIC, SIDBI and DIC (20 Hours)

Suggested Readings

- 1. Anjan, R. *Managing New Ventures, Concepts and Cases in Entrepreeurship*, New Delhi, PHI Learning Private limited.
- 2. Bhide A, The Origin and Evolution of New Businesses, New York, Oxford University Press.
- 3. Brandt, S. C. (1997). Entrepreneuring: The 10 Commandments for Building a Growth Company. New Delhi: Mc Millan Business Books.
- 4. Manjunath, N. (2008). Entrepreneurship & Management. Bangalore: Sanguine Technical Publishers.
- 5. Khanka S S- Entrepreneurial Development- S Chand and Sons
- 6. Desai, Vasant- Small Scale Business and Entrepreneurship- Himalaya Publications
- 7. AP Padnekar, Entrepreneurship, *Himalaya Publishing House*, *Mumbai*.
- 8. Rao, V S P- Business, Entrepreneurship and Management- Vikas Publishing House
- 9. Pandya, Rameswary- . Skill Development and Entrepreneurship in India, New Century Publications

SEMESTER 5

Core Course : COST ACCOUNTING- I

Instructional Hours: 108 Credit: 4

Objectives: To familiarise the students with cost concepts and to make the students learn the Fundamentals of cost accounting as a separate system of accounting.

Module I

Introduction to Cost Accounting- Meaning- Definition- Cost Concepts-Costing- Cost Accounting- Cost Accounting- Cost Accounting- Cost Unit- Cost Centre- Responsibility Centres- Profit Centre- Cost Control- Cost Reduction- Distinction between Cost Accounting and Financial Accounting-Essentials of a good costing system- Installation of costing system- Methods and Techniques of Cost Accounting- Advantages and Disadvantages of Cost Accounting- Cost concepts and classification- elements of cost

Module II

Accounting and Control of Material Cost- Material Purchase Procedure- Inventory control- Material Stock Level-EOQ- ABC- VED and FSN Analysis-JIT- Stock turnover- Material Issue control- Stores records- Bincard and Stores ledger- Documents authorizing movement of materials-Inventory systems: Perpetual and Periodic Inventory System-Continuous Stock Taking - Material Losses-Wastage- Scrap-Spoilage-Defectives- Pricing of issue of materials- FIFO- LIFO- Simple Average- Weighted Average-

(25 Hours)

BA5CRT23 ENVIRONMENT SCIENCE AND HUMAN RIGHTS

Core Course

No. of credit : 4 No. of contact hour: 5

MODULE I

Multidisciplinary nature of environmental studies

Definition, scope and importance Need for public awareness.

Natural Resources : Renewable and non-renewable resources : Natural resources and associated problems.

- a) Forest resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forest and tribal people.
- b) Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems.
- c) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies.
- d) Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies.
- e) Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources, Case studies.
- f) Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification
- Role of individual in conservation of natural resources.
- Equitable use of resources for sustainable life styles.

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 given ecosystem:- Forest ecosystem

MODULE II

Biodiversity and its conservation

Introduction, Biogeographical classification of India ,Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values. 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

Environmental Pollution

Definition, Causes, effects and control measures of: -

- a. Air pollution
- b. Water pollution
- c. Soil pollution
- d. Marine pollution
- e. Noise pollution
- f. Thermal pollution
- g. 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 management: floods, earthquake, cyclone and landslides

Social Issues and the Environment- 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, 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

MODULE III

Introduction to Environment and Business

Introduction of ways in which business has and is responding to environmental and business issues; business and sustainable development; issues of corporate/business greening.

MODULE IV

Green entrepreneurship

What is green entrepreneurship, definition, meaning, scope, nature and characteristics. Green entrepreneurship in India. Difference between conventional and green entrepreneurship.

MODULE V

Human Rights— An Introduction to Human Rights, Meaning, concept and development, Three Generations of Human Rights (Civil and Political Rights; Economic, Social and Cultural Rights).

Human Rights and United Nations – contributions, main human rights related organs - UNESCO,UNICEF, WHO, ILO, Declarations for women and children, Universal Declaration of Human Rights.

Human Rights in India – Fundamental rights and Indian Constitution, Rights for children and women, Scheduled Castes, Scheduled Tribes, Other Backward Castes and Minorities Environment and Human Rights - Right to Clean Environment and Public Safety: Issues of Industrial Pollution, Prevention, Rehabilitation and Safety Aspect of New Technologies such as Chemical and Nuclear Technologies, Issues of Waste Disposal, Protection of Environment

Conservation of natural resources and human rights: Reports, Case studies and policy formulation. Conservation issues of western ghats- mention Gadgil committee report, Kasthurirengan report. Over exploitation of ground water resources, marine fisheries, sand mining etc.

Internal: Field study

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

(Field work Equal to 5 lecture hours)

REFERENCES

- 1. Bharucha Erach, Text Book of Environmental Studies for undergraduate Courses.
 University Press, IInd Edition 2013 (TB)
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To Provide the Participants basic understanding about the Role and Significance of Entrepreneurship in an economy	Course C	ode	Course Title	Semester &Level of Knowledge	Type of Course& No. of Credits
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 3.2 SME - Floating of SMEs - Registration - NOC from Pollution Board - Machinery & Equipment Selection 3.3 Methods of Project Appraisal -Economic Viability and Market Feasibility 3.4 Requirement of Financial Institutions - Projected Financial Statement Preparation 4. ROLE OF SUPPORT INSTITUTIONS FOR SMES 4.1 Government Policies for Small Scale Industries (SSIs) 4.2 Role of DICs, SFCs, SIDBI, Entrepreneurship Development 		_			
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3.3 Methods of Project Appraisal –Economic Viability and Market Feasibility 3.4 Requirement of Financial Institutions – Projected Financial Statement Preparation 4. ROLE OF SUPPORT INSTITUTIONS FOR SMEs 4.1 Government Policies for Small Scale Industries (SSIs) 4.2 Role of DICs, SFCs, SIDBI, Entrepreneurship Development				110G II olli I ollutioli boa	
3.4 Requirement of Financial Institutions – Projected Financial Statement Preparation 4. ROLE OF SUPPORT INSTITUTIONS FOR SMEs 4.1 Government Policies for Small Scale Industries (SSIs) 4.2 Role of DICs, SFCs, SIDBI, Entrepreneurship Development			, i	omic Viability and Mark	ret
Statement Preparation 4. ROLE OF SUPPORT INSTITUTIONS FOR SMES 4.1 Government Policies for Small Scale Industries (SSIs) 4.2 Role of DICs, SFCs, SIDBI, Entrepreneurship Development				-	
4. ROLE OF SUPPORT INSTITUTIONS FOR SMES 4.1 Government Policies for Small Scale Industries (SSIs) 4.2 Role of DICs, SFCs, SIDBI, Entrepreneurship Development				ns – Projected Financ	ial
4.1 Government Policies for Small Scale Industries (SSIs)4.2 Role of DICs, SFCs, SIDBI, Entrepreneurship Development	4			·MF-	
4.2 Role of DICs, SFCs, SIDBI, Entrepreneurship Development	4.				
			nstitutes (EDIs)	omp Development	2 + 3

	4.3 Khadi and Village Industries Corporation / Board	
	4.4 Critical Appraisal of Support Institutions & Govt. Policies	
5.	CASE STUDIES ON ENTREPRENEURSHIP	
	5.1 Case Studies – Successful & Unsuccessful Entrepreneurs	
	5.2 Key Variables explaining Success / Failures	2 + 4
	5.3 Industrial Sickness – Reasons	
	5.4 Discussion on Future of SMEs in India	

Suggested Readings:

- 1. Desai Vasant The Dynamics of Entrepreneurial Development and Management –Himalaya Publishing House
- 2. Donald F. Kuratko & Hodgetts Entrepreneurship: Theory, Process & Practice Cengage Learning
- 3. K. Ramachandran Entrepreneurship: Indian Cases on Change Agents TMGH New Delhi
- 4. Morse, Mitchell Cases in Entrepreneurship Sage South Asia Edition
- 5. Gupta C.B. and Srinivasan –Entrepreneurship Development in India Sultan Chand & Sons
- 6. Vasant Desai Project Management & Entrepreneurship Himalaya Publishing House

	Learning Outcomes				
1.	The Participants will be provided basic insights into the Process of				
	Entrepreneurship and its Nuances				
2.	The Participants mayget inspired by the Spirit of Entrepreneurship				
3.	3. The Participants will get an idea about the Status of Entrepreneurship Ventures in				
	India including Women Entrepreneurship				

PY5CRT 15 ENVIRONMENTAL PSYCHOLOGY AND HUMAN RIGHTS

Credit:4 Teaching Hours:3/week

Objectives

- To encourage students to do research, investigate how and why things happen, and make their own decisions about complex environmental issues by developing and enhancing critical and creative thinking skills. It helps to foster a new generation of informed consumers, workers, as well as policy or decision makers.
- To help students understand how their decisions and actions affect the environment, build knowledge and skills necessary to address complex environmental issues, as well as ways to take action that can keep our environment healthy and sustainable for the future. It encourages character building, and develop positive attitudes and values.
- To develop a sense of awareness among the students about the environment and its various problems and to help the students in realizing the interrelationship between man and the environment and helps to protect the nature and natural resources.
- To help the students to acquire the basic knowledge about the environment and the social norms that provide unity with environmental characteristics and create a positive attitude about the environment.
- To acquaint students with the nature and basic concepts of environmental psychology
- To synthesize diverse information relevant to human-environment relationships in the context of environmental psychology.

Module I

Unit 1: Multidisciplinary nature of environmental studies

Definition, scope and importance Need for public awareness. (2 hrs)

Unit 2: Natural Resources:

Renewable and non-renewable resources: Natural resources and associated problems.

- a) **Forest resources**: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forest and tribal people.
- b) **Water resources**: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems.
- c) **Mineral resources**: Use and exploitation, environmental effects of extracting and using mineral resources, case studies.
- d) **Food resources**: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies.
- e) **Energy resources**: Growing energy needs, renewable and non renewable energy sources, use of alternate energy sources, Case studies.
- f) **Land resources**: Land as a resource, land degradation, man induced landslides, soil erosion and desertification
- Role of individual in conservation of natural resources.
- Equitable use of resources for sustainable life styles. (10 hrs)

Unit 3: 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 given ecosystem:- Forest ecosystem (6 hrs)

Module II

Unit 1: Biodiversity and its conservation

- Introduction
- Biogeographical classification of India
- Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values.
- India as a mega-diversity nation
- Hot-spots of biodiversity
- Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts
- Endangered and endemic species of India(8 hrs)

Unit 2: Environmental Pollution

Definition

Causes, effects and control measures of: -

- a. Air pollution
- b. Water pollution
- c. Soil pollution
- d. Marine pollution
- e. Noise pollution
- f. Thermal pollution
- g. 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 management: floods, earthquake, cyclone and landslides. (8 hrs)

Unit 3: Social Issues and the Environment

- 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
- 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 (10 hrs)

Module III

Unit 1. Environmental psychology

- What is Environmental Psychology
- Nature and Characteristics of Environmental Psychology

Unit 2. Introduction to concepts in environmental psychology

Definition of:

- Environmental perception
- Environmental cognition
- Environmental attitudes, beliefs, values & dispositions

(8 hrs)

Module IV

Unit1. Environment and Human Behaviour

- Nature and Human Nature (Briefly)
- Theories of Environment-Behaviour Relationships(Briefly)-Arousal, Environmental Load, Adaptation Level and Ecological Approach.
- Personal space
- Territoriality
- Crowding

Unit 2. Practice in environmental psychology

- Changing Behavior to Save the Environment
- Environmental Impact Assessment(Briefly)

(12 hrs)

Module - V

Unit 1- Human Rights

An Introduction to Human Rights, Meaning, concept and of Human Rights (Civil and Political Rights; Economic, Social and Cultural Rights).

Unit-2 Human Rights and United Nations

Contributions, main human rights related organs - UNESCO, UNICEF, WHO, ILO, Declarations for women and children, Universal Declaration of Human Rights.

Human Rights in India – Fundamental rights and Indian Constitution, Rights for children and women, Scheduled Castes, Scheduled Tribes, Other Backward Castes and Minorities

Unit-3 Environment and Human Rights

Right to Clean Environment and Public Safety: Issues of Industrial Pollution, Prevention, Rehabilitation and Safety Aspect of New Technologies such as Chemical and Nuclear Technologies, Issues of Waste Disposal, Protection of Environment

Conservation of natural resources and human rights: Reports, Case studies and policy formulation. Conservation issues of western ghats- mention Gadgil committee report, Kasthurirengan report. Over exploitation of ground water resources, marine fisheries, sand mining etc. (8 Hrs)

REFERENCES

Environmental Studies

- 1. BharuchaErach, Text Book of Environmental Studies for undergraduate Courses. University Press, IInd Edition 2013 (TB)
- 2. Clark.R.S., Marine Pollution, Clanderson Press Oxford (Ref)
- 3. Cunningham, W.P.Cooper, T.H.Gorhani, E & Hepworth, M.T.2001 Environmental Encyclopedia, Jaico Publ. House. Mumbai. 1196p .(Ref)
- 4. Dc A.K.Envioronmental Chemistry, Wiley Eastern Ltd.(Ref)
- 5. Down to Earth, Centre for Science and Environment (Ref)
- 6. Heywood, V.H & Watson, R.T. 1995. Global Biodiversity Assessment, Cambridge University Press 1140pb (Ref)
- 7. Jadhav.H & Bhosale.V.M. 1995. Environmental Protection and Laws. Himalaya Pub. House, Delhi 284p (Ref)
- 8. Mekinney, M.L & Schock.R.M. 1996 Environmental Science Systems & Solutions. Web enhanced edition 639p (Ref)
- 9. Miller T.G. Jr., Environmental Science, Wadsworth Publishing Co. (TB)
- 10. Odum.E.P 1971. Fundamentals of Ecology. W.B. Saunders Co. USA 574p (Ref)
- 11. Rao.M.N & Datta.A.K. 1987 Waste Water treatment Oxford & IBII Publication Co.Pvt.Ltd.345p (Ref)



SCMS SCHOOL OF TECHNOLOGY AND MANAGEMENT

SCMS Campus, Prathap Nagar, Muttom, Aluva, COCHIN- 683 106. KERALA

Syllabus of Courses Human Values

THIRD SEMESTER

BA3CRT11 HUMAN RESOURCE MANAGEMENT

Core Course

No. of credit : 4 No. of contact hour: 5

MODULE- I

Definition, Nature, scope, role, objective of Personnel management, level of management, Organisation of Personnel Dept. its functions, Ergonounics, Challenger and relevance of HRM. Manpower planning.

MODULE- II

Recruitment - Sources of recruitment, Selection- Selection process, Training - Definition. Types of training Executive Development.

MODULE- III

Performance Appraisal, techniques Promotion, Career Planning.

MODULE- IV

Job analysis, Job Design, Job Evaluation Wage. Definition, Factors affecting wage policy, Wage Boards Fringe Benefits, Prerequisites, Incentives, Bonus, Profit sharing, VRS, Maintenance of service files pension.

MODULE- V

Drafting charge sheets, Model standing orders, code of conduct, Bond of service, wage & salary records, E.S.I, P.F. Gratuity, pension and bonus records.

Reference text:

To				
Title	Author	Publishing & Year		
Human Resource	Pravin Durai	Pearson		
Management				
Personnel management	Edwin Philipo			
Personnel management	Mammoria&Mammoria	Himalaya		
		Publishing House,		
		Mumbai		
A frame work for human	Gary Desseler			
resource management				
Human resource and	K. Aswathappa			
personnel management				
Personnel HRM	Subba Rao	Himalaya		
		Publishing House,		
		Mumbai		
	Human Resource Management Personnel management Personnel management A frame work for human resource management Human resource and personnel management	Human Resource Pravin Durai Personnel management Edwin Philipo Personnel management Mammoria&Mammoria A frame work for human resource management Human resource and personnel management K. Aswathappa		

FIFTH SEMESTER

BA5CRT21 ORGANISATIONAL BEHAVIOUR

Core Course

No. of credit : 4 No. of contact hour: 6

Course Objectives

- Understand the implications of individual and group behaviour in organisational context.
- Understand the concept of organisational behaviour, social organisation and the diverse environment alongside with the management of groups and teams
- > Appreciate the culture of organisational culture

Learning Outcome

- Manage conflict amongst groups in business environment
- Comprehend and apply motivational theories in the workplace
- ➤ Identify changes within organisations and power and politics in organisations

MODULE- 1:

Introduction to Organisational Behaviour- Various discipline contributing to OB- Hawthorne experiment- foundation of individual behaviour- need and importance of organisational behaviour-nature and scope- framework of organisational behaviour

MODULE- II:

Personality-types-factors affecting personality-perception-importance-factors influencing perception-learning-types of learning styles-the learning process

MODULE- III:

Motivation-theories-importance –types –values and attributes-characteristics-components-formation and measurement-group dynamics group behaviour-formation-types of groups-stages of group development-conflict management-nature of conflict-types of conflict

MODULE-IV:

Leadership-meaning-importance-leadership styles-leaders Vs. managers-power and politics-sources of power

MODULE-V:

Organisational structure and design-organisational climate- factors affecting organisational climate- organisational development-organisational culture-organisational change- current trend in OB

Core texts

SI No.	Title	Author	Publishing & Year
1	Essentials of Organisational Behaviour	Stephen P Robbins, Timothy A. Judge &SeemaSanghi	Pearson, 10 th edition
2	Organizational behaviour	Bhattacharya	Oxford university Press
3	Organization behaviour	LM Prasad	Sultan Chand & Sons 2005

8. Websites: https://labour.gov.in/industrial-relationshttps://iira.webs.com/news.htm

	LEARNING OUTCOMES		
1.	1. The Participants will get an overview of Industrial Relations Scenario in India		
2.	2. The Participants will get basic insights into the Labour Laws in India and the Role of		
	Trade Unions in Industrial Relations		

Course Code	Course Title	Semester &Level of Knowledge	Type of Course& No. of Credits	
MB82	COUNSELING SKILLS FOR	S4 Working	Elective Course	
03/0408	MANAGERS		3	
Course O	,			
1.	To Provide a clear understanding		chniques and	
	Issues involved in Counseling as a			
2.	To Impart basic skills in Counselin	ng to the Participants	T	
Module No.	Title & Contents		No. of Sessions LT (Indicative)	
1.	INTRODUCTION TO COUNSELING		,	
	1.1Meaning, Functions and Type of C	Counseling		
	1.2Goalsof Counseling –Emergencean			
	1.3Approachestocounseling	S	4 + 2	
	1.4Counseling Skills, Verbal & Non- \	Verbal communication, Listening		
	Barriers, Counselor Qualities			
2.	COUNSELING PROCESS			
	2.1Beginning,DevelopingandTermina			
	followup			
	2.2Counseling Procedures	4 + 3		
	2.3The Counseling Environment			
	2.4Intake, Referral procedures, Guide			
3.	COUNSELOR'S ATTITUDE AND SKILLS FOR COUNSELORS			
	3.1Counselors-ClientRelationship-UnderstandingClient'sBehavior-			
	AssessingClients problems	3 + 2		
	3.2CounselingTherapies-Insight Orie			
4.	SELECTING COUNSELING STRATEGIES AND INTERVENTIONS			
	4.1Adaptivestrategies-		3 + 2	
	ChangingBehaviorthroughCounselin	gIntheEducationalSettings	ttings	
	4.2Special Areas in Counseling-			
	Disputes through Counseling			
5.	SPECIAL PROBLEMS IN COUNSELIN			
	5.1Need of Counseling Cell in th			
	Counseling to Organizational		4+ 3	
	5.2 Organizational Application of Cou	unseling		
	5.3 Skills In Change Management : I	Downsizing, Mentoring and Team		

Management, Conflict Resolution.	

Suggested Readings:

- 1. avitaSingh CounselingSkill forManagers,Pears Education,2007
- 2. Robert S Feldman– Understanding Psychology, McGraw Hill, 2007
- 3. NarayanRaoS.-Counselling&Guidance,TataMcGrewHill,1997
- 4. JeffreyKotter A. Counselling Theories and Practices, Cengage Learning, 2011
- 5. Robert Carson C. Abnormal Psychology, TataMcGrawHill, 2007

LEARNING OUTCOMES			
1.	The Participants will get an overview on Counseling and its nuances		
2.	The Participants may gain insights into the Processes and Procedures involved in		
	Counseling		

Course Code		Course Title	Semester &Level of Knowledge	Type of Course& No. of Credits	
MB82		HUMAN RESOURCES	S4 Working	Electi	ve Course 3
03/0409					
Course C	bjectiv	ve	·		
1.	To lea	ırn Fundamental Principles of Hu	man Resource Informat	ion Sys	tem.
2.	To Develop specific Human Resource Information System Skills, Competencies needed				oetencies needed
	by Pro	ofessionals.			
Module No.	Title & Contents			No. of Sessions LT (Indicative)	
1.	INTRODUCTION TO HUMAN RESOURCE INFORMATION SYSTEM 1.1Evolution of Human Resource Information Systems 1.2TheRole of Information Technology, Database Concepts and				
	Applications in Human Resource Information Systems 1.3Systems considerations in the Design of Human Resource Information Systems, Planning for implementation				4 + 2
2	HUMANRESOURCEINFORMATION SYSTEMNEEDS 2.1 Human Resource Information Systems need Analysis, Systems Design and Acquisition				
	2.2 H 2.3 C	IR Metrics and Workforce Analytic ost justifying Human Resource Inf nvestment.			4 + 2
3	SYSTI 3.1 H	ANRESOURCEINFORMATION EMIMPLEMENTATION&ACCEPT Iuman Resource Information Sylhange Management mplementation, integration and	ystems Project Manage		4 + 2

MB0102	03 HUMAN RESOURCES MANAGEMENT S2 Working	Core Course 3			
	Course Objective				
1.	To provide participants a synthesized framework of Human Resources theory & practice				
2.	To impart practical insights into HR Practices in Organisations				
3.	Learn to align HR Systems with the Strategic Business Objectives of a Firm.				
Module No.	Title &Contents	No. of Sessions LT (Indicative)			
1.	INTRODUCTION TO HUMAN RESOURCES MANAGEMENT				
	1.1 Human Resources Management - Line & Staff Aspects of HR -				
	Trends Shaping HRM				
	1.2 Line Managers' HR Management Responsibilities	3 + 2			
	1.3 Roles and Skills of New Human Resources Manager				
	1.4 HR and Strategy – Business Integrated HRM				
2.	RECRUITMENT, PLACEMENT AND TALENT MANAGEMENT				
۵.	2.1 Talent Management Process – Job Analysis – Uses of Job Analysis				
	2.2 Writing Job Descriptions & Job Specifications (Practical Exercises)				
	2.3 HR Planning – Recruitment – Sources – Recruiting Yield Pyramid	3 + 2			
	- Succession Planning				
	2.4 Employee Testing – Type of Tests – Selection – Trends in				
	Employee Background Investigation				
	2.5 Interviewing Candidates – Types of Interviews				
3.	TRAINING AND DEVELOPMENT, PERFORMANCE MANAGEMENT				
	3.1 Employee Orientation / Onboarding				
	3.2 Training – ADDIE Training Process – Training Need Analysis (TNA)				
	3.3 Designing a Training Programme – An Overview of Types of Training – Evaluation of Training Programmes	4 + 3			
	3.4 An Overview of Management Development Programme				
	3.5 Performance Appraisal Process – Techniques for Appraising Performance				
	3.6 Performance Management - Elements - Career Planning -				
	Employee Life Cycle Management; Promotion, Transfer &				
	Retirement				
4.	COMPENSATION MANAGEMENT				
	4.1 Compensation – Factors Determining Pay Rates				
	4.2 Job Evaluation Methods – Ranking, Job Classification, Point				
	Method, Computerized Job Evaluation				
	4.3 Market Competitive Pay Plan – Pricing Managerial & Professional				
	Jobs – Broadbanding	4 + 2			
	4.4 Brief Outline of Employee Incentives & Recognition Programmes				
	4.5 Statutory & Non-Statutory Benefits – Insurance & Retirement benefits – Quality of Worklife (QWL)				
5.	EMPLOYEE RELATIONS & RECENT TRENDS IN HRM				
٥.	5.1 Meaning of Employee Relations – Industrial Relations				
	5.2 Industrial Disputes – Causes, Forms of Industrial Disputes				
	5.3 Preventive Machinery – Collective Bargaining	5 + 2			
	5.4 Trade Unions – Objectives, Functions – Employee Welfare				
	5.5 Grievances Handling & Employee Discipline – Grievance				

Procedure – Disciplinary Procedure	
5.6 Strategic Human Resources Management – Strategic Tools, An	
Overview of HR Analytics - Downsizing	

Suggested readings

- 1. Dessler Gary, Varkkey Biju -HUMAN RESOURCE MANAGEMENT Pearson11thedition
- 2. Aswathappa K. Human Resources Management: Text & Cases Tata McGraw Hill
- 3. V.S.P. Rao Human Resources Management: Text & Cases Excel Books
- 4. Robert L. Mathis, John H. Jackson Human Resource Management Thomson South Western
- 5. R. Wayne Mondy Human Resource Management Pearson
- 6. Raymond Noe Employee Training and Development Tata McGraw Hill
- 7. Mizra S. Saiyadain Human Resources Management, 4th Ed. Tata McGraw Hill.

Learning Outcomes				
1.	The participants will be able to get Conceptual Clarity in Human Resources			
	Management			
2.	At the end of this Course the participants may get insights into HR Practices in			
	Organisations			
3.	The participants will understand the interrelationship between HRM and Business			
	Processes			

Course Code		Course Title	Semester & Level of	Type of Course &	
			Knowledge	No. of Credits	
MB010204		OPERATIONS MANAGEMENT	Working	Core Course 3	
		Course Ob	jective		
1.	1. To provide basic understanding of the Production / Operations Management				
	func	function in Organizations.			
2.	To m	To make the participants aware of the quality tools in Operations Management.			
3.	To sensitize the participants about the current Operations Management Process and				
	Strategies followed in India and abroad				
	No. of Sessions				
Module	Title & Contents		LT (Indicative)		
No.					
1.	INTF	INTRODUCTION TO OPERATIONS MANAGEMENT			
	1.1 Operations Management: Introduction and overview				
	1.2 Operations Management in manufacturing sector			4 + 2	
	1.3 Non-Manufacturing operations				



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Syllabus of Courses Environment and sustainability

Jaiva Krishi: Arivum Padanavum

Course

മൊസ്യൂള് - 0

- 0.0 ജൈവകൃഷി അറിവും പഠനവും എന്ന ഓ ലൈ
 കോഴ് സിലേക്കു എല്ലാവ ക്കും സ്വാഗതം
- 0.1 കോഴ്സ് അവലോകനം
- 0.2 കോഴ് സുമായി ബന്ധപ്പെട്ട ആശയവിനിമയം
- 0.3 പഠനവിഭവങ്ങളെ എങ്ങനെ പ്രയോജനപ്പെടുത്താം
- 0.4 പഠനസംബന്ധമായ പ്രവ ത്തനങ്ങളും വിലയിരുത്തലും
- 0.5 പഠനവിഭവങ്ങളുടെ ഉപയോഗവും പക പ്പവകാശവും

മൊഡ്യുള് 1 - ജൈവകൃഷിയുടെ ചരിത്രം

1, ജൈവകൃഷിയുടെ ചരിത്രം

- 1.1 കൃഷിയുടെ ചരിത്രം
- 1<u>2 ജൈവകൃഷിയുടെ ചരിത്രം</u>
- 1,3 ഇന്ത്യ ഹരിതവിപ്ലവം

മൊഡ്യുള് 2 - ജൈവകൃഷിയുടെ അടിസ്ഥാന തത്വങ്ങ

2.ജൈവകൃഷിയുടെ അടിസ്ഥാന തത്വങ്ങ

- 2.1 എന്താണ് ജൈവക ബ്രി
- 2.2 തെളവക്യവിയുടെ ദ
- · 23 പരിസ്ഥിതിയും ബൈകുന്നിയും
- · 24 ആധുനിക കുണിയും ജൈവകുണിയും

മൊഡ്യൂള് 3 - ജൈവ കൃഷി സമ്പ്രദായങ്ങ

3. ജൈവകൃഷി സമ്പ്രദായങ്ങ

STEPHOLOGY

STEPHOLOGY

STEPHOLOGY

STEPHOLOGY

STEPHOLOGY

SASHI KUIMAR

PRINCIPAL

SCIESSINGA OF TECHNOLOGY MICH REMARKSHEIN

- 3.1 <u>ബയോഡൈനാമിക്ക് കൃഷി</u>
- <u>3.2 ലോ എക്സ്റ്റേണ ഇൻപൂട്ട് സസ്റെറയിനബി അഗ്രിക ച്ച</u> (ലീസ)
- 3.3 പെ മാക ച്ച
- 3.4 റീജനറേറ്റീവ് അഗ്രിക ച്ച
- 3.5 സുസ്ഥിര കൃഷി
- 3.6 നേച്ച ഫാ മിംഗ്
- 3.7 പ്രകൃതിയുടെ കൃഷി
- 3.8 ഉഴവില്ലാകൃഷി
- 3.9 സീറോ ബജറ്റ് ഫാ മിംഗ്
- 3.10 സോഫ്റ്റ് അഗ്രിക ച്ച

മൊഡ്യൂള് 4 - മണ്ണിന് റെ പ്രാധാന്യം

<u>4. മണ്ണിന് റെ പ്രാധാന്യം</u>

- 4.1 എന്താണ് മണ്ണ്
- 4.2 ജീവനൂള്ള മണ്ണ്
- 4.3 മണ്ണിന് റെ വേര് തിരിവുകള്
- 4.4 ജൈവകൃഷിയും മണ്ണും
- 4.5 മണ്ണൂ സംരക്ഷണം

<u>മൊഡ്യൂള് 5 - നടീല് വസ്തൂക്കളും വളപ്രയോഗവൂം</u>

നടീല് വസ്തുക്കളും വളപ്രയോഗവും

- 5.1 നടീല് വസ്തുക്കളും ജൈവകൃഷിയും
- 5.2 വളവും ജൈവകൃഷിയും
- 5.3 മൃഗ-പക്ഷി-മത്സ്യ വിസര് ജ്യങ്ങള്
- 5.4 ചാരം, പച്ചില, എല്ല്, പാറ, പിണ്ണാക്ക്
- 5.5 കമ്പോസ്റ്റ് വളങ്ങള്
- 5.6 പൂളിപ്പിച്ച വളങ്ങള്
- 5.7 ജീവാണുവളങ്ങള്

മൊഡ്യൂള് 6 - കീട - രോഗ നിയന്ത്രണ മാര് ഗങ്ങള്

Or. G. SASHI KIMAR

Or. G. SASHI KIMAR

PRINCIPAL

ORIGINAL HID KAMAGENEM

6. കീട-രോഗ നിയന്ത്രണ മാര് ഗങ്ങള്

- 6.1 ജൈവകൃഷിയുടെ കീട-രോഗ സമീപനം
- 6.2 കെണികള് കൊണ്ടൂള്ള കീടനിയന്ത്രണം
- 6.3 ജൈവ കീടനാശിനികള്
- 6.4 ജീവാണു മിശ്രിതങ്ങള്
- 6.5 മിത്ര കീടങ്ങള്
- 6.6 ജീവാണു കുമിള് നാശിനികള്
- 6.7 അനുയോജ്യമായ കൃഷിമുറകള്

മൊഡ്യൂ 7- Project -ജൈവ കൃഷി

പ്രോജക്ടിനായുള്ള മാ ഗരേഖ

മൊഡ്യൂള് 8 - കേരളവും ജൈവകൃഷിയും

- 8. കേരളവും ജൈവകൃഷിയും
 - 8.1 കേരളത്തിലെ കാര് ഷിക യാഥാര് ഥ്യം
 - o <u>8.2 ജൈവകൃഷി കേരളത്തില്</u>
 - o 8.3 <u>സംഘടനകളും ജൈവകൃഷിയും</u>
 - 8.4 കേരളത്തിലെ ജൈവകൃഷി സമ്പ്രദായങ്ങള്

മൊഡ്യൂള് 9 - ജലസംരക്ഷണം, നീര് ത്തടം

- 9. <u>ജലസംരക്ഷണം, നീര് ത്തടം</u>
 - o <u>9.1 ജൈവകൃഷിയുടെ ജലസമീപനം</u>
 - o <u>9.2 എന്താണ് നീര് ത്തടം</u> ?
 - 9.3 കോണ്ടൂര് അടിസ്ഥാനത്തിലൂള്ള കൃഷി
 - o <u>9.4 കാര് ഷികാനൂബന്ധ നിര് മാണ പ്രവര് ത്തനങ്ങള്</u>
 - o <u>9.5 ജലസംഭരണികള്</u>
 - 9.6 കാര് ഷിക പ്രവര് ത്തനങ്ങള്

മൊഡ്യൂ 10 - സംയോജിതകൃഷി

- 10. സംയോജിതകൃഷി
 - o <u>10.1 സംയോജിതകൃഷി</u>



- 10.2 വീട്ടുവളപ്പിലെ പുരയിട കൃഷി
- o 10.3 <u>മട്ടുപ്പാവ് കൃഷി</u>
- o 10.4 <u>നെ പ്പാടങ്ങളിലെ സംയോജിത കൃഷി</u>
- o 10.5 പൊക്കാളിപ്പാടത്തെ സംയോജിത<u>്ര</u>കൃഷി
- o <u>10.6 സംയോജിത കൃഷി കൂട്ടനാട്ടി</u>
- o 10.7 <u>ബഹുതലസംയോജിത കൃഷി</u>
- o 10.8 <u>മറ്റ് സംയോജിത കൃഷി സമ്പ്രദായങ്ങ</u>

മൊഡ്യൂള് 11 - ജൈവസാക്ഷ്യപത്രം

- 11 . ജൈവസാക്ഷ്യപത്രം
 - 11.1 എന്താണ് ജൈവസാക്ഷ്യപത്രം
 - o <u>11.2 സാക്ഷ്യപത്രം വിവിധ ലോകരാജ്യങ്ങളി</u>
 - o <u>11.3 അംഗീകൃത ഇന്ത്യന് ഏജന് സിക</u>
 - o <u>11.4 നാഷണ പ്രോഗ്രാം ഫോര് ഓര് ഗാനിക് പ്ര</u>ൊഡക്ഷന്
 - 11.5 പിജിഎസ് സാക്ഷ്യപത്രം

മൊഡ്യൂ 12 - ജൈവ വിപണനവും സാധ്യതകളും

- 12. ജൈവ വിപണനവും സാധ്യതകളും
 - 12.1 വളരുന്ന ജൈവ വിപണി
 - o 12.2 <u>രാജ്യാന്തര ജൈവ വിപണിയും ഇന്ത്യയുടെ സാന്നിധ്യവ</u>ും
 - 12.3 ഇന്ത്യയുടെ ആഭ്യന്തര ജൈവ വിപണി
 - o <u>12.4 ജൈവ വിപണിയുടെ വെല്ലുവിളിക</u>
 - 12.5 ജൈവവിപണനത്തിലെ സാധ്യതക

മൊഡ്യൂ 13 - ജൈവ ജീവിതം

- 13. ജൈവ ജീവിതം
 - 13.1 ജൈവ ജീവിതം സിദ്ധാന്തവും പ്രയോഗവും
 - o <u>13.2 ജൈവകൃഷി</u>
 - o <u>13.3 ജൈവ ഭക്ഷണം</u>
 - o <u>13.4 ജൈവ ആരോഗ്യരക്ഷ</u>
 - 13.5 ജൈവ വസ്ത്രധാരണം
 - o <u>13.6 ജൈവ പാര് പ്പിടം</u>
 - o <u>13.7 ജൈവസൗന്ദര്യരക്ഷ</u>
 - o <u>13.8 ലഹരിമൂക്ത ജീവിതം</u>

മൊഡ്യൂ 14- Project - ജൈവവള നി മ്മാണം

Dr. G. SASHI KIIMAR

PRINCIPAL

ORDOR OF TOMORON MO KANAGEMEN

മഹാത്മാഗാന്ധി സർവ്വകലാശാല

ബിരുദ വിദ്യാർത്ഥികൾക്കുവേണ്ടിയുള്ള ജൈവകൃഷി(MOOC) പ്രോജക്ട് നടപ്പാക്കുന്നതിനുള്ള മാർഗ്ഗരേഖ

ലക്ഷ്യം : ജൈവകൃഷികളെക്കുറിച്ച് പ്രായോഗിക വൈദഗ്ധ്യം നേടിയെടുക്കാൻ വിദ്യാർത്ഥികളെ പ്രാപ്തരാക്കുക എന്നതാണ് ഈ ജൈവകൃഷി പ്രോജക്ട് കൊണ്ടു ഉദ്ദേശിക്കുന്നത്.

i, moreissmo:

- 1.1 ഓരോ കോളേജിലും വിവിധ കോഴ്സുകളിൽ പഠിക്കുന്ന വിദ്യാർത്ഥികളുടെ പ്രോജക്ട് പ്രവർത്തനം നയിക്കുന്നതിനുള്ള ചുമതല അദ്ധ്യാപകതലത്തി ലൂള്ള മെന്റർമാർക്കായിരിക്കും.
- 1.2. ഓരോ കോളേജ് തലത്തിലും വിവിധ കോഴ്സുകളുടെ മെന്റർമാരുടെ പ്രവർത്തനം ഏകോപിപ്പിക്കുന്ന ചുമതല അദ്ധ്യാപക ശ്രേണിയിൽപ്പെടുന്ന കോ- ഓഡിനേറ്റർമാർ നിർവ്വഹിക്കും.
- 1.3. സർവ്വകലാശാലതലത്തിൽ കോ-ഓഡിനേറ്റർമാർ, മെന്റർമാർ എന്നിവരുടെ പ്രവർത്തനം ഏകോപിപ്പിക്കുകയും അവർക്കുവേണ്ട നിർദ്ദേശങ്ങളും പരിശീലന പരിപാടികളും യഥാസമയം നടത്തുന്നതാണ്.

2. ഗുണഭോക്താക്കൾ

മഹാത്മാഗാന്ധി സർവ്വകലാശാലയിലെ വിവിധ കോളേജുകളിൽ ബിരുദ പാനത്തിൽ ഏർപ്പെടുന്ന കോട്ടയം, ഇടൂക്കി, എറണാകുളം, ആലപ്പുഴ, പത്തനംതിട്ട ജില്ലകളിലെ ഏകദേശം അറൂപതിനായിരം വിദ്യാർത്ഥികൾ.

പ്രോജക്ട് നടപ്പാക്കുന്ന സ്ഥലം

വീട്ടിലും വിദ്യാലയത്തിലുമായി ഓരോ വിദ്യാർത്ഥിയും കുറഞ്ഞത് 20 ച.മീ (അരസെന്റ്) സ്ഥലത്തിലോ, അല്ലെങ്കിൽ 25 ഗ്രോ ബാഗുകളിലോ വിവിധ വിളകൾ ജൈവകൃഷിമീതിയിൽ കൃഷിചെയ്ത് ഒരു പോഷകത്തോട്ടം ഒരുക്കേണ്ടതാണ്. നല്ലത് പോലെ സുമൃഗ്രകാശം ലഭിക്കുന്ന, നീർവാർച്ച സൗകര്യമുള്ള തുറസ്സായ സ്ഥലങ്ങളാണ് ഇതിനരികാരും.

4. വിളകൾ

പച്ചക്കറിവിളകളായ ചീര, വെങ്ങ, തടപ്പയർ, വഴുതന, പച്ചമുളക് സുഗന്ധവിള കളായ ഇഞ്ചി, മഞ്ഞൾ, കിഴങ്ങു വർഗ്ഗവിളകളായ ചേന, മരച്ചീനി തുടങ്ങിയവയിൽ നിന്നും അഞ്ചുതരം വിളകൾ വിദ്യാർത്ഥികൾക്ക് തിരഞ്ഞെടുക്കാം. പച്ചക്കറി വിള

Dr. G. SASHI KUMAR
PRINCIPAL
PRINCIP

കളും, സുഗന്ധവിളകളും, കിഴങ്ങു വർഗ്ഗവിളകളും ഉൾക്കൊള്ളുന്ന പോഷകത്തോട്ട മായിരിക്കും അഭികാമ്യം.

5. കൃഷിക്കാലം

കാലാവസ്ഥയുടെ മാറ്റങ്ങൾക്കനുസൃതമായാണ് കൃഷിക്കാലം നിശ്ചയിക്കേ ണ്ടത്. അന്തരീക്ഷ ഊഷ്മാവ്, മഴ എന്നീ കാലാവസ്ഥ ഘടകങ്ങളാണ് കൃഷിയുടെ ജയാപജയങ്ങൾ നിശ്ചയിക്കുക. ഗ്രോ ബാഗുകളിൽ എല്ലാ സീസണിലും കൃഷി ചെയ്യാമെങ്കിലും കാലോചിതമായ ജല പരിപാലന മുറകൾ ഉറപ്പാക്കേണ്ടതാണ്. ഫെബ്രുവരി-മാർച്ചിൽ തുടങ്ങി ജൂലൈ-ആഗസ്റ്റിൽ അവസാനിക്കുന്ന കൃഷിക്കാല മാണ് ലക്ഷ്യമിടുന്നത്.

6. കൃഷി ഉപകരണങ്ങൾ

മൺവെട്ടി, കൈപ്പല്ലി, വെട്ടുകത്തി, കുട്ട, പൂവാളി, ഹാൻഡ് സ്പ്രേയർ, നാപ്സാക് സ്പ്രേയർ എന്നീ കാർഷിക ഉപകരണങ്ങൾ ആവശ്യമാണ്.

7. വളങ്ങൾ

ജൈവ വളങ്ങളായ കംപോസ്റ്റ്, ചാണകം, ആട്ടിൻകാഷ്ഠം, കോഴിവളം എന്നി വയും സാന്ദ്രീകൃതവളങ്ങളായ കടലപ്പിണ്ണാക്ക്, വേപ്പിൻപ്പിണ്ണാക്ക്, തേങ്ങാപ്പിണ്ണാക്ക് എന്നിവയും, പച്ചിലവളങ്ങളായ ശീമക്കൊന്നയില, പെട്ടെന്ന് അഴുകുന്ന വിവിധ തരം കളകൾ എന്നിവയെല്ലാം ജൈവവളങ്ങളായി ഉപയോഗിക്കാം. ഫിഷ് അമിനോ ആസിഡ്, എഗ്റ് അമിനോ ആസിഡ്, പഞ്ചഗവ്യം, ജീവാമൃതം തുടങ്ങിയ വിവിധതര ത്തിലുള്ള പുളിപ്പിച്ച സാന്ദ്രീകൃതവളങ്ങളും ഉപയോഗിക്കാം.

ജീവാണുവളങ്ങളായ അസറ്റോബാക്ടർ, റൈസോബിയം, അസോസ്പൈ റില്ലം, ഫോസ്ഫോ ബാക്ടീരിയ, മൈക്കോറൈസ, ഫ്രാച്ചൂറിയ തുടങ്ങിയവയും വളപ്രയോഗത്തിൽ ഉൾപ്പെടുത്തണം.

ജൈവകീടനാശിനികളായ വേപ്പെണ്ണ, മറ്റ് വേപ്പ് അധിഷ്ഠിത കീടനാശിനികൾ, പുകയില കഷായം, ജീവാണുകീടനാശിനികളായ വെർട്ടിസീലിയം, ബിവേറിയ, ജീവാണു കൂമിൾ നാശിനികളായ ട്രൈക്കോഡെർമ, സ്യൂഡോമോണാസ് എന്നി വയും കരുതേണ്ടതാണ്.

വിത്തും നടീൽ വസ്തൂക്കളും

കോട്ടയം, എറണാകുളം, ഇടുക്കി, പത്തനംതിട്ട, ആലപ്പുഴ ജില്ലകളിലെ സർക്കാർ കൃഷിത്തോട്ടങ്ങൾ, കാർഷിക സർവ്വകലാശാലയുടെ ഗവേഷണ കേന്ദ്രങ്ങൾ, കൃഷി വിജ്ഞാനകേന്ദ്രങ്ങൾ, വെജിറ്റബിൾ ആൻഡ് ഫ്രൂട്ട് പ്രമോഷൻ കൗൺസിൽ (VFPCK), കൃഷി ഭവനുകൾ എന്നിവിടങ്ങളിൽ നിന്നും ആവശ്യമായ വിത്തും നടീൽ വസ്തു ക്കളും ലഭ്യമാണ്. സർക്കാർ അംഗീകൃത നഴ്സറികളിൽ നിന്നും ഇവ വാങ്ങാവുന്ന താണ്.

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പരിപാലന മുറികൾ

നിലമൊരുക്കൽ, കുമ്മായപ്രയോഗം, അടിസ്ഥാന വളപ്രയോഗം, ഗ്രോ ബാഗുകൾ നിറയ്ക്കാനുളള മിശ്രിതം തയ്യാറാക്കൽ, പോഷകലായനി, സാന്ദ്രീകൃതവളം തയ്യാറാക്കൽ രോഗ-കീടനാശിനി നിർമ്മാണം, വിത്ത്വിത, നടീൽ, മേൽവളപ്രയോഗം, കീട രോഗ നിയന്ത്രണം, ജലപരിപാലനം, വിളവെടുപ്പ് എന്നിവയാണ് പ്രധാനപ്പെട്ട പരി പാലന മുറികൾ

10. പരിശീലന പരിപാടികൾ

മുൻ പറഞ്ഞ പരിപാലനമുറകളെക്കുറിച്ചുള്ള വിശദമായ പരിശീലന പരിപാടി കൾ കോർഡിനേറ്റർമാർക്കും മെന്റർമാർക്കും സർവ്വകലാശാലാതലത്തിൽ യഥാസ മയം നല്കുന്നതാണ്. കോ-ഓർഡിനേറ്റർമാരും മെന്റർമാരും അവരുടെ കീഴിലുള്ള വിദ്യാർത്ഥികൾക്ക് വിശദമായ പരിശീലനം തുടർന്ന് നൽകേണ്ടതാണ്.

11. നിരീക്ഷണങ്ങളും വിവരശേഖരണവും

വിദ്യാർത്ഥികൾ അവരുടെ വിളകളെ കൃത്യമായി നിരീക്ഷിക്കേണ്ടതും വിവര ശേഖരണം നടത്തേണ്ടതുമാണ്. വിവരശേഖരണ രേഖകൾ കൃത്യമായി മെന്റർമാർ, കോ-ഓർഡിനേറ്റർമാർ എന്നിവർ വിലയിരുത്തേണ്ടതുമാണ്. നിലമൊരുക്കൽ മുതൽ വിളവെടുപ്പുവരെയുള്ള കാലയളവിൽ ചെയ്യുന്ന വിവിധ പ്രവർത്തനങ്ങൾ ഈ രേഖയിൽ ഉൾപ്പെടുത്തേണ്ടതാണ്. പതിനഞ്ചു ദിവസം കൂടുമ്പോൾ, ചെടികളുടെ ഉയരം, ശാഖകളുടെ എണ്ണം, ആദ്യം പൂവിടുന്ന തീയതി, കായ് പിടിച്ച തീയതി, കായകളുടെ എണ്ണം, തുടർന്ന് വിളവെടുക്കുന്ന തീയതികളും വിളവിന്റെ അളവും കൃത്യമായി രേഖപ്പെടുത്തേണ്ടതാണ്. ചെടികളുടെ വിവിധ വളർച്ചാദശകളുടെയും, വിളവെടുക്കു ന്നതിന്റെയും ഫോട്ടോകൾ വിവരശേഖരണ രേഖയിൽ ഉൾപ്പെടുത്തണം. കീടരോഗാ ക്രമണങ്ങൾ, അവയ്ക്കെതിരെ സ്വീകരിച്ച പ്രതിവിധി എന്നിവയും ഉൾപ്പെടുത്തേ ങ്ങതാണ്. വിദ്യാർത്ഥികളുടെ കാർഷിക അനുഭവങ്ങളും അവർക്കു നേരിടേണ്ടിവന്ന പ്രതിസന്ധികളും, അവ തരണം ചെയ്ത രീതികളും റിപ്പോർട്ടിൽ ഉൾപ്പെടുത്തേണ്ട താണ്.

12. കോളേജുതല വിലയിരുത്തൽ സെമിനാറുകൾ

ഓരോ വിദ്യാർത്ഥിയും അവരുടെ ജൈവകൃഷി അനുഭവങ്ങൾ കോളേജുത ലത്തിൽ നടത്തുന്ന 'വിലയിരുത്തൽ സെമിനാറിൽ' അവതരിപ്പിക്കേണ്ടതും കോർഡി നേറ്റർമാർ, മെന്റർമാർ എന്നിവർ വിദ്യാർത്ഥികളെ വിലയിരുത്തേണ്ടതുമാണ്.

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MAHATMA GANDHI UNIVERSITY, KOTTAYAM

MOOC course on Organic Farming Project II (Organic Manure Making)

Guidelines

Objective:

Per capita waste generation in India is estimated to be around 500 gram per day. A nuclear family of 4-5 members generates 2 to 2.5 kg of wastes per household. Organic wastes generated at household levels can be processed at the source itself. Decentralized waste processing is more practical and cost effective than a centralized one. It is the responsibility of each individual to process the waste generated by him/her. The present project is therefore aimed at training the Under Graduate students of Mahatma Gandhi University to familiarize with the different biotechnological means to process the household and kitchen wastes to valuable manure at household level.

Organizational chart

The students have to take up the processing of the kitchen and garden wastes generated by them at the family level, for which a processing unit has to be installed at each homestead of the respective student. The students of a particular programme in a college will be guided by a mentor who shall be a faculty member of that college. The project execution will be the responsibility of the students under the active guidance of the respective mentor. The mentors from the different programmes within a college shall be coordinated by a Coordinator, who shall be a senior level faculty member of that college. The co-ordinators and mentors from the affiliated colleges will be guided and trained by the designated faculty members at the university level.

Beneficiaries

Under Graduate students of all affiliated colleges of Mahatma Gandhi University and their family members are the beneficiaries.

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Location

The location of the project shall be at the residence of the student concerned. Those students residing in hostels can implement the project at the respective college campus. Approximately one square meter area has to be set aside near the kitchen or in the backyard to install the processing unit.

Project theme

Composting is a biological process in which microorganisms of aerobic (which require air or oxygen for development) and anaerobic (which functions in absence of air or free oxygen) decompose organic matter.

Conversion of organic wastes generated at household level to useful materials like manure is the theme of the project. Kitchen wastes and garden wastes, generated on a daily basis are to be processed and converted to compost by using appropriate methods. Depending upon convenience and accessibility, the students may opt for processing of either kitchen waste or garden waste. For students who operate from their house, processing of kitchen waste may be more practical. For the others, especially those residing in hostels, processing of garden waste and leaf litter may be preferred.

Methodology

The composting process adopted for kitchen wastes and garden wastes are different. Students have the option to choose the composting of either kitchen waste or the garden waste.

A. Composting Kitchen waste

Materials required

- 1. Kitchen waste including vegetable waste, fish waste, food waste etc. Waste shall be devoid of plastics, oily materials, bottles and liquefied food wastes.
- 2. Bio Bins to hold the kitchen waste. Bio bins can be earthen made similar to garden pots, polypropylene pots or PVC pipes of 200 mm diameter. Micro pores on the bin walls ensure aeration that facilitates microbial activity. Large garden pots of one cubic feet can be an alternative, which may be less expensive. The holes of such pots in the base may be closed using

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cement mortar. Different types of bio bins are distributed by the Panchayats, Municipalities and Municipal Corporations, suitable for processing kitchen waste.

3. Composting inoculums: Composting inoculums are consortia of microflora that can easily decompose vegetable and food wastes. They include bacterial and fungal strains. Talc based and coir pith based inoculums are available. The compost once produced can also be used as inoculum. The waste decomposer developed by the *National Centre of Organic Farming* (NCOF) is an effective and less expensive source of composting inoculum.

These are available from various sources. The inoculum developed by the Kerala Agricultural University is available from College of Agriculture, Vellayani, College of Horticulture, Vellanikkara, Research stations and Krishi Vignana Kendrams (KVK) under the Kerala Agricultural University. Private institutions like Agrobiotech also facilitate composting inoculums.

Composting process

A. Kitchen waste composting

1. Garden pot composting: Large garden pots (Cement/Terracota) are the simplest and cheapest containers for kitchen waste composting. The base holes of the pot are closed. At the bottom of the pot a layer of coir pith is spread at 1" thickness. Above this layer, spread the kitchen waste of the day. Over this layer, add the composting inoculum @ 5 g per kg of bio waste. The bin may be covered with a tile or wooden plank. This process of filling and addition of inoculum may be continued daily. The moisture within the bin has to be regulated by spreading coir pith or dry leaves. It may take 25 to 30 days to fill one pot. Stirring the contents of the pot for a while, accelerates the decomposition process. After 30 to 35 days of the last filling, the compost is taken out. The brown colored compost in powder form is quality manure that can be used for nourishing crops including vegetables.

A second pot may be prepared and filled as above subsequently. Care should be taken to fill the waste on the same day of its generation as the delay may cause egg laying by flies and contamination by its larvae.



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2. Bio bin Composting

This three layered bin biocomposter can be used for composting waste in terrace gardens and household in urban areas where space there may be space constraints. Either Terracotta or Poly propylene bins with micro pores and top covered with holed lid can be used. This is Ideal for a family of 3 to 4 generating up to 1kg /day of organic waste and to convert kitchen & organic waste to compost in 4-6 weeks. Coir pith and microbial inoculum can be used for composting.



3. Pipe Composting

This method, using polyvinyl chloride (PVC) pipes placed over ground within households can store degradable kitchen waste for a period of time to break down the waste into manure. In a straight line, drill holes along the pipe at a distance of about 7-8 cm between each to ensure air

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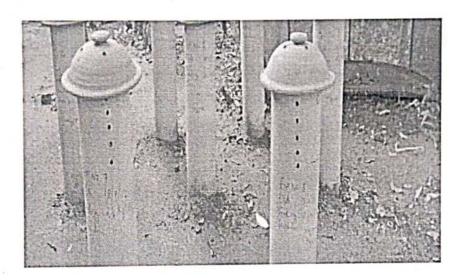
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ventilation. Drill about 4-5 holes on the end cap too. Add brown matter such as crushed dry leaves, wood chippings, coco peat etc., at the bottom and put kitchen waste above this. When we begin the composting process we pore in little bit of jaggery and cow dung along with two litres of water and start filling the pipe with wet waste. Two or more PVC pipes (about 4inch diameter & 5-6 feet height) can be temporarily erected with two feet in the ground or on a plant pot. Once the available volume in a pipe is filled and concealed thoroughly, waste stored in pipe would become manure in about 30-35 days which can be used as nutrients in garden.



B. Composting Garden waste

The National Centre for Organic Farming developed an inoculum that is capable of quick decomposition of organic wastes. It is a consortium of microorganisms extracted from cow dung and is available as 'waste decomposer' in 30 gm. packets. It is available from National Centre for Organic Centre, Ghaziabad. It is also available online from https://krushikendra.com and https://www.amazon.in

Preparation of composting inoculum

A solution of waste decomposing inoculum can be prepared by mixing 2 kg jaggerry in 200 liters of water to which the content of a bottle of the waste decomposer is added. Mix it properly with a stick. Cover the drum with a cardboard and repeat the stirring every day once or twice. After five days, the solution turns creamy and ready for use.

Composting tonic available from the Kerala Agricultural University outlets can also be used as inoculums. Cow Dung slurry prepared from cow dung can substitute the composting inoculum.

Composting process

Garden wastes collected may be spread at 20 cm thickness on a plastic sheet placed under shade. Wet the waste with a solution of the waste decomposing inoculum. Another 20 cm layer of waste may be spread over it and wet with the inoculum solution again. The process is repeated till the pile goes up by 50 cm. Turn over the pile at one week intervals and add composting inoculum at each stirring. Maintain the moisture content of the pile at around 60 percent. The compost will be ready for use in about two months.

Training programmes

The co- ordinators will be imparted training on the project work at the university level. The Coordinators have to train the mentors and they in turn will train the students under their control.

Observations and data collection

The students have to closely monitor the compost making process. They have to make a record of the process of initial preparation to final compost extraction. The materials required are to be procured and their photos are to be taken. The source of procurement of the inputs, especially the inoculum, should be genuine and to be recorded. The quantity and kind of waste materials filled are to be recorded on a daily basis. The quantity of compost produced after the specified period is to be quantified. The quality of the produce may be assessed by applying it to vegetable or garden plants. A record of all the events during the project period is to be maintained and submitted to the mentor for evaluation.

College level assessment

There are two components for student assessment. One is project report which carries 80 marks. The Other is a viva voce examination which carries 20 marks. Mentors have to conduct Viva voce of the students, under their control. The total mark for this project is 100.

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Stream	

SEMESTER 1

Core Course -1: DIMENSIONS AND METHODOLOGY OF BUSINESS STUDIES

Instructional Hours: 54 Credit: 2

Objectives

- *To understand business and its role in society*
- To have an understanding of Business ethics and CSR
- To comprehend the business environment and various dimensions
- To familiarise Technology integration in business
- To introduce the importance and fundamentals of business research

Module 1

Business and Environment Business- Functions - Scope - Significance of business - Objectives of business - Business and development - Forms of business organisations- Stake holders of business- Business Environment - Definition - Features- Importance - Components of business environment- Internal environment and external environment - Micro environment and macro environment- Global business environment (10 Hours)

Module 2

Business in India- Stages and developments of business in the Indian economy since independence - Role of public, private, co-operative sectors - Liberalisation, Privatisation and Globalization - Disinvestment - Outsourcing -Recent economic initiatives - Niti Ayog - Make in India initiative (10 Hours)

Module 3

Technology integration in business- E Commerce- Meaning- Functions - Operation of E-commerce - Types of E-Commerce -B2C-B2B-C2C- C2B- B2E- B2G- P2P- E-Commerce and E-Business - M-Commerce- Meaning- Advantages- Challenges - E-Payment systems (brief study) Debit/Credit card payment, Net banking, Digital wallet, e-cheque, e-cash - Payment gateway. (14 Hours)

Module 4

Business Ethics – Importance - Principles of business ethics - Factors influencing Business Ethics - Arguments in favour and against business ethics - Social responsibility of business – objectives and principles - Arguments in favour and against social responsibility. Corporate Governance – Meaning and importance – Objectives – Principles (10 Hours)

Module 5

Business Research – Research- Meaning and Definition- Importance of research- Quantitative and qualitative approach to research-Inductive and deductive reasoning- Major Types of Research (Pure-Applied - Exploratory- Descriptive- Empirical- Analytical) - Business Research- Elements of Business Research-Management Research - Objectives- Research Methods vs Research Methodology -Research Process(brief outline only) –Research report (10 Hours)

- 1. Keith Davis and William C.Frederick: Business and Society Management, Public Policy, Ethics.
- 2. Peter F. Drucker: Management Tasks, Responsibilities, Practices.
- 3. Peter F Drucker: The Practice of Management.
- 4. P.T.Joseph, S.J, E-Commerce: An Indian Perspective, Prentice Hall of India
- 5. Kamalesh K Bajaj and Debjani Nag: E-Commerce, the Cutting Edge of Business:, Tata McGraw Hill.
- 6. Schneider: E-Commerce:, Thomson Publication
- 7. CSV Murthy, Business Ethics, Himalaya Publishing House, Mumbai
- 8. C R Kothari Research Methodology, New Age Publishers
- 9. O R Krishnaswamy: Research Methodology- Himalaya Publications
- 10.N V Badi and R.V. Badi: Business Ethics: Vrinda Publications
- 11. Cherunilam, Fransis, Business environment, Himalaya Publishing House, Mumbai.
- 12. Fernando, A, C,. Business Environment, Pearson, New Delhi
- 13 Francis, Ronald & Mishra, Muktha, Business Ethics: An Indian Perspective, *Tata McGraw Hill Pvt Ltd*, *New Delhi*
- 14 Sharma, J.P., Corporate Governance, Business Ethics, and CSR, Ane Books Pvt Ltd, New Delhi.
- 15. Ghosh, B.N., Business Ethics and Corporate Governance, Tata McGraw Hill Pvt Ltd, Delhi.

Core Course -2: FINANCIAL ACCOUNTING-I

Instructional Hours: 90 Credit: 4

Objective:

To equip the students with the skill of preparing accounts and financial statements of various types of business units other than corporate undertakings

Module - I

Preparation of Financial Statements –Conceptual framework- Accounting Principles - Accounting Concepts - Accounting Conventions- - Capital and Revenue Expenditure - Capital and Revenue Receipts - Capital and Revenue Losses - Deferred Revenue Expenditure—Accounting Standards- Objectives -Final Accounts of Sole Trader - Trading Account - Manufacturing Account - Profit and Loss Account - Balance Sheet - Adjusting entries - Closing Entries- Practical Problems with all Adjustments.

(26 Hours)

Module -II

Accounting of Incomplete Records - Single Entry System - Features - Advantages - Disadvantages - Distinction between Single Entry and Double Entry System- Ascertainment of Profit/loss - Statement of Affairs Method - Conversion Method - Steps for Conversion of Single Entry into Double Entry - Preparation of Trading and Profit and Loss Account and Balance Sheet.

(20 Hours)

Module - III

Royalty Accounts – Meaning – Minimum Rent – Short Working – Recovery– Journal Entries in the books of Lessor and Lessee – Preparation of Minimum Rent Account – Short Working Account – Royalty Account (Excluding Sublease)– Special Circumstances: Adjustment of Minimum Rent in the event of Strike and Lock - outs - Govt. Subsidy in case of Strikes/Lockouts

(18 **Hours.**)

Module - IV

Semester 5				
Core Course Code Course Title No. of No. of Teac Course No Credit Hours				
09	EC5CRT09	Environmental Economics	4	90

Learning objectives:

The importance of environmental science and environmental studies cannot be disputed. The need for sustainable development is a key to the future of mankind. Continuing problems of pollution, loss of forget, solid waste disposal, degradation of environment, issues like economic productivity and national security, Global warming, the depletion of ozone layer and loss of biodiversity have made everyone aware of environmental issues. The United Nations Coference on Environment and Development held in Rio de Janerio in 1992 and world Summit on Sustainable Development at Johannesburg in 2002 have drawn the attention of people around the globe to the deteriorating condition of our environment. It is clear that no citizen of the earth can afford to be ignorant of environment issues. Environmental management has captured the attention of health care managers. Managing environmental hazards has become very important.

Human beings have been interested in ecology since the beginning of civilization. Even our ancient scriptures have emphasized about practices and values of environmental conservation. It is now even more critical than ever before for mankind as a whole to have a clear understanding of environmental concerns and to follow sustainable development practices.

India is rich in biodiversity which provides various resources for people. It is also basis for biotechnology.

Only about 1.7 million living organisms have been diescribed and named globally. Still manay more remain to be identified and described. Attempts are made to II conserve them in ex-situ and in-situ situations. Intellectual property rights (IPRs) have become importanat in a biodiversity-rich country like India to protect microbes, plants and animals that have useful genetic properties. Destruction of habitats, over-use of energy resource and environmental pollution have been found to be responsible for the loss of a large number of life-forms. It is feared that a large proportion of life on earth may get wiped out in the near future.

Inspite of the deteriorating status of the environment, study of environment have so far not received adequate attention in our academic programmes. Recognizing this, the Hon'ble Supreme Court directed the UGC to introduce a basic course on environment at every level in

Revised syllabi of UG Programme in Economics w.e.f 2017 admissions

college education. Accordingly, the matter was considered by UGC and it was decided that a six months compulsory core module course in environmental studies may be prepared and compulsorily implemented in all the University/Colleges of India.

The experts committee appointed by the UGC has looked into all the pertinent questions, issues and other relevant matters. This was followed by framing of the core module syllabus for environmental studies for undergraduate courses of all branches of Higher Education. We are deeply conscious that there are bound to be gaps between the ideal and real. Geniune endeavour is required to minimize the gaps by intellectual and material inputs. The success of this course will depend on the initiative and drive of the teachers and the receptive students.

Module I Unit 1: Multidisciplinary nature of environmental studies

Definition, scope and importance

(2 hrs)

Need for public awareness.

Unit 2: Natural Resources:

Renewable and non-renewable resources: Natural resources and associated problems.

a) Forest resources: Use and over-exploitation, deforestation, case studies.

Timber extraction, mining, dams and their effects on forest and tribal people.

- b) Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems.
- c) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies.
- d) Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies.
- e) Energy resources: Growing energy needs, renewable and non renewable energy sources, use of alternate energy sources, Case studies.
- f) Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification
- Role of individual in conservation of natural resources.
- Equitable use of resources for sustainable lifestyles.

(10 hrs)

Unit 3: 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 given ecosystem:
 - a. Forest ecosystem

(6 hrs)

ModuleII Unit 1: Biodiversity and its conservation

- Introduction
- Biogeographical classification of India
- Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values.
- 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

(8 hrs)

Unit 2: Environmental Pollution

Definition

Causes, effects and control measures of: -

- a. Air pollution
- b. Water pollution
- c. Soil pollution
- d. Marine pollution
- e. Noise pollution
- f. Thermal pollution
- g. 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 management: floods, earthquake, cyclone and landslides.

(8 hrs)

Unit 3: Social Issues and the Environment

- 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
- 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 (10 hrs)

Module – III Unit I: Economics and Environment

Environmental Economics – Definition – Scope – Meaning – importance – Environment-Economy interaction (linkages) – material balance model – ecosystem – structure and functions – relation between environment and development – Environment as a necessity and luxury-environmental issues and global concern-Stockholm Conference – Helsinki Convention – Montreal Protocol – Kyoto Protocol – Rio Summit – Paris Convention. Population growth and Environment – market failure – tragedy of commons-sustainable development-policy approach to sustainable development(An overview only). (16hrs)

Module IV Unit 1: Framework and Criteria for Environmental Analysis

Evaluation of environmental benefits – Contingent Valuation Method – Hedonic approach – travel cost method – preventive expenditure method - surrogate market approach – property value approach and wage differential approach - cost benefit analysis – UNIDO analysis –

Revised syllabi of UG Programme in Economics w.e.f 2017 admissions

Little- Mirrlees approach - Environmental Impact Analysis. Pollution control - socially optimum level of pollution - environmental policies and legislations in India. (18hrs)

Module – V Unit 1- Human Rights– An Introduction to Human Rights, Meaning, concept and development, Three Generations of Human Rights (Civil and Political Rights; Economic, Social and Cultural Rights).

Unit-2 Human Rights and United Nations – contributions, main human rights related organs - UNESCO, UNICEF, WHO, ILO, Declarations for women and children, Universal Declaration of Human Rights.

Human Rights in India – Fundamental rights and Indian Constitution, Rights for children and women, Scheduled Castes, Scheduled Tribes, Other Backward Castes and Minorities

Unit-3 Human Rights and environmental rights - Right to Clean Environment and Public Safety: Issues of Industrial Pollution, Prevention, Rehabilitation and Safety Aspect of New Technologies such as Chemical and Nuclear Technologies, Issues of Waste Disposal, Protection of Environment

Conservation of natural resources and human rights: Reports, Case studies and policy formulation. Conservation issues of western ghats- mention Gadgil committee repoirt, Kasthurirengan report. Over exploitation of ground water resources, marine fisheries, sand miningetc. (12Hrs)

Reference

- 1. Agarwal, K.C 2001 Environmental Biology, Nidi Publ. Ltd, Bikaner.
- Bharucha Erach, Text Book of Environmental Studies for undergraduate Courses.
 University Press, IInd Edition 2013 (TB)
- 3. Brunner.R.C., 1989, Hazardous Waste Incineration, McGraw Hill Inc.480p
- 4. Clark.R.S., Marine Pollution, Clanderson Press Oxford (TB)
- 5. Cunningham, W.P.Cooper, T.H.Gorhani, E & Hepworth, M.T.2001. Environmental Encyclopedia, Jaico Publ. House. Mumbai. 1196p
- 6. Dc A.K.Enviornmental Chemistry, Wiley Eastern Ltd.
- 7. Down to Earth, Centre for Science and Environment (R)
- 8. Gleick, 11.P.1993 Water in crisis, Pacific Institute for Studies in Dev. Environment & Security. Stockholm Environment Institute Oxford University Press 473p

Revised syllabi of UG Programme in Economics w.e.f 2017 admissions

- 9. Hawkins R.E, Encyclopedia of Indian Natural History, Bombay Natural History Society, Bombay (R)
- Heywood, V.H & Watson, R.T. 1995. Global Biodiversity Assessment, Cambridge University Press 1140p
- Jadhav.H & Bhosale.V.M. 1995. Environmental Protection and Laws. Himalaya Pub. House, Delhi 284p
- 12. Mekinney, M.L & Schock.R.M. 1996 Environmental Science Systems & Solutions. Web enhanced edition 639p
- 13. Mhaskar A.K., Matier Hazardous, Techno-Science Publications (TB)
- 14. Miller T.G. Jr., Environmental Science, Wadsworth Publishing Co. (TB)
- 15. Odum.E.P 1971. Fundamentals of Ecology. W.B. Saunders Co. USA 574p
- Rao.M.N & Datta.A.K. 1987 Waste Water treatment Oxford & IBII Publication Co.Pvt.Ltd.345p
- 17. Sharma B.K., 2001. Environmental Chemistry. Geol Publ. House, Meerut
- 18. Survey of the Environment, The Hindu (M)
- Townsend C., Harper J, and Michael Begon, Essentials of Ecology, Blackwell Science (TB) XI
- 20. Trivedi R.K., Handbook of Environmental Laws, Rules Guidelines, Compliances and Stadards, Vol I and II, Enviro Media (R)
- 21. u) Trivedi R. K. and P.K. Goel, Introduction to air pollution, Techno-Science Publication (TB)
- Wanger K.D., 1998 Environmental Management. W.B. Saunders Co. Philadelphia, USA 499p
- 23. (M) Magazine (R) Reference (TB) Textbook
- 24 Rabindra N Bhattacharya. (2007). Environmental Economis an Indian Perspective. Oxford University Press.
- 25 Charls D. Kolstad. (2007). Environmental Economics. New Delhi: OUP.
- 26 Ramaprasad Senguptha. (2009). Ecology and Economics. New Delhi: OUP.
- 27 Janet Thomas. (2009). Environmental Economics. New Delhi: Cenage Learning.
- 28 S.P. Mirsa, S.N. Pandey (2008). Essential Environmental Studies. New Delhi: Ane Books.
- 29 Katar Singh and Shishodia. (2007) Environmental Economics- Theory and application. New Delhi: Sage publication.
- 30 Tom Tietenberg. (2004). Environmental and Natural Resource Economics. Pearson Education.
- 31 Karpagam . M. (2008). Environmental Economics. New Delhi: Sterling Publishers.

CA5CRT15 - IT & Environment (Core)

Theory:4 hrs. per week

Credits:4

Unit 1: (18 hrs.) Multidisciplinary nature of environmental studies: Definition, scope and importance, Need for public

awareness. (2 hrs)

Natural Resources: Renewable and non-renewable resources: Natural resources and associated problems. a) Forest resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forest and tribal people. b) Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems. c) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies. d) Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies. e) Energy resources: Growing energy needs, renewable and non renewable energy sources, use of alternate energy sources, Case studies. f) Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification. Role of individual in conservation of natural resources. Equitable use of resources for sustainable life styles. (10hrs)

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 given ecosystem:- Forest ecosystem

(6 hrs)

Unit 2: (26 hrs) **Biodiversity and its conservation:** Introduction, Biogeograhical classification of India, Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values., 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

8

hrs) Environmental Pollution :Definition, Causes, 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 management: floods, earthquake, cyclone and landslides. (8 hrs)

Social Issues and the Environment : 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, 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. (10hrs.)

Internet as a knowledge repository, academic search techniques, creating cyber presence. Academic websites, open access initiatives, opens access publishing models, Introduction to use of IT in teaching and learning -Educational software, Academic services—INFLIBNET, NPTEL, NICNET, BRNET. (10hrs)

Unit 4: (10 hrs.) IT & Society- issues and concerns- digital divide, IT & development, the free software movement, IT industry: new opportunities and new threats, software piracy, cyber ethics, cyber crime, cyber threats, cyber security, privacy issues, cyber laws, cyber addictions, information overload, health issuesguide lines for proper usage of computers, internet and mobile phones. e-wastes and green computing, impact of IT on language & culture-localization issues- Unicode- IT and regional languages, Green Computing Concept. (**10hrs**)

Unit 5: (8 hrs.) **Human Rights**– An Introduction to Human Rights, Meaning, concept and development, Three Generations of Human Rights (Civil and Political Rights; Economic, Social and Cultural Rights).

Human Rights and United Nations – contributions, main human rights related organs - UNESCO, UNICEF, WHO, ILO, Declarations for women and children, Universal Declaration of Human Rights. **Human Rights in India** – Fundamental rights and Indian Constitution, Rights for children and women, Scheduled Castes, Scheduled Tribes, Other Backward Castes and Minorities

Environment and Human Rights - Right to Clean Environment and Public Safety: Issues of Industrial Pollution, Prevention, Rehabilitation and Safety Aspect of New Technologies such as Chemical and Nuclear Technologies, Issues of Waste Disposal, Protection of Environment Conservation of natural resources and human rights: Reports, Case studies and policy formulation. Conservation issues of western ghats- mention Gadgil committee report, Kasthurirengan report. Over exploitation of ground water resources, marine fisheries, sand mining etc. (8 Hrs)

Internal: Field study

- Visit to a local area to document environmental grassland/ hill /mountain
- Visit a local polluted site Urban/Rural/Industrial/Agricultural Study of common plants, insects, birds etc
- Study of simple ecosystem-pond, river, hill slopes, etc (Field work Equal to 5 lecture hours)

References:

- 1. —Technology in Action Alan Evans, Kendall Martin, Mary Anne Poatsy, Pearson
- 2. Bharucha Erach, Text Book of Environmental Studies for undergraduate Courses. University Press, IInd Edition 2013 (TB)
- 3. Clark.R.S., Marine Pollution, Clanderson Press Oxford (Ref)
- 4. Cunningham, W.P.Cooper, T.H.Gorhani, E & Hepworth, M.T.2001 Environmental Encyclopedia, Jaico Publ. House. Mumbai. 1196p.(Ref)
- 5. Dc A.K.Enviornmental Chemistry, Wiley Eastern Ltd.(Ref)
- 6. Down to Earth, Centre for Science and Environment (Ref)
- 7. Heywood, V.H & Watson, R.T. 1995. Global Biodiversity Assessment, Cambridge University Press 1140pb (Ref)

Core course BT 8 Code: BOBT4CRT08 **Semester IV** PLANT BIOTECHNOLOGY

(Theory 54 Hours; Practical 36 Hours; Credits 3 + 1)

Objectives:

- To familiarize with the tools and techniques of plant biotechnology
- Aware of the life forms and activities that can be exploited for human advancement.
- To impart an introductory knowledge about the potential of plant transgenics
- To discuss about various aspects of biosafety regulations, IPR and bioethic concerns arising from the commercialization of biotech products

Module 1: Introduction to plant tissue culture (10 hrs)

Introduction – The concept of biotechnology, landmarks in biotechnology: Plant tissue culture – Principles and techniques. Cellular totipotency, in vitro differentiation; dedifferentiation and redifferentiation, callus induction organogenesis and somatic embryogenesis. Tissue culture medium - Basic components in tissue culture medium - Solid and liquid medium - suspension culture -Murashige and Skoog medium - composition and preparation, Aseptic techniques in tissue culture sterilization – different methods – sterilization of instruments and glass wares, medium, explants, Working principle of laminar air flow and autoclave; preparation of explants – surface sterilization, inoculation and incubation, sub culturing, Establishment of axenic explants, callus initiation and multiplication, production of suspension culture, cell.

Module 2: Micropropagation (10 hrs)

Micropropagation - advantages and disadvantages, different methods - axillary bud proliferation, direct and indirect organogenesis and somatic embryogenesis, different phases of micropropagation hardening, transplantation and field evaluation. Applications of tissue culture: Micropropagation of elite plants, Synthetic seed production, Meristem culture for virus free plants, Somaclonal variation and in vitro mutagenesis, Embryo rescue - embryo culture, Protoplast isolation culture and regeneration, Somatic cell hybridization, In vitro secondary metabolite production — cell immobilization, bio reactors, hairy root culture, In vitro production of haploids – anther and pollen culture, Cryopreservation, in vitro fertilization

Module 3: Plant transformation (20 hrs)

Methods of plant transformation; Gene cloning, genetic engineering: vectors and methods of transformation - electroporation, particle bombardment, Agrobacterium mediated, different types of Agrobacterium based vectors; Vectors for plant transformation; Target traits and transgenic crops; Genetic and molecular analyses of transgenics; Role of molecular markers in characterization of transgenic crops, fingerprinting of cultivars, Achievements, problems and future thrusts in horticultural biotechnology.

Biotechnology and floriculture, molecular approaches to control ethylene response, improving shelf life, improving resistance for environmental stress, approaches to improve flower development, pigment production. Achievements of bio-technology in flower crops: Extraction of biocolours, uses in food and textile industries. Examples of transgenic plants produced successfully, Bt crops, golden rice, Flavr Savr Tomato, virus and herbicide resistant crops, edible vaccines. Biosafety issues, regulatory procedures for commercial approval.

Module 3: Concerns over modern plant biotechnology (14 hrs)

Biosafety and risk assessment issues; Regulatory framework; National biosafety policies and law, The Cartagena protocol on biosafety, WTO and other international agreements related to biosafety, Cross border movement of germplasm; Risk management issues - containment.

General principles for the laboratory and environmental biosafety; Health aspects; toxicology, allergenicity, antibiotic resistance, Sources of gene escape, tolerance of target organisms, creation of superweeds/superviruses, etc.

Ecological aspects of GMOs and impact on biodiversity; Monitoring strategies, Radiation safety and nonradio isotopic procedures; Benefits of transgenics to human health, society and the environment. Intellectual properties, copyrights, trademarks, trade secrets, patents, geographical indications, etc; Protection of plant variety and farmers right act; Indian patent act and amendments, patent filing; Convention on biological diversity; Implications of intellectual property rights on the commercialization of biotechnology products.

PRACTICAL (36 hrs)

- 1. Preparation of nutrient medium Murashige and Skoog medium, sterilization, preparation of explants, inoculation.
- 2. Establishment callus culture, shoot and suspension
- 3. Immobilization of whole cells or tissues in sodium alginate.
- 4. Establishment of the suspension culture of one medicinal plant
- 5. Production of somatic embryos from one plant
- 6. Transformation of leaf discs using Agrobacterium and selection of transmormed leaf discs
- 7. Induction of hairy root culture in any one plant
- 8. Visit a well equipped biotechnology lab and submit a report along with the practical record.

REFERENCES

- 1. Keshavachandran R & Peter KV. 2008. Plant Biotechnology: Methods in Tissue Culture and Gene Transfer. Orient & Longman (Universal Press)
- 2. Debnath M. 2005. Tools and Techniques of Biotechnology. Pointer Publ.
- 3. Brown T A. 2001. Gene Cloning and DNA Analysis and Introduction. Blackwell Publ.
- 4. Chadha K L, Ravindran PN & Sahijram L. (Eds.). 2000. Biotechnology of Horticulture and Plantation Crops. Malhotra Publ. House.
- 5. Singh BD. 2007. Biotechnology: Expanding Horizon. Kalyani.

SEMESTER III

Papers	Subjects
BS030301	Genetic Engineering, Bioethics & IPR
BS030302	Trangenics- Animals and plants.
BS030303	Genomics & Proteomics.
BS860301	Elective paper-1, Concepts and Methods of Research
BS030304	PCR technology, Bioinformatics, Animal Cell & Tissue culture techniques -
	Practical-III

Course name: BS030301: Genetic Engineering, bioethics & IPR

Total Credits: 5

Total Hours : 90 Hrs.

1. Objectives of the Course:

In the third generation of Biotechnology, the discipline can be defined as to improve the biological function of an organism by adding genes from another organism. The concept of this science is based on the term 'Transgene'. Transgene is the genetically engineered gene added to a species and the organism containing a 'transgenic'. Based on the need, Microbes, plants, and animals are the faithful hosts as 'transgenic' for maintaining the functionality of 'transgene' in the system. Within the wide array of applications of transgenic production of pharmaceutical products, therapeutics, crops of rich nutritional quality, disease diagonosis, gene therapy, production of vaccines and MAPS, industrial enzymes and biofuels are the exciting areas of research today.

2. Course content:

Unit 1:- (18 Hrs)

Molecular biology- History, Scope and definition. Genetic engineering- Introduction and prospects in Post genomic era. Transgenic technology in India. How to clone a gene-Fundamental techniques of gene manipulation, Overview of the procedure, Gene library, Hybridization, Molecular cloning, Construction of DNA library, Library screening, Expression libraries, Restriction mapping, RFLP, DNA sequencing. Vectors- Plasmid vectors, Vectors based on the lambda Bacteriophage, Cosmids, Phasmids, M13 vectors,

Expression vectors, vectors for cloning and expression in Eukaryotic cells, Super Vectors, YACs, BACs, PAC & MAC. Promoters- ubiquitous & tissue specific, Signal peptide sequences. Cutting and joining DNA- Restriction endonucleases, Ligation, Alkaline phosphate, double digest, Modification of restriction fragment ends, Other ways of joining DNA molecules.

Unit 2:- (30 Hrs)

cDNA synthesis, RT PCR- PCR assay and Cell based DNA cloning:- The importance of DNA cloning, PCR Primers, Basic features and applications, Gradiant, Nested, Touch down, Hot start. Principles of cell based DNA cloning, Gene cloning strategies, Cloning system for amplifying different sized fragments, cloning system for producing single stranded and mutagenised DNA. Nucleic acid hybridization- preparation of nucleic acid probes, Principle of nucleic acid hybridization, Nucleic acid hybridization assays, DDRT and microarrays. Gene recombination and gene transfer- Bacterial conjugation, Transformation, Transduction, Episomes, Plasmids, Microinjection, Electroporation, Microprojectile, Shot gun method, Ultra sonication, Liposome fusion, Microlaser. Changing genes: Site directed mutagenesis and protein engineering- PCR based site directed mutagenesis, random mutagenesis, Use of Phage display techniques to facilitate in the selection of mutant peptides, Gene Shuffling, Production of chimeric proteins. Tools for analyzing gene expression-Northern Blot, in situ hybridization, RNase protection assay, RT-PCR, Real Time PCR, Western blot, in situ analysis, ELISA, Genetic engineering in Microbes- Cloning in *E.coli* and other bacteria

Unit 3:- (15 Hrs)

Introduction- General Introduction, Patent claims, Legal decision making process, Ownership of intellectual property Basic requirements of patentability- Patentable subject matter, Novelty and the public domain. Special issue in biotechnology patents- Disclosure requirements, Collaborative research, Competitive research, foreign patents. Patent litigation-Substantive aspects of patent litigation, Procedural aspects of patent litigation and recent developments in patent systems and patentability of biotechnological inventions. TRIPS and Patent Law- Patenting life, Patenting of genes and DNA sequences, Microbial piracy. Patenting of GMO, Transgenic crops, Marketing Strategies

UNIT 4: (12 Hrs)

Ethics and Bioethics: Benefit and Harm: Social Responsibility and Role of Media: Protecting Future Generations and Protection of the Environment. Biosafety aspects and Level of Risk Assessment- DBT at statuary. State level interventions, - Biodiversity board: Guidelines for Gene manipulation studies in India and at international level: GLP, GMP.

UNIT 5: (15 Hrs)

Gene silencing - Post transcriptional and transcriptional gene silencing, Mutants of gene silencing, RNA virus in plants, Virus induced gene silencing and its application. Genetic engineering and Public concerns- Ethical and environmental concerns on genetic engineering of plants.Plant genetic engineering future- Genetically engineered Food products, its safety, Labeling and regulatory challenges. 'Pharm' factories of the future, gene editing-CRISPR.

3. Recommended Text Books

- 1. Molecular cell biology by Harvey Lodish, Published by W. H. Freeman and company
- 2. Molecular biology of the gene by James.D .Watson, Published by Pearson education
- 3. Cell and Molecular biology by E.D.P. De Robertis, Published by Lippincutt William and wilkins
- 4. Molecular Biotechnology: Principles and applications 3rd ed by R Bernad Glick, Published by ASM press, Washington
- 5. Patents for chemicals, pharmaceuticals and biotechnology by Philip. W. Grubb
- 6. Good laboratory practice by Jurg. P. Seiler
- 7. The Role of Intellectual Property Rights in Biotechnology Innovation. David Castle, 1st Edition.

4. Recommended References

- 1. Fundamental molecular biology by Lizabelth. A. Allison, Published by Blackwell publishers
- 2. PCR Applications protocols for functional genomics 1st ed, By Michael A Innis, David H Gelfand & John J Sninsky, Published by Academic press
- 3. Molecular cloning: A Laboratory Manual Vol.I 3rd ed,by Joseph Sambrook & David W Russell Published by CSHL press,2000
- 4. Global Intellectual Property Rights: Knowledge, Access and Development. Peter Drahos and Ruth Mayne, 1st Edition.
- 5. Encyclopaedia of Intellectual Property Rights Volume I, II & III. Prabhas Chandra Sinha

- 3. Akhileshwar Pathak Legal Aspects of Business Tata McGraw Hill
- 4. Kuchchal M.C. Business Law Vikas Publishing House, New Delhi
- 5. Gulshan S.S. & Kapoor G.K. Business Law Including Company Law New Age International (P) Ltd.
- 6. B,S, Moshal Mercantile Law Ane Books, India

	Learning Outcomes				
1.	The participants will be able to understand framework of law applicable to				
	business				
2.	The participants will get insights into provisions of business law				
3.	At the end of this course, the participants will be aware of legal requirements for				
	the pursuing a business				

		Umaruladaa	
		Knowledge	No. of Credits
MB01010	7 ENVIRONMENT MANAGEMENT	S1 Basic	Core Course 4
	Course Obj	ective	
1.	To familiarize the participants framewo	rk of Natural Environme	nt and Importance
	of Protection of Natural Resources		
2.	To make the participants aware about p		
3.	To sensitize the participants about Busi	ness Environment frame	
Module	Title &Contents		No. of Sessions
No.			LT (Indicative)
1.	INTRODUCTION TO ENVIRONMENT & EC	CO SYSTEM	
	1.1 Components of Environment		
	1.2 Eco System – Biotic & Abiotic Compone		
	1.3 Bio Diversity – Principles – Bio Diversit		2 + 1
	1.4 Natural Resources – Depletion of Natur		
	1.5 Energy Sources – Conventional & R	0	
_	Carbon Energy		
2.	IMPACT OF INDUSTRY AND BUSINESSPO	OLLUTION	
	SUSTAINABLE DEVELOPMENT		,
	2.1 Environmental Degradation – Industr	ral Pollution – Types and	1
	Impact		4 . 2
	2.2 Managing Industrial Pollution – Electro	_	4 + 2
	2.3 Waste Management – Developing Recycles		
	2.4 Sustainable Development – Guid Environment Impact Assessment – ISO		-
	2.5 Eco-friendly Manufacturing & Packagin		
3.	MACRO ECONOMIC ENVIRONMENT		
ა.	3.1 National Income – Its Significance –	Measurement of Nationa	1
	Income	ricasarcinent or ivations	1
	3.2 An Overview of Fiscal Policy & Monetan	cy Policy in India	6 + 3
	3.3 Inflation in India – Its Implication on Bu		
	3.4 Trade & Business Cycle – Recessionary		,

	3.5 Balance of Trade & Balance of Payments – Disequilibrium in BOP	
	– Corrective Measures	
	3.6 Analysis of Economic Survey in India – Union Budget & Kerala	
	Budget – Implications on Business	
4.	POLITICAL LEGAL ENVIRONMENT	
	4.1 Role of Government in Business Environment – Economic	
	Roles – Role of FDI in Indian economy	
	4.2 The Rationale of Public Private Partnership (PPP) in	3+3
	Sustainable Development - The Build Operate Transfer (BOT)	
	Model	
	4.3 Impact of	
	Globalisation, Privatisation on Small Business	
5.	5.1 Discussion on Impact of Privatisation in Basic Sectors and Natural	
	Resources – Water, Electricity, Telecommunications, and Transport	
	(Roads & Highways, Railways)	3 + 3
	5.2 Globalization of Indian Business and Firms – Coping with Global	
	Competition	
	5.3 Industrial Development – Rural & Urban Dynamics	

- 1. Pandey G.N. –Environmental Management Vikas Publishing House
- 2. Bala Krishnamurthy Environmental Management: Text and Cases, PHI
- 3. Kaushik & Anubha Environmental Studies, New Age International
- 4. N.K. Uberoi Environmental Management Excel Books
- 5. Michael V. Russo Environmental Management: Readings & Cases Sage Publications
- 6. John Steiner & George Steiner Business Government & Society: A Managerial Perspective Tata McGraw Hill
- 7. Douglas E. Gheer Business Government & Society Prentice Hall 3rd Edition
- 8. David P. Business and its Environment -International Edition

	Learning Outcomes			
1.	The participants will be able to understand the need for protection of natural environment			
2.	The participants will get basic insights into the problem of pollution and waste			
	management			
3.	At the end of this course, the participants will get an overview of the business environment			
	prevailing in the country			

- 1. Chetan Bajaj, Rajnish Thuli, Nidhi Varma Srivastava Retail Management Oxford Publishing, India
- 2. Michael Levy, Barton Weitz, Retail Management, McGraw Hill
- 3. Barman, Evans & Mathur Retail Management- A Strategic Approach, Pearson Publications
- 4. David Gilbert Retailing Management Pearson Education
- 5. K.V.S. Madaan Fundamentals of Retailing Tata McGraw Hill
- 6. Berman B., Evans J.R. –Retail Management Pearson Education
- 7. Newman A.J. & Kullen P. Retailing: Environment & Operations Vikas Publishing

	LEARNING OUTCOMES				
1.	1. At the end of this Course, the Participants will get basic insights into the Nuances of				
	Retailing, its Concepts and Framework				
2.	The Participants will understand the Managerial aspects of Retail function				
3.	The Participants will also get basic knowledge about Store design, Layout and				
	Merchandising				

		Course Title	Semester &Level of Knowledge	Type Credi	of Course& No. of ts
		SERVICES MARKETING	Š		tive Course 3
			Course Objective	L	
1.	Тор	rovide key insights and wor	king knowledge to participa	nts in marke	ting of services
2.	Тор	rovide the conceptual frame	e of services marketing		
3.	To d	iscuss marketing practices i	n key service industries		
Module No.	Title	e & Contents			No. of Sessions LT (Indicative)
1.	 UNDERSTANDING SERVICES 1.1 Services Marketing – Characteristics – Tangibility Spectrum 1.2 Classification of Services 1.3 Services – Contribution to GDP – Generation of Jobs – Competitive Advantage 1.4 Services – Distinct Marketing Challenges 				3 + 2
2.	BUYER BEHAVIOUR & SELECTING SERVICE MARKETS 2.1 Three Stage Model of Service Consumption – Pre-Purchase Stage, Service Encounter Stage, Post-Encounter Stage 2.2 Customer Expectations & Zone of Tolerance – Determinants of Customer Expectations 2.3 Customer Driven Services Marketing Strategies – Customer, Competitor, and Company Analysis 2.4 Managing Demand & Capacity 2.5 Segmentation Targeting & Positioning (STP) in Services			3+3	
3.	ELE	ELEMENTS OF SERVICES MARKETING MIX 3.1 Inadequacy of 4Ps – Extended Services Marketing Mix			

	3.2 Creating Service Products - The Flower of Service - Service	
	Product Development – Role of Customer in Value Creation	
	3.3 Branding of Services – New Service Development – Hierarchy of	4 + 2
	New Service Categories	
	3.4 Distributing Services through Physical & Electronic Channels	
	3.5 Pricing of Services – Cost, Value & Competition Based Pricing	
	3.6 Service Marketing Communications - Process - Services	
	Marketing Communication Mix	
4.	SERVICES MARKETING MIX AND SERVICE QUALITY	
	4.1 Process in Services – Service Blueprint	
	4.2 Crafting Service Environment - The Servicescape Model -	
	Dimensions of Service Environment	4 + 2
	4.3 Managing People for Service Advantage – Cycle of Failure,	
	Mediocrity & Success	
	4.4 Developing Customer Relationships – Wheel of Loyalty – Service	
	Recovery	
	4.5 Service Quality – Measuring Service Quality – GAPS Model –	
	SERVQUAL Model – Measuring & Improving Service Productivity	
5.	APPLICATION OF SERVICES MARKETING FRAME TO SERVICE	
	INDUSTRIES	
	5.1 Marketing of Tourism, Travel & Transportation Services	
	5.2 Marketing of Financial Services – Banking, Insurance, Mutual	
	Funds	
	5.3 Communication & Information Services – Telecom, Postal,	
	Courier, Cable TV Services	
	5.4 Marketing of Professional Services – Healthcare, Consultancy, IT,	5 + 2
	Promotion	
	5.5 Marketing of Educational Services – Charity & Social Services	
	Marketing	
	(The Application of services marketing theoretical frame is intended	
	in this Module. Fieldwork and other Group Activities are strongly	
	recommended for continual evaluation)	
·		· · · · · · · · · · · · · · · · · · ·

- 1. Christopher Lovelock, Jochen Wirtz, Jayanta Chatterjee *Services Marketing: People Technology Strategy* Pearson 8e
- 2. Harsh V. Varma Services Marketing Text & Cases 2nd Ed. Pearson
- 3. Marie J. Bitner, Valarie A. Zeithaml Services Marketing Tata McGraw Hill
- 4. Helen Woodruffe Services Marketing MacMillan
- 5. Adrian Payne The Essence of Services Marketing Prentice Hall India
- 6. Ravi Shankar Services Marketing: The Indian Perspective Excel Books, New Delhi
- 7. Govind Apte *Services Marketing* Oxford University Press
- 8. Rampal M.K. & Gupta S.L. Services Marketing Galgotia Publications, New Delhi
- 9. Journal of Services Marketing ISSN 0887-6045 Emerald Publishing
- 10. Baron S & Harrisk Services Marketing: Text and Cases- Palgrave

LEARNING OUTCOMES		
1.	Acquiring skills to manage service operations	
2.	Ability to measure employee performance in service organisations	

Course Code	Course Titl	2	Semester & Level of Knowledge	Level of Knowledg	Type of Course
MB83 03/0406		AL SAFETY & IONAL HEALTH	S4 Working	Working	
		Course	Objective	1	
1.	To provide the Occupational	e students a basic underst Health.	anding of Industrial	safety, Hyg	iene and
2.	Occupational	nceptual knowledge to the health that would enable better place for all employ	them to appreciate a		
3.	•	xecute productivity impro provement in safety	ovement initiatives th	rough redu	ction in human
Module No.	Title & Conte	No. of Sessions LTP			
1	THE IMPO	RTANCE OF SAFETY A	ΓWORK		3 + 2
	1.1 Under				
	Safety-Applicable areas- Recognition,				
	1.2 evaluation and control of physical hazards- Hazard Analysis,				
	Humar	Error and Fault Tree Analy	ysis		
	1.3 Emerg	ency Response-Hazards and	d their control in diffe	erent	
	manufacturing and processing industries.				
2	INDUSTRIAI	ACCIDENTS			4 + 2
	2.1 Industrial Accidents: Causes and effects of Industrial accidents-Impact				
	of accidents on employees, union,				
	2.2 Management and society- Organization's Role and Responsibility				
	in the l	Prevention of Accidents- Di	fferent models.		
3	STANDARD	OF SAFETY NORMS			4 + 3
	3.1 Standard of Safety Norms-Indian scenario Safety Protection,				
	Safet				

	in health and safety,	
	3.2 Functions of National Safety Council, Concept of health and	
	occupational health,	
	3.3 Spectrum of health, Occupational and work related diseases,	
	Levels of prevention,	
	3.4 History of occupational health, Characteristics of occupational	
	diseases, Essentials of occupational health service, personal	
	protective equipment (respiratory and nonrespiratory)	
4	CONCEPT OF WORKPLACE AND ITS DESIGN	
	4.1 Concept of workplace and its design, Improving safety and	4 + 2
	productivity through work place design control measures,	
	Technical and engineering control measures.	
	4.2 Control measures against human error, Preventive maintenance. Role	
	of Preventive maintenance in safety and health, Safety and good	
	housekeeping, Typical accidents due to poor housekeeping, Clean-	
	up campaigns, Inspections and check-list	
	4.3 Result of good housekeeping, Plant safety observation, Plant	
	Safety Inspections, Safety sampling, Safety Surveys, Safety	
	Inventory System, Product Safety, Permit to work systems, Safety	
	tag systems.	
5	ACCIDENTS IN WORK PLACE	2 + 1
	5.1 Accidents in work place-Types, Investigation methods, Analysis,	
	Reporting and Recording,	
	5.2 Injuries - First aids- Health problems in different types of industries	
	– construction,	
	5.3 Textile, steel, food processing and pharmaceutical, Fire- Causes,	
	Types of fire, Extinction of fire, Prevention of fire.	

- 1. Dr. Naseer Elahi, Industrial Safety Management, Gyan Publication, New Delhi
- 2. L.M. Deshmukh, Industrial Safety Management, Tata McGraw Hill.
- 3. R.K.Trivedi, Pollution Management in Industies, S Chand Publishing, New Delhi.

LEARNING OUTCOMES		
1.	Ability to appreciate and motivate employees to make the work place a better one	

1.	Ability to evaluate the success of Marketing initiatives.	
2.	Ability to develop marketing strategies with the support of analytics	

Course C	ode Course Title		Semester &Level of	Type of Course&	
			Knowledge	No. of Credits	
MB81 03/0408	CONSUMER BEI	HAVIOUR	S4Working	Elective Course 3	
03/0400		Course	e Objective		
1.	To Sensitize the Part		the Role and Importance of C	onsumer Rehaviour	
4.	in Marketing Process				
2.	To study the Impact of	of Environment	tal and Individual Influences	on Buyer Behaviour	
3.	To Discuss about Con	sumer Behavio	our in Indian Context		
Module No.	Title &Contents			No. of Sessions LT (Indicative)	
1.	UNDERSTANDING CO				
	1.1Relevance of Consu	mer Behaviour i	in Marketing Decisions		
	1.2 Discussion on Fac	tors Determinin	g Consumer Buying Decision	-	
	Illustrations			3 + 4	
	1.3 Consumer Buying				
	1.4 Buyer Decision Roles – Levels of Consumer Decision Making				
			ard Sheth Model – Engel. Kolla		
	& Blackwell Model – Hedonic Consumption Model for Aesthetic			c	
	Products				
2.	INDIVIDUAL DETERMINANTS OF CONSUMER BEHAVIOUR				
	_	-	e in Purchase Decisions		
		-	Modern Trends in Lifestyles o		
	Consumer – Indian Scenario			3 + 3	
	2.3 Role of Memory, Learning, and Perception in Consumer Behaviour			r	
	2.4 Motivation and Consumer behaviour				
	2.5 Attitudes & Beliefs				
3.	SOCIOLOGICAL INFLUENCES ON CONSUMER BEHAVIOUR 3.1 Culture & Sub-Culture – Its Impact on Consumer Behaviour				
		•		4 . 2	
			Marketers based on Culture in	1 4 + 3	
	India – Case Studie 3.3 Social Class and its		oncumor Dohavious		
4.			nging Indian Consumer		
т.	GROUP INFLUENCES ON CONSUMER BEHAVIOUR 4.1 Reference Groups & Its impact on Consumer Behaviour				
			ors Affecting Group Influence	4 + 2	
		-	Decisions - Role of Family is		
	Buyer Behaviour –	_	·	1	
5.	CONSUMER RIGHTS &				
٥.					
	5.1 Consumerism – Concept & Evolution 5.2 Consumer Rights in India			3 + 1	
	5.3 Recent Trends in Consumer Rights Protection				
		_	nd Socio-Economic Behaviour		

5.5 Living Standard Measures (LSM)	
5.6 Characteristics of Bop Consumers in India	

- 1. Schiffman Leon. and Kanuk Leslie Lasar. Consumer Behaviour Pearson Education, New Delhi.
- 2. Ramanuj Majumdar, Consumer Behaviour, Prentice Hall of India, New Delhi, 2011
- 3. Jay D. Lindquist, M. Joseph Sirgy (2009), Consumer Behaviour, Latest Indian Edition, Cengage Learning
- 4. Henry Assael Consumer Behaviour and Marketing Action Kent Publishing Company
- 5. Berkman & Gilson Consumer Behaviour: Concepts & Strategies Kent Publishing Company
- 6. Hawkins, Best and Coney Consumer Behaviour Tata McGraw Hill
- 7. Suja R. Nair Consumer Behaviour in Indian Perspective Himalaya Publishing House, New Delhi
- 8. Solomon, Michael R., Consumer Behaviour Buying, Having and Being Pearson Education, New Delhi
- 9. Batra, Kazmi Consumer Behaviour Excel Books
- 10. S.L. Gupta, Sumithra Pal Consumer Behaviour: An Indian Perspective Sultan Chand & Sons
- 11. Wikipedia Hedonic Consumption Model

Learning Outcomes			
1.	. The Participants will understand the Relevance of Consumer Behaviour in Marketing		
2.	The Participants will have conceptual and practical knowledge on Factors affecting Buyer Behaviour		
3.	The Students may understand Indian Scenario on Consumer Behaviour and its Trends		

Course C	ode	Course Title	Semester &Level of	Type of Course&
			Knowledge	No. of Credits
MB81		AGRICULTURE BUSINESS AND	S4Working	Elective Course 3
03/0409		RURAL MARKETING		
Course Objective				
1.	To make the Participants understand Agriculture and Rural Marketing System			
2.	To discuss Agricultural and Rural Marketing Strategies			
3.	To sensitize the Participants about emerging Rural Markets with Agricultural			
	Marketing Potential			
				No. of Sessions
Module	Title	&Contents		LT (Indicative)
No.				



SCMS SCHOOL OF TECHNOLOGY AND MANAGEMENT

SCMS Campus, Prathap Nagar, Muttom, Aluva, COCHIN- 683 106. KERALA

Activities conducted relevant to Gender Human Values Professional Ethics Environment and sustainability

2021-22



SCMS SCHOOL OF TECHNOLOGY AND MANAGEMENT, MUTTOM

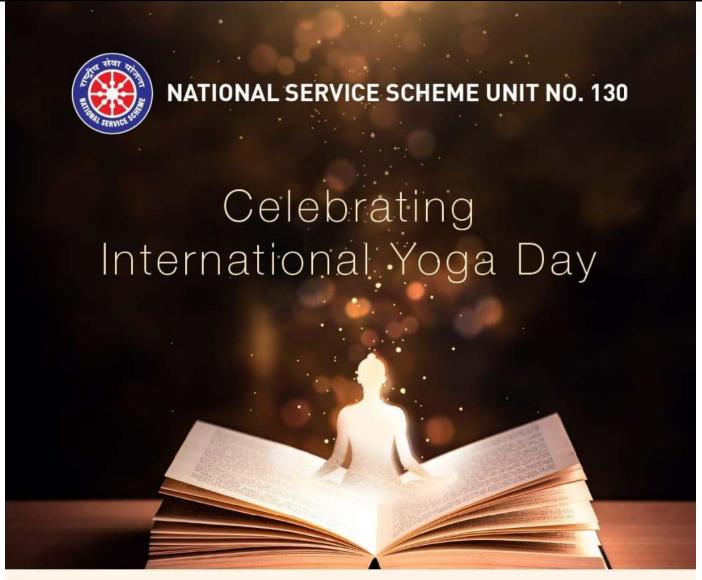
NATIONAL SERVICE SCHEME UNIT NO.: 130

Name of activity / programme	HUG A TREE CAMPAIGN
Date of activity/ programme	5 th June 2021
Time	
Place	Online
Chief Guest	Dr. G Sashikumar, Principal
No. of Participants	100





Name of activity / programme	International Yoga Day
Date of activity/ programme	21st June 2021
Time	7 am - 8 am
Place	Online
Chief Guest	Dr. G Sashikumar, Principal
No. of Participants	50





SCMS, Campus: Prathap Nagar, Muttom, Aluva, Cochin - 683106. Tel: 0484 2628000, www.scmsgroup.org/sstm

2 (CO13 100) 100 (CO13) 100 (CO13

Name of activity / programme	Reading Weak Celebration
Date of activity/ programme	23 rd June 2021
Time	11am – 12.30 pm
Place	Online - ZOOM
Chief Guest	Dr. Molly Joseph, Writer, Rtd. Professor
No. of Participants	150



Reading Weak Celebration on 23rd June 2021



Name of activity / programme	Drug Free India - Webinar
Date of activity/ programme	8 th July2021
Time	2pm – 3.30pm
Place	Online - ZOOM
Chief Guest	Adv. V K Hema
No. of Participants	150

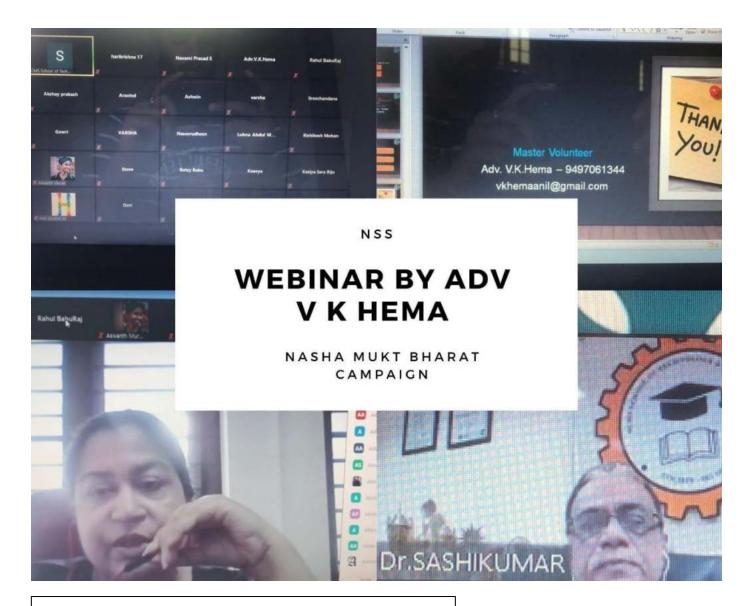




For more information: Call: 97479 04720 E: nss130@scmsgroup.org







Drug Free India - Webinar on 8th July 2021

Name of activity / programme	International Youth Day – Online Quiz
Date of activity/ programme	17 th August 2021
Time	7.00 pm
Place	Online
Chief Guest	Dr. G Sashi Kumar
No. of Participants	150











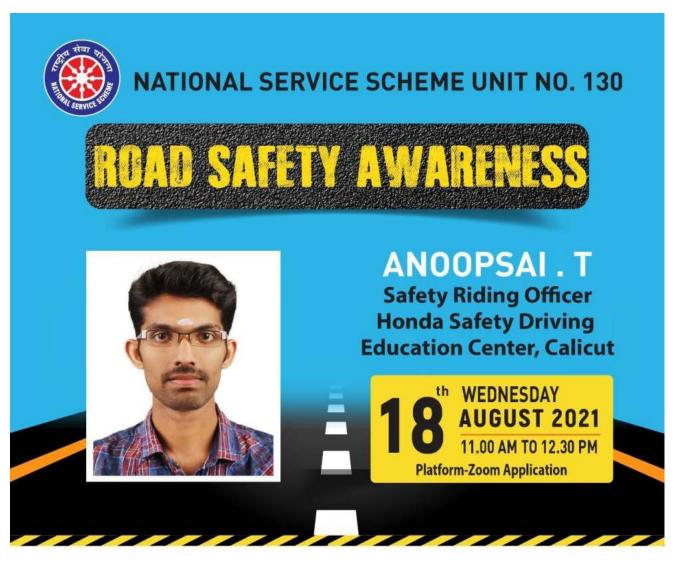
RED RIBBON CLUB AND NATIONAL SERVICE SCHEME



Registration Link: https://giveit.link/OnlineQuizCompetition



Name of activity / programme	Road Safety Awareness programme
Date of activity/ programme	18 th August 2021
Time	11 am – 12.30 pm
71	0.11 70016
Place	Online - ZOOM
Chief Guest	Sri. Anoop Sai (Road Safety Trainer, Honda)
No. of Participants	150









Name of activity / programme	International day of older persons
Date of activity/ programme	1 st October 2021
Time	Nil
Place	Online
Chief Guest	Dr. G Sashikumar
No. of Participants	50



International day of older persons - 1st October 2021



Name of activity / programme	Flood Relief Collection
Date of activity/ programme	21st October 2021 – 26th October 2021
Time	9am – 5pm
Place	SCMS Campus, Muttom
Chief Guest	Nil
No. of Participants	50









NATIONAL SERVICE SCHEME

UNIT NO: 130

FLOOD RELIEF COLLECTION CENTRE

SCMS Campus Muttom 9.00am - 5.00pm

21-10-2021 - 26-10-2021

Donations VIA



Harikrishna: 80782 42117

(Vol Secretary)

Arun Kumar: 97479 04720

(NSS Programme Oficer)



Malayala 🅮 Manorama 2000 **2000**

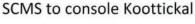
കുട്ടിക്കലിനു കുട്ടായി എസ്സിഎംഎസ്

യ്യൂണിറ്റ് അംഗങ്ങൾ.

അടക്കം അടുക്കളയിലേക്കുള്ള താം നൽകി.

കളമശേരി ● കൂട്ടിക്കലിൽ പ്രളയ സാധനങ്ങളും മരുന്നും ശുചീകര ദുരന്തത്തിൽ സകലതും നഷ്ട - ണത്തിനായുള്ള സാമഗികളും പ്പെട്ടു വിവിധ ക്യാപുകളിൽ കഴി - കോട്ടയം കലക്ടർക്കു കൈമാ യുന്നവർക്കു സഹായഹസ്തങ്ങ റും. എസ്സിഎംഎസ് സ്കൂൾ ളുമായി എസ്സിഎംഎസ് സ് ഓഫ് എൻജിനീയറിങ് ആൻഡ് കൂൾ ഓഫ് ടെക്നോളജി ആൻഡ് ടെക്നോളജിയുടെ സഹകരണ മാനേജ്മെന്റിലെ എൻഎസ്എസ് ത്തോടെയാണു സാധനങ്ങൾ സ്വ രൂപിച്ചത്. എൻഎസ്എസ് പ്രോ ഭക്ഷ്യവസ്തുക്കളും തൂണിയും ഗ്രാം ഓഫിസർ എം.അരുൺകു നിത്യോപയോഗസാധനങ്ങളും മാർ, വൊളന്റിയർ സെക്രട്ടറി ഗ്യാസ് സ്റ്റൗവും പാത്രങ്ങളും ഹരികൃഷ്ണ എന്നിവർ നേതൃ

27-Oct-21





Flood Relief Collection 21st October 2021 – 26th October 2021



Flood Relief Collection 21st October 2021 – 26th October 2021





▶ എസ്.സി.എം.എസ്. സ്കൂറ്റ ഓഫ് ടെക്നോളജി ആൻഡ് മാനേജ്മെൻറ് എൻ.എസ്.എസ്. യൂണിറ്റ് പ്രളയബാധിതർക്കായി നൽകുന്ന അവശ്യസാധനങ്ങറാ കോട്ടയം അഡീഷണൽ ഡിസ്ട്രിക് മജിസ്ട്രേറ്റ് ജിനു പുന്നുസ് ഏറുവാങ്ങുന്നു

പ്രളയബാധിതർക്ക് അവശ്യവസ്തുക്കൾ നൽകി

കളമശ്ശേരി ► പ്രളയദുരന്തത്തിൽ പ്പെട്ടവർക്ക് സഹായഹസ്സങ്ങളു മായി എസ്.സി.എം.എസ്. സ്കൂറം ഓഫ് ടെക്നോളജി ആൻഡ് മാനേ ജ്മെൻറ് എൻ.എസ്.എസ്. യൂണി റ്റ്. ഭക്ഷ്യവസ്കുക്കളും തുണിയും നി ത്യോപയോഗസാധനങ്ങളും ഗ്യാസ് സ്റ്റൗവും പാത്രങ്ങളും മരുന്നും ശു ചീകരണത്തിനുള്ള സാമഗ്രികളും കോട്ടയത്തെത്തിച്ചു. കളക്കറേ റ്റിൽ അഡീഷണൽ ഡിസ്ട്രിക് മജി സ്ട്രേറ്റ് ജിനു പുന്നൂസ് ഏറ്റുവാങ്ങി. എൻ.എസ്.എസ്. പ്രോഗ്രാം ഓഫീ സർ എം. അരുൺകുമാർ, വൊള ൻറിയർ സെക്രട്ടറി ഹരികൃഷ്ണ, വൊ ളൻറിയർമാരായ അഭിനവ് വി. രമ ണൻ, മുഹ്മദ് സാഹിൽ എന്നിവർ നേതൃത്വം നൽകി.

30/10/2021 ERNAKULAM Pg 13

Name of activity / programme	Vigilance Awareness Week Celebration
Date of activity/ programme	26 th October 2021 – 1 st November 2021
Time	9am – 5pm
Place	SCMS Campus, Muttom
Chief Guest	Sri. Manjunathaswamy (Regional Head, UBI Ernakulam)
No. of Participants	150



NATIONAL SERVICE SCHEME



UNIT NO: 130 IN ASSOCIATION WITH

UNION BANK OF INDIA

Vigilance Awareness Week



26/10/2021 - 01/11/2021

ESSAY WRITING COMPETITION

TOPIC :- CORRUPTION : EFFECTS ON INDIAN SOCIETY

















REGIONAL OFFICE ERNAKULAM

observing

Vigilance Awareness Week - 2021

AT SCMS COCHIN

Vigilance Awareness Session & Prize distribution on VAW - 2021

on 29-10-2021 at 11.00 am

Presided by

Shri. MANJUNATHASWAMY.C.J

DGM & Regional Head, Ernakulam

Web Address

Shri. SANJEEV RANJAN SAHAY

DGM, Central Vigilance Department, Mumbai

Vigilance Awareness Session

Shri. RINESH R MENON

Chief Manager, Credit & HR - Ernakulam

SOORAJ.B Chief Manager RVC Ernakulam RAJAN.K.C

Chief Manager Nodal Officer VAW-2021 MANOJ KUMAR MARAR

AGM & Dy. Regional Head Ernakulam

Independent India @ 75; Self Reliance with Integrity

Showly Sh





National Service Scheme Unit No: 130 SCMS School of Technology and Management On 29+ October 2021

Vigilance Awareness Week Celebration

Programme Schedule

11.00am - NSS Theme Song

Welcome address - Ms. Kavya Sooraj (NSS Volunteer)

Presidential address - Dr. G Sashi Kumar (Principal, SSTM)

Inaugural address - Sri. Manjunathaswamy C N

(Deputy General Manager & Regional head, Union Bank of In

Vote of thanks - Ms. Sana Ansari (NSS Volunteer)

12.00 pm - National Anthem

**** Integrity Pledge

**** Prize distribution to the winners



Vigilance Awareness Week Celebration- Essay writing competition, 26th October 2021 – 1st
November 2021





 $\begin{tabular}{ll} Vigilance Awareness Week Celebration- 26^{th} October \\ 2021-1^{st} & November 2021 \end{tabular}$





എസ്.സി.എം.എസിൽ വിജിലൻസ് വാരാചരണം യൂണിയൻ ബാങ്ക് ഓഫ് ഇന്ത്യ ഡെപ്യൂട്ടി ജനറൽ മാനേജറും റീജണൽ മേധാവിയുമായ സി.എൻ. മഞ്ചുനാഥ സ്വാമി ഉദ്ഘാടനം ചെയ്യുന്നു.

എസ്.സി.എം.എസിൽ വിജിലൻസ് വാരാചരണം

കളമശ്ശേരി ► വിജിലൻസ് വാ രാചരണത്തിൻെറ ഭാഗമായി എസ്.സി.എം.എസ്. സ്കൂഗ ഓഫ് ടെക്നോളജി ആൻഡ് മാനേജ്മെൻറിലെ എൻ.എ സ്.എസ്. യൂണിറ്റ് 'അഴിമതിര ഹിത ഭാരതം' പരിപാടി നടത്തി. യൂണിയൻ ബാങ്ക് ഓഫ് ഇന്ത്യ ഡെപ്യൂട്ടി ജനറൽ മാനേജറും റീജണൽ മേധാവിയുമായ സി. എൻ. മഞ്ചുനാഥ സ്വാമി ഉദ്ഘാ

ടനം ചെയ്തു. പ്രിൻസിപ്പൽ ഡോ. ജി. ശശികുമാർ അധ്യക്ഷനായി. യു.ബി.ഐ. ചീഫ് ക്രെഡി റ്റ് മാനേജർ റിനേഷ് മേനോൻ ക്രാസുകഠം നയിച്ചു. സെൻട്രൽ വിജിലൻസ് ഡിപ്പാർട്ടമെൻറ് ഡെപ്യൂട്ടി ജനറൽ മാനേജർ സഞ്ജീവ് ആർ. സഹായി മുഖ്യ പ്രഭാഷണം നടത്തി. ഉപന്യാസ മത്സര വിജയികഠംക്ക് സമ്മാ നം നൽകി.

06/11/2021 ERNAKULAM Pg 11

Vigilance Awareness Week Celebration- 26th October 2021 – 1st November 2021



Name of activity / programme	Palada Payasamela on Kerala Piravi
Date of activity/ programme	1 st November 2021
Time	9am – 3pm
Place	SCMS Campus Pandhal, Muttom
Chief Guest	Dr. Radha P Thevanoor
No. of Participants	50





The "Paladapayasa Mela" organized by the National Service Scheme Unit of SCMS School of Technology and Management on 'Kerala piravi' will be held from 9 am to 3 pm. We kindly request everyone to cooperate in this as it is being conducted to help the school for blind children working in Kuttamassery.

1 liter: 200 / -

1/2 liter: 100 / -



Palada Payasamela on Kerala Piravi, 1st November 2021

Name of activity / programme	Blood Donation
Date of activity/ programme	1 st November 2021
Time	11am – 3 pm
Place	Amritha Hospital, Ernakulam
Chief Guest	Nil
No. of Participants	20



Blood Donation Camp, November 1,2021



Name of activity / programme	Donation to Blind school, Aluva
Date of activity/ programme	12 th November 2021
Time	3 pm
Place	Blind School, Keezhmadu, Aluva
Chief Guest	Nil
No. of Participants	NSS Advisory board Members



പായസമേളയുടെ പണം പഠനത്തിന് നൽകി എസ്.സി.എം.എസ്. വിദ്യാർഥികൾ

കളമശ്ശേരി • എസ്.സി.എം.എസ്. സ്കൂര ഓഫ് ടെക്നോളജി ആൻഡ് മാനേജ്മെൻറ് എൻ.എ സ്.എസ്. സംഘടിപ്പിച്ച പാലടപ്രഥമൻ പായസ മേളയിൽ സ്വരൂപിച്ച 6632 രൂപ കീഴ്മാട് അന്ധവി ദൃാലയത്തിലെ കുട്ടികളുടെ പാനത്തിന് നൽകി. എസ്.സി.എം.എസ്. പ്രിൻസിപ്പൽ ഡോ. ജി. ശശികുമാർ സ്കൂരം പ്രിൻസിപ്പൽ സിജി വർ ഗീസിന് തുക നൽകി. എൻ.എസ്.എസ്. പ്രോ ഗ്രാം ഓഫീസർ എം. അരുൺകുമാർ, വൊള ൻറിയർ വി. ഹരികൃഷ്ണൻ എന്നിവർ പങ്കെടുത്തു.



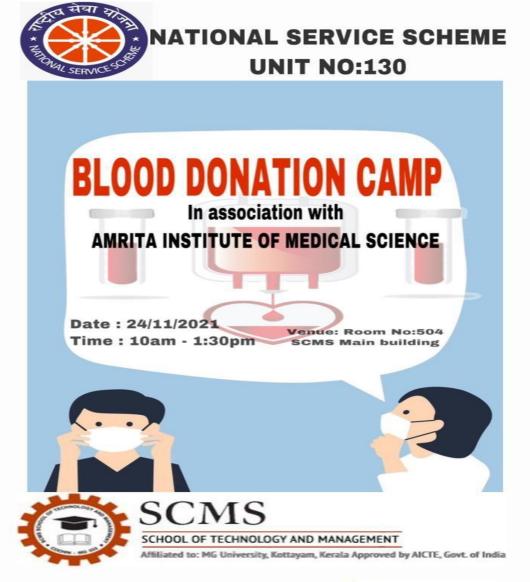




Donation to Blind school, Aluva, 12th November 2021



Name of activity / programme	Blood Donation Camp
Date of activity/ programme	24 th November 2021
Time	10 am – 1.30 pm
Place	SCMS Main Building, Room No:504
Chief Guest	Amrita institute of medical Science, Kochi
No. of Participants	62



















Blood Donation Camp, November 24,2021



Name of activity / programme	Child protection laws and Childline services
Date of activity/ programme	20 th December 2021
Time	11 am – 12.30 pm
Place	SSTM, MBA Hall
Chief Guest	Shiny Shibu, Counsellor, Childline, Kochi
No. of Participants	100



NATIONAL SERVICE SCHEME UNIT NO. 130

Presents

CHILD PROTECTION LAWS AND CHILDLINE SERVICES

ES

20th December 2021

11am - 12.30pm

Venue: SSTM, MBA Hall

Counsellor Childline – Kochi



SCMS CAMPUS, PRATHAP NAGAR, MUTTOM, ALUVA. COCHIN - 683 106, KERALA, INDIA







Child protection laws and Childline services



Name of activity / programme	Awareness Session on maintenance Act and Dementia
Date of activity/ programme	24 th January 2022
Time	10.30 am – 12.30 pm
Place	Online Platform – Google meet
Chief Guest	Sri. Vishnu Raj IAS, Sub Collector, Fort Kochi
Other Speakers	Sri. Shamnad V S (Dist. Social Justice officer)
	Adv. Sam Issac Pothiyil (Highcourt, Kerala)
	Dr. Benzir Hussain (Sree narayana Institute of Medical
	Science)
No. of Participants	100

The National Service Scheme Unit of SCMS School of Technology and Management in association with the Department of Social Justice Ernakulam invites you to the Awareness Session that will be facilitated through online platform. The details are attached with the mail.

Date: 24/01/2022

Time: 10.30 am - 12.30 pm

Online Platform: Google meet

Google Meet joining info

Video call link: https://meet.google.com/wyc-tccp-zrx

Or dial: (US) +1 402-864-0336 PIN: 251 904 738#





Session II: **DEMENTIA**

Resource person:

Dr. Benzir Hussain
Sree Narayana Institute
of Medical Science



Programme Chart

- NSS Song
- Welcome address: Sri. Shamnad V S,
 District Social Justice Officer
- Presidential address: Dr. G Sashi Kumar,
 Principal, SCMS School of Technology and Management
- Inaugural address: Sri. Vishnu Raj IAS,
 Presiding Officer, Maintenance Tribunal and
 Sub Collector, Fort Kochi
- Session I: Maintenance and Welfare of Parents and Senior Citizens Act, 2007
 - Resource person: Adv. Sam Isaac Pothiyil, High Court of Kerala
- Session II: Dementia
 - Resource person: Dr. Benzir Hussain,
 Sree Narayana Institute of Medical Science
- Vote of thanks: Sri. Arunkumar M,
 NSS Programme Officer,
 SCMS School of Technology and Management, Muttom











കേരള സർക്കാർ

ജില്ലാ സാമൂഹ്യ നീതി വകുപ്പ്, എറണാകുളം മെയ്ന്റനൻസ് ട്രൈബ്യൂണൽ ഫോർട്ട്കൊച്ചി

മാതാപിതാക്കളുടെയും മുതിർന്ന പൗരന്മാരുടെയും സംരക്ഷണവും ക്ഷേമവും നിയമം 2007

സ്വാഗതം

: ശ്രീ. ഷംനാദ് വി.എസ്

(എറണാകുളം ജില്ല സാമൂഹ്യ നീതി വകുപ്പ് <mark>ഓഫീസർ)</mark>

അദ്ധ്യക്ഷൻ

: ഡോ. ജി.ശശി കുമാർ

(പ്രിൻസിഷൽ, എസ്.സി.എം.എസ് സ്കൂൾ ഓഫ്

ടെക്നോളജി & മാനേജ്മെന്റ്)

ഉദ്ഘാടനം

: ശ്രീ. വിഷ്ണുരാജ് IAS

(പ്രിസൈഡിംഗ് ഓഷീസർ മെയിന്റനൻസ് ട്രിബ്യൂണൽ

സബ്ബ് കളക്ടർ, ഫോർട്ട്കൊച്ചി)

ക്ലാസ് നയിക്കുന്നത്

: അഡ്വ. സാം ഐസക്ക് പൊതിയിൽ

(ഹൈക്കോർട്ട് ഓഫ് കേരള)

വിഷയം

സെക്ഷൻ 1 : മാതാപിതാക്കളുടെയും മുതിർന്ന പൗരന്മാരുടെയും

സംരക്ഷണവും ക്ഷേമവും നിയമം 2007

സെക്ഷൻ 2

: ഡോ. ബേൻസീർ ഹുസൈൻ

(സൈക്യാട്രിസ്റ്റ്, ശ്രീനാരായണ ഇൻസ്റ്റിറ്റ്യൂട്ട് ഓഫ്

മെഡിക്കൽ സയൻസ്)

വിഷയം

: ഡിമെൻഷ്യ

കൃതഞ്ജത

: ശ്രീ. അരുൺകുമാർ എം

(എൻ.എസ്.എസ്. പ്രോഗ്രാം ഓഷീസർ,

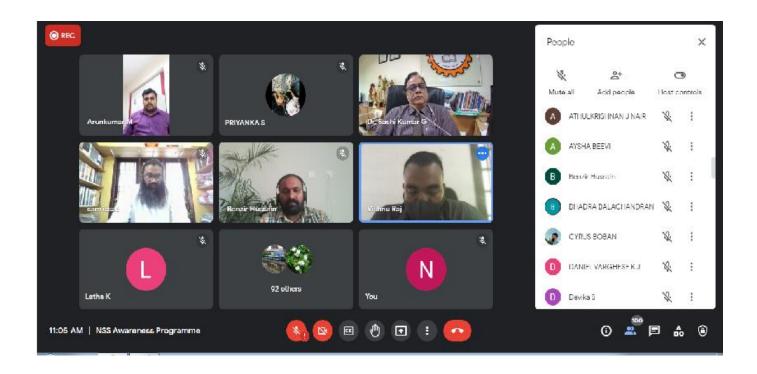
എസ്.സി.എം.എസ് സ്കൂൾ ഓഫ് ടെക്നോളജി, മുട്ടം)

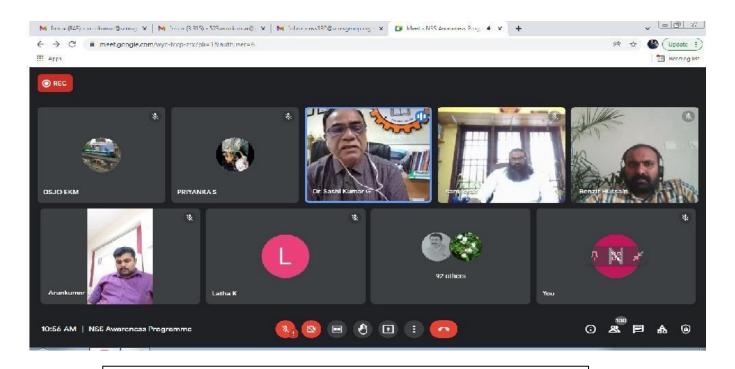
പങ്കെടുക്കുന്നവർ

: എസ്.സി.എം.എസ് സ്കൂൾ ഓഫ് ടെക്നോളജി & മാനേജ്മെന്റ് മുട്ടം, എൻ.എസ്.എസ് സ്റ്റുഡന്റ്സ്

Google Meet

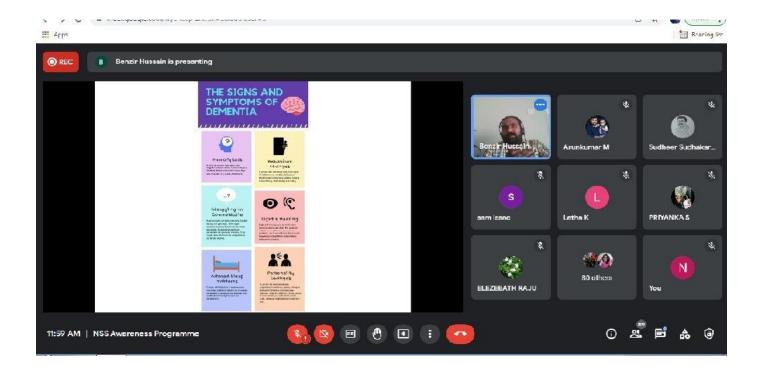
Date: 24.01.2022 | Time: 10.30am - 12.45pm





Awareness Session on maintenance Act and Dementia, 24^{th} January 2022





Awareness Session on maintenance Act and Dementia, 24th January 2022



Name of activity / programme	Campus Cleaning
Date of activity/ programme	24 th February 2022
Time	9.30 am – 11.30 am
Place	SCMS Campus
Chief Guest	Nil
No. of Participants	32





Name of activity / programme	Puthu Vypin Beach Cleaning
Date of activity/ programme	31st March 2022
Time	7.30 am – 11.30 am
Place	Puthu vypin
Chief Guest	Mr. Chandran Pillai (Chairman, GCDA)
No. of Participants	150









പുതുവൈപ്പ് ബീച്ച് ശുചിക രിക്കുന്നു

പുതുവൈപ്പ് ബിച്ചിലെ മാലിന്വം നീക്കി

വൈ**പ്രീൻ:** കേരള ഹോട്ടൽ ആൻ ഡ് റസ്റ്റാറന്റ് അസോസിയേഷൻ, ഭക്ഷ്യ വിതരണ ആപ്പായ റെസോ യ്, സ്റ്റെനം എഷ്യ എന്നിവയുടെ ആഭിമുഖ്യത്തിൽ പുതുവൈപ്പ്ബീ ച്ചിലെ മാലിന്യം നീക്കം ചെയ്തു. ജി സിഡി.എ ചെയർമാൻ കേ. ചന്ദ്ര ൻപിളള ഉദ്ഘാടനം ചെയ്തു. മാറം പള്ളി എം.ഇ.എസ് കോളജ്, എ സ്.സി.എം.എസ് കോളജ് ഓഫ് മാനേജ്മെന്റ്, എസ്സി.എം.എസ് കോളജ് ഓഫ് ആർകിടെക്ചർ, എസ്.സി.എം.എസ് കോളജ് ഓ ഫ് എൻജിനീയറിങ് എന്നിവിടങ്ങ ളിൽനിന്നുള്ള 250ഓളം എൻ.എ സ്.എസ് വളന്റിയർമാർ പങ്കെടു ത്തു. നീക്കം ചേയ്ത മാലിന്യം തരം തിരിച്ച് റീസൈക്ലിങ്ങിന് അയച്ചു.

MISSION 'CLEAN'



NSS volunteers from Marampally MES College, SCMS College of Management, SCMS College of Architecture and SCMS College of Engineering participate in the cleaning drive organized by the Kerala Hotel and Restaurant Association, Food Delivery App Resoy and Stenum Asia at Puthuvype beach on Thursday



കേരളാ ഹോട്ടൽ ആന്റ് റെസ്റ്റോറന്റ് അസോസിയേഷൻ, റെസോയ്, സ്റ്റെനം ഏഷ്യ എന്നിവരുടെ ആഭിമുഖ്യത്തിൽ പുതുവൈപ്പ് ബീച്ചിൽ ശുചീകരണ പ്രവർത്തനം നടത്തുന്നു.

െസ്കവ്രദ്യാതം

കെ.എച്ച്.ആർ.എയുടെ നേതൃത്വത്തിൽ പുതുവൈപ്പ് ബിച്ചിലെ മാലിന്യങ്ങൾ നീക്കി

വൈപ്പിൻ

കേരള ഹോട്ടൽ ആന്റ് റെസ്റ്റോ റന്റ് അസോസിയേഷൻ, ഭക്ഷ്യ വിതരണ ആപ്പായ റെസോയ്, സ്റ്റെനം ഏഷ്യ എന്നിവരുടെ ആഭിമുഖ്യത്തിൽ പുതുവൈപ്പ് ബീച്ചിലെ മാലിന്യങ്ങൾ നീക്കം ചെയ്തു. ജി.സി.ഡി.എ ചെയ ർമാൻ കെ. ചന്ദ്രൻപിള്ള പരിപാ ടി ഉദ്ഘാടനം ചെയ്തു. മാറംപ ള്ളിഎം.ഇ.എസ്കോളജ്, എസ്. സി.എം.എസ് കേളജ് ഓഫ് മാ നേജ്മെന്റ്, എസ്.സി.എം.എസ് കേളജ് ഓഫ് ആർകിടെക്ച്ച ർ, എസ്.സി.എം.എസ് കേളജ് ഓഫ് എൻജിനീയറിങ് എന്നിവി ടങ്ങളിൽ നിന്നുള്ള 250ഓളം എൻ.എസ്.എസ്വളണ്ടിയർമാർ പങ്കെടുത്തു. നീക്കം ചെയ്ത മാ ലിനൃങ്ങൾ തരംതിരിച്ച് റീസൈ ക്ലിങ്ങിനയച്ചു.

എളങ്കുന്നപ്പുഴ പഞ്ചായത്ത്പ്ര സിഡന്റ്രസികലപ്രിയരാജ്, കെ .എച്ച്.ആർ.എ സംസ്ഥാന പ്രസി ഡന്റ് ജി.ജയപാൽ, ജില്ലാ പ്രസി ഡന്റ് മനോഹരൻ, ജില്ലാ സെക്ര ട്രറിറഹീം, റെസോയ് സി.ഇ.ഒമു ഹമ്മദ് മുസ്തഫ, എക്സിക്യൂട്ടീ വ് ഡയറക്ടർ നാസിം മുഹമ്മദ്, ലീഗൽ അഡൈ്വസർഷെറിചെ



കെ.എച്ച്.ആർ.എയുടെ നേതൃത്വത്തിൽ നടന്ന പുതുവൈപ്പ് ബീച്ച് ശുചീകരണം

റിയാൻ, സ്റ്റെനം ഏഷ്യ സി.ഇ.ഒ രജത്ബത്ര, പ്രഹ്ലാദ് തിവാരി ടെറി എന്നിവർ പരിപാടിക്ക് നേ തൃത്വം നൽകി.

ശുചീകരണപ്രവർത്തനങ്ങൾ ചെയ്ത കോളജുകൾക്കു ബാർ കൗൺസിൽ ഓഫ് കേരള മെമ്പ ർ അഡ്വ.നാഗരാജൻ നാരായണ നും പങ്കെടുത്തവർക്ക് എറണാ കുളം ജില്ലാ ഒളിംപിക് അസോ സിയേഷൻ സെക്രട്ടറി സി.കെ സനിലും മെമന്റോകൾ വിതര ണംചെയ്തു. പങ്കെടുത്ത എല്ലാ വർക്കും സർട്ടിഫിക്കറ്റുകൾ നൽകി.

സ്റ്റേനം ഏഷ്യയുടെപ്രിവൻഷ ൻ ഓഫ് മറൈൻ ലിറ്റർ ഇൻ ദി ലക്ഷദ്വീപ് സീ, പ്രോമിസ് എന്ന നാല് വർഷത്തെ പദ്ധതിയുടെ ഭാഗമായാണ്ബീച്ചുകൾമാലിന്യ മുക്തമാക്കുന്നത്. 2020 ൽആരം ഭിച്ചപദ്ധതി 2024 ൽ അവസാനി ക്കും. പുതുവൈപ്പിന് പുറമെ, കോഴിക്കോട് കാപ്പാട്, കൊല്ലം ബീച്ചുകളിലെയും മാലിന്യങ്ങൾ നീക്കം ചെയ്യും.





Learn to love yourself- A lesson never taught

Speaker: Ms.Lekshmy Rajeev, Writer, social activist and entrepreneur

Date: 14th July 2021

Time: 3pm @ Zoom

Swara organized a session by Ms. Lekshmy Rajeev, Writer, social activist and entrepreneur on the topic "Learn to love yourself- A lesson never taught". The session was hosted on Zoom and around 200 students from various disciplines- PGDM, MBA, MCA, BCom, BSc and BA attended the talk. Ms.Drishya Deepak, MBA batch 14 welcomed the guest and attendees. Dr. Sethulakshmy, Deputy Director- SIBB R & D, introduced the speaker.

Ms.Lekshmy started with her own story of spending more than 45 years not loving herself but for living others. She asserted the fact that everyone should find some time to love ourself and think of own happiness. She said that she practiced nurturing her body as the first step. The session was very interesting and had many doubts and experience sharing by the participants. Ms.Lekshmy made the session interactive and gave many examples from her own life and also of others whom she has come across at various stages. She quoted examples of Ramana Maharshi and many others which was very inspiring.

The session ended by vote of thanks by Ms. Shivani, PGDM Batch 29.





Swara



Women's forum of SCMS presents

LEARN TO LOVE YOURSELF-A LESSON NEVER TAUGHT



WEDNESDAY JULY 2021 MS. LEKSHMY RAJEEV
WRITER,
SOCIAL ACTIVIST AND
ENTREPRENEUR











Webinar by Ms.Lekshmy Rajeev, Writer, social activist and entrepreneur on 14-07-21



INTERNATIONAL DAY FOR ELIMINATION OF VIOLENCE AGAINST WOMEN

Date: 25 November 2021

Time: 3.45 pm

Venue: Seminar hall

On behalf of SWARA - Women's forum of SCMS, the department of MBA organised a event as a part of observing the "INTERNATIONAL DAY OF ELIMINATION OF VIOLENCE AGAINST WOMEN". The department SWARA cooridnators of MBA batch 19 are Ms.S S Anjali Krishna and Ms Anjana Anup, Ms. Angela Maria & MS. Meghana D. Ms. Anjali & Ms. Anjana were the hosts for the program .The program started with prayer by Mi Geethu Manoj and Miss Tiya Gino. Welcome speech was delivered by Ms. Angela Maria Robert .Dr.G Sashikumar , Principal, SSTM addressed the students and delivered the message related to the day. He said that equality is a right and there should be no gender biasedness in that. Dr. Praveena K, HOD of MBA department and the faculty Swara coordinator presided over the function. Ms Gopi Krishna explained about the importance of the day.

The event was organised to spread the message of elimination of violence against women and all the students of MBA batch 19 participated in the programme. The students were divided into ten teams and they were given 15 minutes to prepare a performance spreading the message for the day on the above theme.

Students came up with innovative ideas and had a strong message with each performance. The performances included skits, music (composed by them), mime, speeches etc. Dr Dulari S S Associate Professor, MBA shared the feedback of the event and congratulated the students for their performance.





























INTERNATIONAL DAY OF ELIMINATION OF VIOLENCE AGAINST WOMEN on 25 November 2021



'Woman, The Multitasker'.

Date: 1st December 2021

Time: 2.15 pm

Venue: Seminar hall

SWARA organized the event "WOMAN, THE MULTITASKER" on 1st December 2021. The chief guest of the day was Ms. Poornima Indrajith (actor/entrepreneur/fashion designer), Pranaah design boutique.

During the insightful session, she talked about her journey and the learning she had while starting her private label - Pranaah. Hailing from a non-business family, she had to learn from scratch about starting her own brand. Some of the inspiring points were regarding putting effort, the willingness to learn and understanding the process of the journey that we are travelling. She defines her success in gaining knowledge and satisfaction while learning her work rather than the big bank statements or the performance in financial sheets. She mentioned about the balance that we have to keep among ourselves and also the need to analyze our own strengths and weakness. Understanding the shortcomings and trying to adopt required changes is important. She also pointed out about how we should keep ourselves accountable of our action and not keep blaming the choices taken in life. The session was very well interactive and quite informative.







'WOMAN, THE MULTITASKER'

The women's forum of SCMS presents

MS. POORNIMA INDRAJITH
ACTOR/ ENTREPRENEUR/FASHION DESIGNER
PRANAAH DESIGNER BOUTIQUE



SCMS

GROUP OF EDUCATIONAL INSTITUTIONS



WOMAN, THE MULTITASKER" on 1st December 2021



Stand for What is Right Workshop by TVS Raider and Josh Talks

Date: 19th Jan, 2022

Time: 4 pm

@ Zoom

An educational webinar was organised by Swara in association with Josh talks and TVS Raider. They had an online conversation with the students of SCMS to raise awareness about violence against women, & how they can be 'wicked' enough to stand up for what's right. TVS believes that aggression does not come from doing something extreme but from the inner confidence that does not need any validation.

The module delivered covered the following topics:

- 1. What constitutes of violence against women.
- 2. How can we help prevent & neutralize it.
- 3. How to provide support & counsel victims of such violence.
- 4. Legal courses available for victims.





Swara



Women forum of SCMS presents
AWARENESS SESSION ON
VIOLENCE AGAINST WOMEN









National Science Day celebrations

Date: 28th Feb, 2022

Swara in association with the Department of Biosciences celebrated the national science day. The major aim of the program was to create an awareness on Science Day Theme 'Integrated Approach in Science and Technology for a Sustainable Future'. Dr Sethulekshmy Nair, Deputy Director, SIBB R&D addressed the students on Contributions of Women in Science, and Dr. Divya U.K. on 'Integrated Approach in Science and Technology for a Sustainable Future. Followed by the talks, a Science Quiz was conducted for the BSc students by MSc Ist year students. The rounds in the quiz were based on the theme of the science day 2022, Biotechnology Inventions and Women in Science. Seven teams from the three BSc batches participated in the quiz. First, second and third prizes were awarded for the winners.



National Science Day celebrations, 28th Feb, 2022





International Women's Day 2022

Date: 8th March 2022

Venue: Seminar hall

SWARA celebrated the International Women's Day 2022 in the campus with a panel discussion. The theme for International Women's Day, 2022 is 'Gender Equality Today for a Sustainable Tomorrow', recognizing the contribution of women and girls around the world, who are leading the charge on climate change adaptation, mitigation, and response, to build a more sustainable future for all. The official campaign this year is 'Break the Bias' which highlights the importance of challenging biases and misconceptions in the interest of creating a more inclusive and gender-equal world. In association with the Department of Computer Applications this year we celebrated the day on the theme "Women in Technology".

The distinguished speakers for the day were as follows

Ms. Sujata Madhav Chandran, Head- Competency Development, Co-Innovation and Partner Ecosystem, Data Services of Analytics and Insights unit at Tata Consultancy Services.

Ms. Sruthy Thampuratty, Lead Generation Manager | Strategic Sales at UST Global Ms. Meera Abraham, HR Manager, Calpine Group.

Ms. Aswathy Venugopal, Dream Maker, Co- Founder, Avasarshala and TEDx speaker.

Each speaker spoke in the different angles of how they shaped their career in the field of technology. Ms. Sujata said that she was the only girl in the class and she took a different a path to enter the technology field. She also gave some inputs to the young ladies to be dynamic and be firm on the decisions they take in their life.

Ms. Sruthy said that she started her career in the coding area and then took a very different and firm step to enter to the sales field in technology. Ms. Meera Abraham spoke from the HR angle and also deliberated on what the recruiters look for in



selecting ladies in this field. Ms. Aswathy is an entrepreneur and she said that everyone should be bold enough to take risks and then also be acceptable to changes that they see.









Mathrubhumi ADOGS

വനിതാദിനം ആഘോഷിച്ചു



എസ്.സി.എം.എസിൽ സംഘടിപ്പിച്ച വനിതാസംഗമത്തിൽ ടി.സി.എസ്. കോംപീറ്റൻസി ഡെവലപ്മെൻറ് വിഭാഗം മേധാവി സുജാത മാധവ് ചന്ദ്രൻ സംസാരിക്കുന്നു



International Women's Day 8th March 2022





International Women's Day 8th March 2022



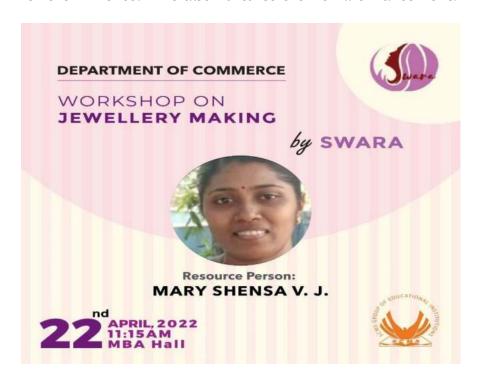


Workshop on jewellery making

Date: 22nd April,2022

Venue: MBA Seminar hall

Swara, in association with the Department of Commerce conducted a jewellery making workshop for the UG students in the campus. The resource person was Ms. Mary Shenza V.J. She gave an introduction on jewelry making, the basic instructions and taught everyone about the types of jewelry making. She distributed the basic tools and materials which are necessary for the workshop. The main intention of the workshop was to give the students a platform to nurture their creative skills and also be self sufficient. The students could come up with creative jewellery both for them and also for their friends. This also nurtures their skill enhancement.







Workshop on jewellery making on 22nd April, 2022





SCMS SCHOOL OF TECHNOLOGY AND MANAGEMENT

SCMS Campus, Prathap Nagar, Muttom, Aluva, COCHIN- 683 106. KERALA

Activities conducted relevant to Gender Human Values Professional Ethics Environment and sustainability

2020-21



SCMS SCHOOL OF TECHNOLOGY AND MANAGEMENT, MUTTOM





2020 - 2021

Name of activity / programme	"World Environment day". (plant a Tree)	
Date of activity/ programme	June 5	
Time	10.30 am	
Place	SCMS Campus	
Chief Guest	Dr. G Sashi Kumar (Principal ,SSTM)	
No. of Participants	10	



World Environment Day, June 5, 2020

As part of the World Environment Day, saplings were planted in the SCMS garden by Dr. G. Sashikumar, the principal of SCMS School of Technology and Management. The event was graced by the presence of ASI, Aluva Sabu and all the BCom faculty members were present for the event.

Name of activity / programme	National Level online Quiz	
Date of activity/ programme	July 29	
Time	One week	
Place	SCMS Campus	
Chief Guest		
No. of Participants	3321	

Link for Quiz: https://forms.gle/Yd6MvTdhVxSR4i558

A National Level Online quiz was conducted by the NSS unit of SCMS School of Technology and Management on July 29, 2020. It was a general knowledge quiz which was related to the National service scheme and it comprised about 20 questions. The quiz was accessible for one week and received around 3321 responses. Certificates were provided to the participants who scored 60% and above.



Name of activity / programme	Poster designing competition	
Date of activity/ programme	October 2	
Time	9 am – 5 pm	
Place	Choornikkara Grama Panchayath	
Chief Guest		
No. of Participants	100	







Poster designing competition, October 2, 2020

Name of activity / programme	Orientation Programme	
Date of activity/ programme	January, 20	
Time	11 am – 12.30 pm	
Place	Online Platform (Google meet)	
Chief Guest	Sri. Jobin George(NSS District Coordinator, M G university)	
No. of Participants	50	



NATIONAL SERVICE SCHEME UNIT NO. 130

Orientation Session

A JOURNEY THROUGH NSS

RESOURCE PERSON



20 JAN 2021 11 TO 12.30 PM IST

Join with Google Meet: meet.google.com/wrx-ayhs-yhn

Sri. JOBIN GEORGE

National Service Scheme District Coordinator Mahatma Gandhi University, Kottayam (Asst. Professor, B P S College, Piramadom)

Email: nss130@scmsgroup.org, Phone: 9747904720



SCMS SCHOOL OF TECHNOLOGY AND MANAGEMENT (SSTM)

SCMS, Campus, Prathap Nagar, Muttom, Aluva, Cochin – 683106. Tel: 0484 2628000, Fax: 0484-2623855, www.scmsgroup.org/sstm



Name of activity / programme	Clean Kochi drive
Date of activity/ programme	March, 13
Time	07 am – 11.30 am
Place	Kaloor, Ward No.44
Chief Guest	Nil
No. of Participants	16









SCMS COLLEGE

Clean kochi drive campaign



Clean kochi drive campaign conducted on 13 march, we went along with 16 volunteers, activities started at 8Am, the activities given to us was to collect waste from the localities, we collected waste and sorted them out.











Clean Kochi drive, March 13, 2021



Name of activity / programme	Seven day Camp	
Date of activity/ programme	15/03/2021 - 21/03/2021	
Time	07.30 am – 8.30 pm	
Place	Online through Google meet	
Chief Guest	Dr. Rekha Raj (NSS Programme Coordinator, M G university, Kottayam)	
No. of Participants	50	



Name of activity / programme	POCSO Act 2012 and stop child sexual abuse	
Date of activity/ programme	10 th May 2021	
Time	2pm – 4pm	
Place	Online - ZOOM	
Chief Guest	Dr. Ramaya Nizal, Trainer Sakshi	
No. of Participants	160	



NATIONAL SERVICE SCHEME UNIT NO. 130

TOPIC

POCSO ACT 2012 AND STOP CHILD SEXUAL ABUSE

RESOURCE PERSON



10 MAY 2021 2.00 PM TO 4.00 PM

Platform-Zoom Application

Dr. Ramaya Nisal

Senior Consultant General Surgeon Trainer, Sakshi

For more information;

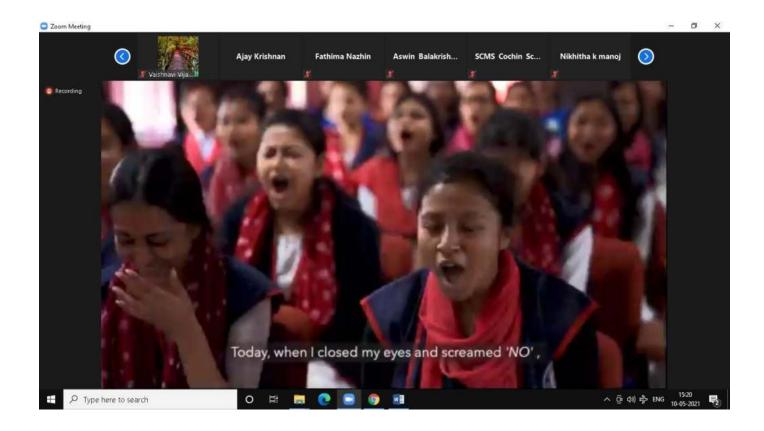
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POCSO Act 2012 and stop child sexual abuse, May 10,2021



	CORONAVIRUS: What should we know about covid-19	
Date of activity/ programme	12 th May 2021	
Time	11 am – 12 pm	
Place	Online - ZOOM	
Chief Guest	Dr. Rasheeda Beegum, Nodal officer Ayush	
No. of Participants	150	



NATIONAL SERVICE SCHEME UNIT NO. 130

TOPIC

CORONAVIRUS: What should we know about COVID-19?

RESOURCE PERSON



12 MAY 2021
11AM TO 12 PM

Platform-Zoom Application

Dr. Rasheeda Beegum G F Nodal Officer Ayush, Lakshadweep Medical Officer Incharge, Deen Dayaal Upadyay Ayush Hospital, Lakshadweep

For more information;

Email: nss130@scmsgroup.org Phone: 9747904720



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NATIONAL SERVICE SCHEME UNIT-130

SCMS SCHOOL OF TECHNOLOGY AND MANAGEMNT THEME- YOUTH FOR PREVENTION AND MITIGATION OD COVID 19

DAY-1

15/03/2021

INAUGURAL FUNCTION WAS STARTED WITH A PRAYER SONG BY NSS VOLUNTEER MS.ELEZABATH RAJU.AND THEN WELCOME SPEECH MS.ANJALI(NSS VOLUNTEER). INAUGRATION WAS DONE BY DR.G. SASHI KUMAR(PRINCIPAL SSTM).INAUGRAL ADDRESS BY DR. REKHA RAJ(NSS PROGRAMME COORDINATOR MGU KOTTAYAM), AND THEN VOTE OF THANKS BY NSS VOLUNTEER, AT 7.30PM ONWARDS WE HAD ICE BREAKING SESSION BY SRI. POTTY.IT SANAL WAS AN INTERACTIVE SESSION WITH STUDENTS ABOUT SOCIAL AWARENESS. ALONE WITH THAT SOME CULTURAL ACTIVITIES WAS ALSO DONE, SESSION WAS ENDED BY 8.00 PM.FINALLY OUR COORDINATOR MR. ARUNKUMAR GAVE US SOME INSTRUCTION ABOUT DAY 2.



DAY- 2







DAY 2 WAS STARTED WITH NSS PRAYER BY OUR VOLUNTEER AND THEN THOUGHT OF THE DAY BY MS. LENA FATHIMA(NSS VOLUNTEER).AFTER THAT YOGA SESSION WAS HELD AND ENDED UP BY 8.30 AM.

BY 10.30 ONWARDS ACTIVITY SESSION WAS STARTED. "BEST OUT OF WASTE" WAS THE THEME OF OUR ACTIVITY. ALL THE STUDENTS MADE SOME CREATIVE PRODUCTS AND PRESENT IT IN THE SESSION AND ALL ENDED BY 1.00 PM.

NEXT SESSION STARED BY 2.30 PM AND IT WAS TAKEN BY MS.FEBINI M JOSEPH(ASS. PROF SSET). IT WAS AN INTERACTIVE SESSION WITH STUDENTS ON THE TOPIC "7 HABITS TO INCREASE YOUR SOCIAL PRODUCTIVITY". IT REALLY HELPED THE STUDENTS TO IMPROVE THEIR SOCIAL BEHAVIOUR. AND IT WAS ENDED BY 4.00 PM. FINALLY CULTURAL ACTIVITIES BY THE STUDENTS WAS HELD AND COME TO AN END BY 5.00 PM.

DAY-3

17/03/2021

DAY 3 WAS STARTED WITH NEXT SESSION STARTED BY PRAYER BY NSS VOLUNTEER 2.30 PM AND IT WAS TAKEN AND THEN THOUGHT OF THE BY DAY BY NSS VOLUNTEER THEN KURUMBATHURUTH YOGA SESSION WAS HELD AND TRAINER, ENDED BY ONWARDS ACTIVITY SESSION TEACHER IT WAS ALL ABOUT WAS STARTED FARMING IN HOME WAS OUR HE SHARED MANY OF HIS THEME, ALL THE STUDENTS LIFE EXPERIENCE IT WAS AN PLANTED VARIOUS SEEDS IN INTERACTIVE GROW BAGS AND SHARED INTRESTING THEIR INVENTIVE TO ALL NOW STUDENTS. THE SESSION A DAYS GROW BAGS ARE AN REALLY HELPED ALL THE INVALUABLE ASSET TO THOSE STUDENTS TO BUILD A NEW GARDENING IN SMALL OR LESS BONDING THAN OPTIMAL SPACES THIS FAMILY, FINALLY CULTURAL ACTIVITY VOLUNTEERS WILL BE A STEP SESSION WERE THERE BY TOWARDS HEALTHY FUTURE STUDENTS AND ALL THE EVERYTHING ACTIVITY ENDED BY 1.00 PM

ANSON MR. MOTIVATIONAL 8.30.BY 10.30 SPEAKER GOVT UP SCHOOL "ORGANIC FAMILY, ALONG WITH THAT AND CLASS WITH THEIR DONE BY NSS ACTIVITIES AND GAMING ABOUT THIS CELEBRATION COME TO AN END BY 6.00 PM





DAY-4

18/03/2021





THE DAY WAS BEGIN WITH A PRAYER BY NSS VOLUNTEER AND THEN THOUGHT OF THE DAY BY NSS VOLUNTEER WERE THERE AS USUAL YOGA SESSION WAS STARTED AND ENDED BY 8.30 AM, BY 10.30 ONWARDS ACTIVITY SESSION STARTED "COOKING OF FOODS" WERE THE THEME AND ALL THE STUDENTS PREPARED VARIETY DISHES AND SHARED THEIR MOUTH WATERING COURSE TO EVERYONE, MANY OF THE STUDENTS SHARED THEIR FOOD RECIPES TO ALL, IT HAD ENDED BY 1.00 PMNEXT SESSION STARTED BY 2.30 PM AND THAT WAS TAKEN BY ZAKARIYA JOY. SCIENTIFIC DISPOSAL OF MUNICIPAL SOLID WASTE WERE THE THEME IT HAD REALLY HELPED THE STUDENTS TO KNOW MORE ABOUT DISPOSAL OF PLASTIC WASTE AND CONTROL THE USE OF HAZARDOUS MATERIALS. IT MADE THE STUDENTS ECO-FRIENDLY AFTER THAT A QUESTIONARE SESSION WERE THEIR BY STUDENTS LATER CULTURAL PROGRAMS AND GAMES WERE CONDUCTED BY STUDENTS WERE HELD AND ALL OVER ENDED BY 5.00 PM.

PAGE 3 NEWS

DAY-5 19/03/2021



DAY 5 WAS STARTED WITH A PRAYER BY OUR NSS VOLUNTEER AND ALONG WITH THAT THOUGHT OF THE DAY WERE THERE UNUSUAL YOGA SESSION WAS ALSO HELD AND ENDED BY 8,30 AM

BY 10.30 ONWARDS STUDENTS WENT FOR TAKING COVID SURVEY. EACH OF THE STUDENTS TOOK ATLEAST 5 RECORDS AND SUBMITTED THROUGH GOOGLE FORM THIS SURVEY REALLY HELPED TO KNOW MORE ABOUT THE COVID SITUATION OF ALL FAMILIES ASSESSMENT OF ALL COME TO END BY 1.00 PM. NEXT SESSION STARTED BY 2.30 PM BY MR. TOBIO PD (ASS PROF OF POLITICAL SCIENCE "HOW TO TURN DISABILITY TO ABILITY WERE THE THEME OF THE SESSION. HE SHARED MANY OF HIS EXPERIENCE THAT HOW HE CHANGED HIS DISABILITIES TO ABILITIES AND THOSE WERE VERY INSPIRING FINALLY CULTURAL ACTIVITIES HAD CONDUCTED!

DAY-6

20/03/2021

THE DAY WAS BEGAN WITH A PRAYER BY NSS VOLUNTEER AND NEXT THOUGHT OF THE DAY WERE THERE AFTER THAT YOSA SESSION ALSO CONDUCTED AND ENDED UP BY 8.30 AM FROM 10.30 ONWARDS IT WAS THE TIME FOR CAMP PAPER PREPARATION, ALL THE STUDENTS CONTRIBUTED THEIR PART TO THE DISCUSSION AND BY 1.00 PM IT WERE FINISHED.CLASS SESSION STARTED BY 2 30 PM, "JOYFULLNESS N NSS WAS OUR TOPIC FOR THE DAY, WHICH WAS TAKEN BY

DR.SONY TL(INDRAGANDHI

NATIONAL NSS AWARD WINNER, ASS PROF SRI C ACHUTHAMENON GOVT

COLLEGE THRISSUR SHE HAD SHARED MORE OF HER NSS EXPERIENCES

WITH STUDENTS. SHE TAUGHT STUDENTS HOW TO BECOME A GOOD NSS

VOLUNTEER IT REALLY HELPED STUDENTS TO KNOW MORE ABOUT NSS

FINALLY ALL THE PROGRAMS WERE FINISHED BY 5.00 PM WITH CUTURAL PROGRAMMES, GAMES AND CAMP EVALUATION



PAGE-4 NEWS

OBJECTIVES

The main objectives of National Service Scheme (NSS) are:

i. understand the community in which they work

ii. understand themselves in relation to their community

iii. identify the needs and problems of the community and involve them in problemsolving

iv. develop among themselves a sense of social and civic responsibility

 v. utilise their knowledge in finding practical solutions to individual and community problems

vi. develop competence required for group-living and sharing of responsibilities

vii. gain skills in mobilising community participation

viii. acquire leadership qualities and democratic attitudes

ix. develop capacity to meet emergencies and natural disasters and

x. practise national integration and social harmony

Let us be good first and then instruct others to be good



Programme Officer Sri. Arunkumar M



Principal Dr. G Shashi kumar









Pink month celebration

Catch 'em Young – Early detection of breast cancer by Dr.Regi Jose

Date & time: 22nd October, 2020 @ 1.45 pm

Platform: Google Meet

The Women's Forum of SCMS - Swara, organized a webinar on Breast Cancer as part of Pink month- Breast Cancer awareness month (October 2020). The webinar was held on 22 nd October, 2020 which was Pink Ribbon Day from 1:45 pm to 3:00 pm in Google Meet and went live on Facebook. The speaker was Dr. Regi Jose, Professor of Community Medicine, Sree Gokulam Medical College, Thiruvananthapuram and the Medical Director of Snehita Women's Health Foundation. The webinar was on "Breast Cancer - Catch 'em Young". Ashly Raphel of MBA 17 welcomed the speaker and the audience, Megha of PGDM 29 proposed the vote of thanks. Students from MBA, PDGM and MCA, faculty members of SCMS group attended the webinar on Google meet. The speaker threw light upon Clinical Breast Examination, reasons for breast cancer, how regular examination helps a woman to diagnose breast cancer in the first stage and get cured completely, and treatments for breast cancer. The speaker also clarified all the doubts of the audience.









Dr.Regi Jose

Professor of community medicine, Sree Gokulam medical college, Thiruvananthapuram and the medical director of snehita women's health foundation

She is also the Joint Secretary of Research Cell, IMA (Indian Medical Association) Kerala Branch.

- Member of the Editorial Board of
 - a. Academic Medical Journal of India
 - b. International Journal of Preventive and Therapeutic Medicine
 - c. The New Clinician
- She has received National Institute of Health, USA (NIH R21 5 R21 CA224387-02) NIH grant Award (2017-2019)
- India Lead Principal Investigator and ,the Indian Collaborator forNIH research grant award "M-OncoED: Oncology Education and Training for Providers Using Mobile Phones"grant was awarded by, is supported by, is administered by National Cancer Center USA is in partnership with the Fogarty International Center at the U.S. National Institutes of Health
- SMT.GANJI ARUNA ANJANEYULU YOUNG SCIENTIST AWARD :2010. of INDIAN PUBLIC HEALTH ASSOCIATION for services rendered in the field of cancer and allied areas

Her area of interest includes Cancer Epidemiology, Breast Cancer Early Detection, Non-Communicable Diseases etc.

She has to her credit many publications in both national and international reputed journals in the area of breast cancer and community medicines. She has also been part of national and international conferences.

Along with her husband, Dr Paul Augustine, head of the division of surgical oncology at the Regional Cancer Centre (RCC) in T'puram she has devised the risk calculator after conducting an extensive study on the usefulness of Gail model in estimating the risk for development of breast cancer in women of Kerala.

	Attendance list from Google Meet		
1	Dr. Praveena K (You)	50	Manju M
2	ABHIRAMI VINOD	51	MARIA REJU
3	AFNAN AFSAL	52	MARY HEMIYA
4	ALEESHA GEORGE	53	MEERA P K
5	AMJITHA HANNA C	54	MEGHA V
6	AMRITHA A	55	MELINDA MARY MELCHIZEDEK
7	ANDRIA BENITTA ROCHA	56	MILAN SARA PAUL
8	ANEENA APREM	57	MINNU SUSAN ELDO
9	ANETTE JOSETTA SEQUEIRA	58	MINU SALILA
10	Anitha Krishnan G	59	MIRIAM SAM
11	ANJALI SOOREJ	60	NAFEESA LAMIA SHAJID



12 ANJANA S

13 ANJANA VINAYAN

14 ANJU MARIA ALEX

15 ANN ALPHONSA JOSEPH

16 APARNA SURESH

17 ARCHANA T

18 ARDHRA ANILKUMAR

19 Arsha A

20 ARYA B. NAIR

21 ARYAT MANOJ

22 ASHLIN TRESSA MATHEW

23 ASHLY RAPHEL

24 ASWATHY ANIL

25 ASWATHY N

26 ATHULLIA JOSE THALIYATH

27 CHARU SOMAN

28 CHITHRALEKHA S KUMAR

29 DEVIKA D

30 Divyaa Sreekumar

31 DIYA DEEPAK

32 Dr. Archana Gupta

33 Dr. Meera M.S.

34 Dr. Rajeswari R

35 Dr. Sheena K

36 Dr.Regi Paul

37 DRISHYA DEEPAK

38 ELEZEBATH RAJU

39 ESHA SHEHZADI N.A.

40 FATHIMA NAZHIN K.A

41 Femi Maria Sebastian

42 Filomina George

43 GIYA MARIAM BIJU

44 IREIN JOSEPH

45 Jisha J

46 JOANA ELZA JOPSON

47 Joby Joy

48 KARTIKA BHUVANESWARAN NAIR

49 LAKSHMI NANDHANA N A

61 NAHITHA PARVIN BR

62 NAINIKA GIRISH

63 NANDANA V

64 NEELIMA K

65 NEENA MATHEWS

66 NEERAJA K

67 NIVEDITHA REGHUNATH

68 Praveen Kamath

69 Praveen Madhavan

70 Priya S

71 Reeja Nair B

72 Remya Raveendran

73 Reshmi Rajan A

74 REVATHY MURALEEDHARAN

75 Rinu Jayaprakash

76 RIYA DAISON

77 RIYA RANZOOL K L

78 Sanal Potty

79 Satheesh Kumar

80 SEBA SABU

81 SEETHA LAKSHMI A V

82 Shyla Krishnakumar

83 SONA SUSAN PAULOSE

84 SONA VARGHESE

85 Sudheer Sudhakaran

86 SUMANA SAI

87 SUSAN ELDHOSE

88 TANIA SHINE

89 THANHA SHAJAHAN

90 Veni Mariadas

91 VIKITHA V PATEL

92 VIOLIN MARIA JOSEPH

93 VRINDA S PADMANABHAN





International Day for the Elimination of Violence against Women

Legacy of a woman- The Cradle of Civilization

Dr Gifty Oommen, Associate Professor, Government Law College Ernakulam

Date & time: 27th November, 2020 @ 4 pm

Platform : Google Meet

The Women's Forum of SCMS - Swara, organized a webinar 'Legacy of a woman- The Cradle of Civilization in connection with International Day for the Elimination of Violence against Women. The webinar was held on 27th November, 2020 in Google Meet and went live on Facebook. The speaker was Dr Gifty Oommen , Associate Professor ,Government law college Ernakulam. It was a general outlook over the victories of women in law making and other issues. - A Woman Empowerment Programme. She spoke on the Legal Dimensions of Women Empowerment and Cybercrime laws for over one hour followed by question answering session. The different penal codes, when to approach the court, what all to be considered etc were discussed. She also motivated the students saying about the power of law for women and that nothing can hinder them from enjoying their life.

Google meet link used for the session https://meet.google.com/xcj-siaw-bsq





Swara

Women forum of SCMS presents

LEGACY OF WOMENTHE CRADLE OF CIVILIZATION



DR. GIFTY OOMMEN
ASSOCIATE PROFESSOR
GOVERNMENT LAW COLLEGE
ERNAKULAM







National Girl Child Day 2021

Date: 18-24 January, 2021

National Girl Child day 2021 is being celebrated across the country on Jan 24 with the objective of raising awareness on the issue of declining Child Sex Ratio (CSR). The celebrations will also mark the anniversary of Beti Bachao, Beti Padhao (BBBP) scheme.

Swara held an online artwork competition for all students in Muttom campus. The theme was "Education, Equality and Empowerment"

The Competitions were as below.

- 1. Pencil Drawing
- 2. Doodle Art
- 3. Painting
- 4. Photography

From the entries, the winners were selected by a panel of three judges. The winners are as follows.

Doodle: Ms.Anjali V K - FK 3576 (PGDM Batch 29)

Pencil Drawing: Ms. Ridha Naduvil Nalakath FBT -719 (BCom 1st tax) and Mr. Nikhil D Johnson

FK-3321 (PGDM B28)

Painting: Ms. Ridha Naduvil Nalakath FBT -719 (BCom 1st tax)

Photography: Nandu Narayanan CA-585 (MCA batch 16)









She may be educated. But she still begs for her freedom and equality.







National Girl Child day on Jan 24, 2021



<u>International Day of Women and Girls in Science</u>

<u>Talk by Dr. Anu Gopinath – "An expedition to Arctic"</u>

Date: 11 Feb 2021

Time: 2 pm @ zoom

Swara, the women's forum of SCMS Group of Educational Institutions organized a talk to celebrate International Day of women and girls in science on February 11, 2021. The speaker for the day was Dr. Anu Gopinath, Assistant Professor in Chemical Oceanography, Department of Aquatic Environment Management, Kerala University of Fisheries and Ocean Studies.

The event was hosted on Zoom platform and started with a welcome speech by Megha V from PGDM Batch 29 by 2pm. Around 240 students from various disciplines- PGDM, MBA, MCA, BCom, BA attended the talk. The guest started her speech along with a presentation which contained the details of her research and Artic expedition through the years. She also talked about the procedures to enrol for an Arctic expedition, her preparation for the travel and the things they had done there and how they lived during their research period. The session was a very interesting one as she showed many pictures of their expedition.

This was followed by a Q and A session where students and faculty members interacted with the guest.

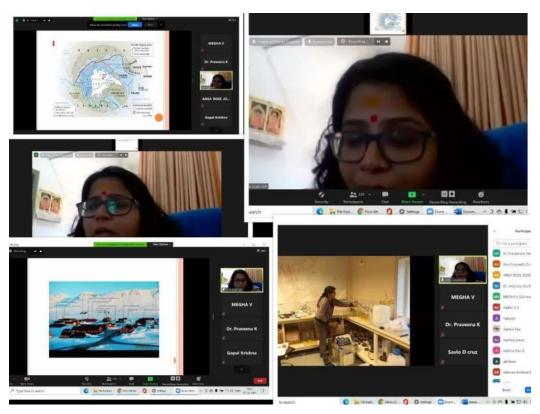
The session was very informative and it encouraged some of the students to enrol for such research or expedition programs and discover the world.

The event concluded with a vote of thanks by Anjali V from PGDM Batch 29 by 3 pm.









International Day of women and girls in science on February 11, 2021



International Women's Day 2021

Venue: SCMS Seminar hall

Time 10 am

International Women's day was celebrated on March 8, 2021 at 10 am at SCMS Muttom campus. Ashley Raphael of MBA batch 17 and Miriam Sam of MBA batch 18 were the hosts for the session. The celebration by swara club began with prayer by Seethalakshmi A V of MBA batch 18. A brief introduction about SCMS and Swara club was given by the hosts. Dr.Radha P Thevanoor, Registrar & Group Director of SCMS group of institutions welcomed the gathering. The session started by an inspirational talk by Dr Ammu S bhaskaran, Sudheendra mission hospital, Ernakulam .She spoke the need to take care of ourselves and about the qualities of a good leader. Then the second speaker for the session Lieutenant commander Ms. Athira spoke about her experience in joining the forces and about the need to empower ourselves. The third speaker for the session was Ms. Rosa Varghese, a dancer and Kalari coach spoke on the need of understanding of arts and thereby enhancing ourselves. The last speaker Ms Namrata khona, trainer spoke on the perceptions about women in leadership and the various factors and perceptions relating with it. Then there was a Question and answer session, which was really interactive .Furthermore ,as a token of love from SCMS group of institutions a memento and bottle art done by students of BCom department was presented to all the four speakers .Vote of thanks was proposed by Dr. Praveena, Associate Professor, SSTM & Swara Coordinator. The session winded up with national anthem by Seethalekshmi A V of MBA batch 18.







International Women's Day Celebrations

Theme: Women in Leadership: Achieving an Equal Future in a COVID-19 World



Dr. Ammu S. Bhaskaran Medical Doctor



Lt.Cdr. Athira Indian Navy



Ms Namrata Khona Samra Director - Nextep Learning Systems



Ms. Rosa Varghese Kalaripayattu Coach & Mohiniyattam Dancer



SCMS GROUP OF EDUCATIONAL INSTITUTIONS

SCMS Campus, Prathap Nagar, Muttom, Aluva, Cochin – 683 106, Kerala, INDIA. https://scmsgroup.org/



എസ്.സി.എം.എസിൽ വനിതാദിനാഘോഷം





SCMS SCHOOL OF TECHNOLOGY AND MANAGEMENT

SCMS Campus, Prathap Nagar, Muttom, Aluva, COCHIN- 683 106. KERALA

Activities conducted relevant to Gender Human Values Professional Ethics Environment and sustainability

2019-20



SCMS SCHOOL OF TECHNOLOGY AND MANAGEMENT, MUTTOM





2019 - 2020

Name of activity / programme	Students care
Date of activity/ programme	June 2
Time	9.30 am - 5.00 pm
Place	Choornikkara Village
Chief Guest	Anwar sadath (MLA, Aluva)
No. of Participants	50



Students care, June 2,2019

അരക്കെട്ടിനു താഴെ നട്ടെല്ലുകൾക്കുണ്ടാകുന്ന ആഘാതം മൂലം കളമശേരി: തളർവാതം കിടപ്പു രോഗികളെയും പരിചരിക്കുന്ന പാലിയേറ്റിവ് കെയർ ബാധിച്ചവരേയും മറ്റു പാരാപ്ലെജിക് യൂണിറ്റായ ചൂർണ്ണിക്കര പഞ്ചായത്തിലെ സൊസൈറ്റിയും 'തണൽ' എസ്.സി.എം.എസ് സ്കൂൾ ഓഫ് ടെക്നോളജി ആൻഡ് മാനേജമെന്റിലെ എൻ.എസ്.എസ്. യൂണിറ്റും ചേർന്നു പ്രവർത്തിക്കുവാൻ ധാരണയായി. 'തണൽ സ്റ്റുഡന് റസ് കെയർ' എന്ന ഈ പദ്ധതി എസ്.സി.എം.എസ് വിദ്യാർഥികൾക്ക് പാലിയേറ്റിവ് രംഗത്ത് പ്രകാരം രോഗീപരിചരണത്തിനുള്ള പരിശീലനം നൽകുകയാണ് ലക്ഷ്യം. അൻവർ സാദത്ത് എം.എൽ.എ പദ്ധതി ഉത്ഘാടനം ചെയ്തു.

Name of activity / programme	"World Environment day". (Exibition on cloth bags)
Date of activity/ programme	June 5
Time	1.30 pm
Place	SCMS Campus
Chief Guest	Dr. Radha P thevanoor (Registrar, SCMS Group)
No. of Participants	150



"World Environment day". (Exibition on cloth bags), June 5,2019







എസ്.സി.എം.എസിൽ തുണി ബാഗുകളുടെ പ്രദർശനം

കള്മശേരി: പരിസ്ഥിതി ദിനാചരണത്തിന്റെ ഭാഗമായി എസ്.സി.എം.എസ്. സ്കൂൾ ഓഫ് ടെക്നോളജി ആൻഡ് മാനേജ്മെന്റിലെ എൻ.എസ്.എസ്. യൂണിറ്റംഗങ്ങൾ രുന്നിയെടുത്ത തുണിബാഗുകൾ പ്രദർശനത്തിന് വേച്ചു: എൻ.എസ്.എസ്. പ്രോഗ്രാം ഓഫീസർ അരുൺകുമാറിന്റെ നേതൃത്വത്തിലായിരുന്നു തുണിബാഗൂകളുടെ പ്രദർശനം രജിസ്ട്രാർ ഡോ. രാധ പി. തേവന്നൂർ ഉദ്ഘാടനം ചെയ്തു.

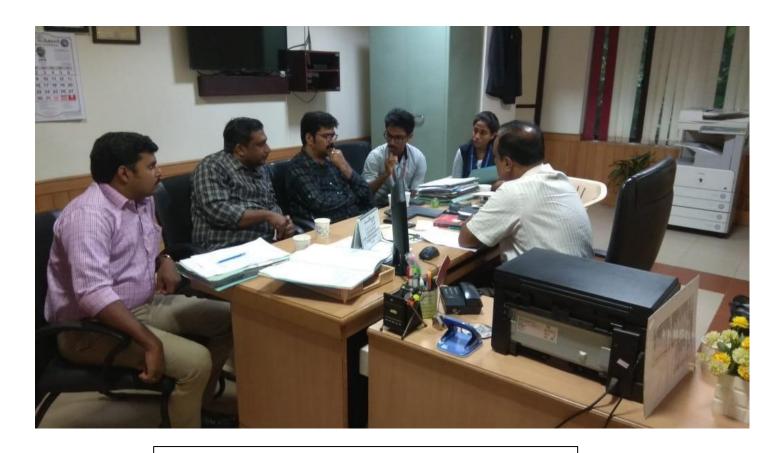




"World Environment day". (Exibition on cloth bags), June 5,2019

കളമശേരി: പരിസ്ഥിതിദിനാചരണത്തിന്റെ ഭാഗമായി എസ്.സി.എം.എസ് സ്കൂൾ ഓഫ് ടെക്നോളജി ആൻഡ് മാനേജ്മെന്റിലെ എൻ.എസ്.എസ് യൂണിറ്റിലെ അംഗ്ങ്ങളുടെ കരവിരുതിൽ തുന്നിയെടുത്തത് 300 തുണി ബാഗുകൾ. കാലങ്ങളായി വീട്ടിലെ അലമാരകളിൽ 'തള്ളാനും കൊള്ളാനും' വയ്യാതെ കുത്തി നിറച്ച് വച്ചിരുന്ന പഴയ ജീൻസ്, പാന്റ്, ഷർട്ട് സാരികൾ, എന്നിവ കൂടാതെയുള്ള തുണിത്തരങ്ങൾ വിദ്യാർഥികൾ പരിസ്ഥിതിക്കനുകുലമായ ഉപയോഗിച്ചാണ് കുറച്ചു സമയം കണ്ടെത്തുവാൻ സാധിച്ചാൽ ബാഗുകൾണ്ടൊക്കിയത്. ആർക്കും ഇപ്രകാരം സ്വന്തം ആവശ്യത്തിനുള്ള ബാഗുകൾ സ്വയം ഉണ്ടാക്കാം. കൊണ്ടുപോകാനും കടയിൽ നിന്നും സാധനങ്ങൾ വാങ്ങാനും ഇവ ഉപയോഗിക്കാമെന്ന് എൻ.എസ്.എസ് പ്രോഗ്രാം ഓഫീസർ അരുൺകുമാർ പറഞ്ഞു. പ്ലാസ്റ്റിക് ബാഗുകളുടെ ഉ്പയോഗം ഇ്പ്രകാരം വീടുകളിൽ നിന്നും പൂർണ്ണമായും ഒഴിവാക്കു്വാൻ കഴിയുമെന്നും വിദ്യാർഥിക്ൾ പ്രതീക്ഷ പ്രകടിപ്പിച്ചു. തുണി്ബാംഗുകളുടെ പ്രദർശനം എസ്.സി.എം.എസ് ഗ്രൂപ്പ് രജിസ്ട്രാർ ഡോ. രാധ്പി. തേവന്നൂർ നിർവഹിച്ചു. വീടും നാടും വൃത്തിയാകാനുപകരിക്കുന്ന ഈ ഉദ്യമത്തിൽ പങ്കെടുത്ത വിദ്യാർഥികളെ പ്രിൻസിപ്പൽ ഡോ. ജി. ശശികുമാർ അഭിനന്ദിച്ചു.

Name of activity / programme	Advisory committee
Date of activity/ programme	June 12
Time	10.30 am
Place	SCMS Campus (Principal's office)
Chief Guest	Nil
No. of Participants	6



Advisory committee, June 12,2019

എസ്.സി.എം.എസ് സ്കൂൾ ഓഫ് ടെക്നോളജി ആൻഡ് മാനേജ്മെൻറ് നാഷണൽ സർവീസ് സ്കീം യൂണിറ്റ് നമ്പർ 130 2019 വർഷത്തെ ആദ്യ അഡ്വൈസറി കമ്മിറ്റി മീറ്റിംഗ് 12/06/2019 ന് പ്രിൻസിപ്പൽ ഡോ.ജി ശശികുമാറിന്റെ അധ്യക്ഷധയിൽ ചേർന്നു.

Name of activity / programme	Disposal free campus, villaga and city (Clean campus green campus)
Date of activity/ programme	June 17
Time	10.00 am
Place	SCMS Campus
Chief Guest	Dr. G Sashi Kumar (Principal)
No. of Participants	50



Disposal free campus, village and city (Clean campus green campus), June 17,2019

വലിച്ചെറിയൽ മുക്ത ക്യാമ്പസ്,ഗ്രാമം,നഗരം പദ്ധതിയുടെ ഉദ്ഘാടനം 17/06/2019 ന് എസ്.സി.എം.എസ് സ്കൂൾ ഓഫ് ടെക്നോളജി ആൻഡ് മാനേജ്മെൻ്ഡ് പ്രിസിപ്പൽ ഡോ. ജി ശശികുമാർ നിർവഹിച്ചു.

Name of activity / programme	Paper bag making
Date of activity/ programme	June 17
Time	10.30 am – 4.30pm
Place	SCMS Campus
Chief Guest	Nil
No. of Participants	50



Paper bag making, June 17,2019

കളമശ്ശേരി: എസ്.സി.എം.എസ് സ്കൂൾ ഓഫ് ടെക്നോളജി ആൻഡ് മാനേജ് മന്റ് നാഷണൽ സർവീസ് സ്കീം യൂണിറ്റ് അംഗങ്ങൾ പ്ലാസ്റ്റിക് മലിനീകരണം കുറക്കുന്നതിന്റെ ഭാഗമായി പേപ്പർ ബാഗുകൾ നിർമിച്ചു വിതരണം നടത്തി. തുടക്കം എന്ന നിലയിൽ 200 ഓളം ബാഗുകൾ നിർമിച്ചു വില് പന നടത്തി. പേപ്പർ ബാഗുകളിൽ ശ്രദ്ധ പിടിച്ചുപറ്റാവുന്ന തരത്തിലുള്ള ചിത്രങ്ങൾ വരച്ചാണ് വോളണ്ടിയേർസ് വിതരണം നടത്തിയത്.



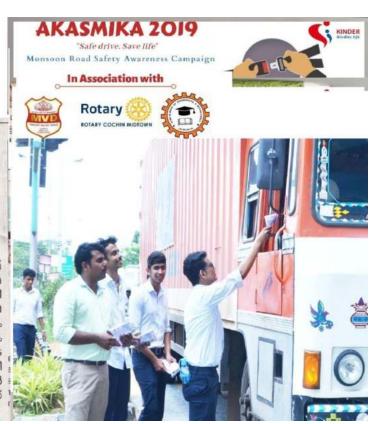
Name of activity / programme	Awareness programme on road safety
Date of activity/ programme	June 18
Time	9.30 am – 12.30 pm
Place	Angamaly to Edapilly national highway
Chief Guest	Nil
No. of Participants	50

Malayala 🅮 Manorama 2000 £ 260002

'ആകസ്മിക 2019': മൺസൂൺ റോഡ് സുരക്ഷാ ബോധവൽക്കരണം

കളമശേരി 🔹 മഴക്കാലത്തുണ്ടാ കുന്ന റോഡപകടങ്ങൾ കുറ യ്ക്കുന്നതിനും സുരക്ഷിതമാ ക്കുന്നതിനും പൊതുജനങ്ങളെ ബോധവാൻമാരാക്കുന്നതിന്റെ ഭാഗമായി മൺസൂൺ റോഡ് സുരക്ഷാ ബോധവൽക്കരണവു മായി 'ആകസ്മിക 2019' സംഘ ടിപ്പിച്ചു. അങ്കമാലി മുതൽ ഇടപ്പ ള്ളി വരെയുള്ള സ്ഥലങ്ങളിൽ

എസ്സിഎംഎസ് സ്കൂൾ ഓഫ് ടെക്നോളജി ആൻഡ് മാനേജ്മെ ന്റിലെ എൻഎസ്എസ് വൊളന്റി യ ഡ്രൈവിങ് ശീലങ്ങൾ പാലി യർമാരും കിൻഡർ മൾട്ടി സ്പെ ഷ്യൽറ്റി ആശുപത്രി സ്റ്റാഹും സംയുക്തമായി 10000ൽ പരം ഡ്രൈവർമാരുമായും കാൽനട യാത്രക്കാരുമായും ആശയവി നിമയം നടത്തി. 21ന് കിൻഡർ ആശുപത്രിയിൽ 2.30ന് റോഡ് സുരക്ഷാ സെമിനാർ നടത്തും.



Awareness programme on road safety, June 18,2019

എസ്.സി.എം.എസ്. സ്കൂൾ ഓഫ് ടെക്നോളജി ആൻഡ് മാനേജ്മന്റ് നാഷണൽ സർവീസ് സ്കീം യൂണിറ്റ് അംഗങ്ങൾ ജൂൺ മാസം 18 ന് രാവിലെ മുതൽ ഉച്ച വരെ അങ്കമാലി മുതൽ ഇടപ്പള്ളി വരെയുള്ള സിഗ്നൽസിൽ പ്രത്യേയകം തയാറാക്കിയ നോട്ടീസ് വിതരണം നടത്തി. 15000 നോട്ടീസാണ് വോളണ്ടിയേഴ്സ് വിതരണം നടത്തിയത് .



Name of activity / programme	Reading day
Date of activity/ programme	June 19
Time	2.30 pm
Place	SCMS Campus
Chief Guest	Fousiya Kalapat and Nikita Baby (Writers)
No. of Participants	150



2019 ജൂൺ 20 • വ്യാഴാഴ്ച **മാത്യഭ്രമി**

വായിച്ചുവളരാൻ...



 എസ്.സി.എം.എസിൽ വായനാദിനത്തിൽ എഴുത്തുകാരി ഫൗസിയ കളപ്പാട്ട് കഥ അവതരിപ്പിക്കുന്നു

Reading day, June 19,2019

കളമശ്ശേരി : എസ് .സി .എം .എസ് കോളേജിലെ നാഷണൽ സർവീസ് സ്കീം യൂണിറ്റിന്റെ ആഭിമുഖ്യത്തിൽ വായനാദിനം സംഘടിപ്പിച്ചു. അക്ഷരങ്ങളെയും വായനയുടെ ലോകത്തെ കുറിച്ചും എഴുത്തുകാരായ ഫൗസിയ കളപ്പാട്ടും, നികിത ബേബിയും സംസാരിച്ചും.

Name of activity / programme	"International Yoga Day".
Date of activity/ programme	June 21
Time	10.30 am
Place	SCMS Campus
Chief Guest	Dr. Ravi Vijay
No. of Participants	50



International Yoga Day, June 21,2019

കളമശ്ശേരി: നാഷണൽ സേവിസ് സ്കീമിന്റെ നേതൃത്വത്തിൽ നടന്ന യോഗ പരിശീലനത്തിൽ കുട്ടികളും അദ്ധ്യാപകരും പങ്കെടുത്തു. യോഗ പരിശീലനത്തിന് ഡോ. രവി വിജയ് നേത്ര്വത്വം നൽകി .നിത്യജീവിതത്തിൽ യോഗയുടെ പ്രാധാന്യം എന്ന വിഷയത്തെ കുറിച്ചുള്ള ബോധവത്കരണ ക്ലാസും നടന്നു.

Name of activity / programme	"World Population Day".
Date of activity/ programme	July 11
Time	11.30 am
Place	SCMS Campus
Chief Guest	Nil
No. of Participants	150



World Population Day, July 11,2019

എസ്.സി.എം.എസ്. സ്കൂൾ ഓഫ് ടെക്നോളജി ആൻഡ് മാനേജ്മന്റ് നാഷൽ സർവീസ് സ്കീം യൂണിറ്റിന്റെ ആഭിമുഖ്യത്തിൽ ലോക ജനസംഖ്യ ദിനത്തിൽ ജൂലൈ 11 ന് കോളേജ് ഹാളിൽ വച്ച് ചിത്ര രചന മത്സരം നടത്തി . 40 ഓളം വിദ്യാർഥികൾ പങ്കെടുത്തത്തിൽ നിന്നും മൂന്ന് ചിത്ര രചനകൾ തിരഞ്ഞെടുത്തു സമ്മാനങ്ങൾ നൽകി.

Name of activity / programme	Road Cleaning
Date of activity/ programme	July 13
Time	7.30 am - 12.30 pm
Place	Muttom to Ambattukavu
Chief Guest	Mr. Suhas (Collector, Ernakulam)
No. of Participants	150



Road Cleaning, July 13,2019

എസ്.സി.എം.എസ്. സ്കൂൾ ഓഫ് ടെക്നോളജി ആൻഡ് മാനേജ്മന്റ് നാഷൽ സർവീസ് സ്കീം യൂണിറ്റും, ജില്ലാ സ്വച്ഛ് ഭാരത് മിഷൻ അംഗങ്ങളും , ചൂർണിക്കര ഗ്രാമ പഞ്ചായത്തും ഹെൽത്ത് മിഷനും ചേർന്ന് ജൂലൈ 13 രാവിലെ 7 മാണി മുതൽ കോളേജിന്റെ ബസ് സ്റ്റോപ്പ് മുതൽ അമ്പാട്ടുകാവ് വരെയുള്ള റോഡിൻറെ ഇരുവശവും വ്യത്തിയാക്കി . എറണാകുളം ജില്ല കളക്ടറുടെ നെത്ര്വത്വത്തിൽ 150 നാഷണൽ സർവീസ് സ്കീം അംഗങ്ങൾ കൂടാതെ 200 സന്നദ്ധ പ്രവർത്തകരും വ്യത്തിയാക്കൽ പരിപാടിയിൽ പങ്കെടുത്തു

Name of activity / programme	Training session on 'Online Cyber Security'
Date of activity/ programme	July 30
Time	11.30 am
Place	SCMS campus
Chief Guest	Nil
No. of Participants	100



Training session on 'Online Cyber Security', July 30,2019

On 30th July 2019, team 'Bodhini' handled a training session on 'Online Cyber Security' for NSS volunteers of SCMS School of Technology and Management. They dealt with topics like sexual harassment, good touch, bad touch etc. They have also conducted an interesting activity based on the above mentioned topic to make the topic more comprehensible to the students.

Name of activity / programme	Swatchatha Pakhwada - Pledge
Date of activity/ programme	August 1
Time	11.00 am
Place	SCMS campus
Chief Guest	Dr. G Sashi Kumar (principal)
No. of Participants	100



Swatchatha Pakhwada - Pledge, August 1,2019

On account of the two-week Swatchatha Pakhwada Program, the NSS volunteers of SCMS School of Technology and Management took an oath on 1st August 2019 to maintain cleanliness in the campus.

Name of activity / programme	Training session on Waste Management
Date of activity/ programme	August 7
Time	11.00 am
Place	SCMS Campus
Chief Guest	Mr. Zacaria Joy, an environment consultant
No. of Participants	100



Training session on Waste Management, August 7,2019

A seminar on Waste Management and Green Protocol was conducted on 7th August 2019 by Mr. Zacaria Joy, an environment consultant working under the Suchitwa Mission, District centre. Around 100 NSS volunteers of SCMS School of Technology and Management participated in the event and an awareness regarding solid water disposal and green protocol was given.

Name of activity / programme	Flood Relief Activities
Date of activity/ programme	August 13 - 15
Time	Full day
Place	SCMS Campus and Ernakulam Collectorate
Chief Guest	Mr. Suhas (Collector, Ernakulam)
No. of Participants	350

STUDENTS CHIP IN TO HELP THE FLOOD AFFECTED

Students of various colleges are actively taking part in flood relief activities by collecting essentials

DC CORRESPONDENT

with the state being hit by the floods for the second time, help is pouring in from different quarters. College students across the state are in the forefront of various relief activities. The NSS volunteers of SCMS School of Technology and Management, Ernakulam, have come forward offering help to the flood victims. They are on a mission to arrange essential materials such as drinking water, bed sheets, blankets,



clothes, rusk, biscuit, bleaching powder, chlorine, rice, sugar, dry fruits, medicines and home utensils. They collected these materials from students. Together, they are doing their bit to bring back

the flood victims' dreams.

Meanwhile, St. Xavier's College
for Women, Aluva, has opened a
collection centre on the campus
which will function till August
18. One can contribute non-per-

ishable food items, medicines, diapers, rice, soap, sanitary napkins, water bottles, sandals, mosquito repellents, unused clothes, toothpaste, brush, utensils, blankets, cleaning items and study

materials.
For more details, contact the
NSS volunteers and NCC cadets,
of the college. Helpline numbers:
989594303.
9487062488.







SCMS campus: flood relief collection centre

Manorama (15 - 8 - 2019)

എന്തിനും സജ്ജമായി കുട്ടായ്മകൾ: നിലയ്ക്കാതെ സഹായ പ്രവാഹം

ദുരിത <mark>മേഖലകളി</mark>ൽ സഹായമെത്തിക്കാൻ യുവുജന കൂട്ടായ്മ പുറപ്പെട്ടു

കളമശേരി • ദുരിത ബാധിതർ ക്കായി കളമശേരി-ഏലൂർ വ്യ വസായ മേഖലയിൽ നിന്നു സഹായപ്രവാഹം. കൊച്ചി സർവ കലാശാല ഒരുക്കിയ കലക്ഷൻ സെന്ററിൽ നിന്നു ഭക്ഷ്യ വസ്തു ക്കളും വസ്ത്രങ്ങളും ശുചീകര ണ സാമഗ്രികളുമടക്കം, 10 ലോഡ് വസ്തുക്കൾ ദുരിതമേഖലയിലേ ക്ക് അയച്ചതായി യുത്ത് വെൽ ഫെയർ ഡയറക്ടർ ഡോ.പി. കെ.ബേബി അറിയിച്ചു. കുസാ റ്റിലെ കലക്ഷൻ സെന്ററിന്റെ പ്രവർത്തനം അവസാനിപ്പിച്ചതാ

എച്ച്എംടി കോളനിയിലെ യു വജന കൂട്ടായ്മ 3 ലോഡ് സാധ നങ്ങൾ എത്തിച്ചു നൽകി. പ്രളയ ദുരിതം നേരിട്ടവർക്കു തന്റെ കട യിലെ മുഴുവൻ വസ്ത്രവും നൽ കിയ വസ്ത്രവുാപാരി നൗഷാ ദ് ഫ്ലാഗ് ഓഫ് ചെയ്തു. ദുരിത മേഖലയിൽ 2 ദിവസത്തെ ശുചീ കരണത്തിനും തയാറായിട്ടാണ് എച്ച്എംടി കോളനിയിൽ നിന്നു യുവാക്കൾ പുറപ്പെട്ടത്.

എച്ച്എംടി ജംക്ഷനിലെ യു വാക്കളുടെ കൂട്ടായ്മ കലക്ഷൻ സെന്റർ തുടങ്ങിയിട്ടുണ്ട്. ഇവിടേ ക്കും ഒട്ടേറെ പേർ സഹായമെ ത്തിക്കുന്നുണ്ട്.

വടക്കൻ ജില്ലകളിലെ പ്രളയദു രിത ബാധിതർക്കായി ഏലൂരിൽ നാലിടത്തു സേവാഭാരതിയുടെ നേതൃത്വത്തിൽ ഉൽപന്ന സംഭ രണ കേന്ദ്രം ആരംഭിച്ചു. മഞ്ഞു

മ്മൽ ശ്രീകൃഷ്ണ ക്ഷേത്രത്തി നു സമീപം ആരംഭിച്ച കേന്ദ്രം ബി എംഎസ് ജില്ലാ പ്രസിഡന്റ് ടി.എ. വേണുഗോപാൽ ഉദ്ഘാടനം ചെ യ്തു.

കളമശേരി ജ്ഞാനസിദ്ധി അയ്യപ്പ ക്ഷേത്രത്തിൽ ഉൽപന്ന ങ്ങളുടെ കലക്ഷൻ സെന്റർ പരി സ്ഥിതി പ്രവർത്തകൻ സി.എം. ജോയി ഉദ്ഘാടനം ചെയ്തു. സെ ന്റർ 17വരെ പ്രവർത്തിക്കും.

പളയമേഖലയിലെ ആലംബ ഹീനമായ കുടുംബങ്ങൾക്ക് ജീ വീതത്തിലേക്കു വഴിയൊരുക്കു ന്നതിന് എസ്സിഎംഎസ് കോ ളജിലെ വിദ്യാർഥികളും അധ്യാപ കരും ജീവനക്കാരും കുടിവെള്ള വും വീട്ടുപകരണങ്ങളും ശുചീക രണത്തിന് ആവശ്യമായ വസ്തു ക്കളും മരുന്നുകളും മറ്റും ശേഖരി ച്ചു തുടങ്ങി.

Flood Relief Activities, August 13-15,2019





District Collector S Suhas (left) receiving the list of necessary requirements prepared by NSS volunteers of SCMS College for the flood affected people in Wayanad and Malappuram



Mon, 19 August 2019 epaper.newindianexpress.com



ചിങ്ങപ്പുലരിയിൽ വയനാടിന് ഓണസമ്മാനങ്ങളുമായി എസ്.സി.എം.എസ്. കുട്ടായ്മ

കളമശ്ശേരി ► വിപുലമായ ആഘോഷങ്ങാ മാറ്റിവെച്ച് ചിങ്ങപ്പുലരിയിൽ പ്രളയബാ ധിതർക്ക് സ്നേഹസ്പർശവുമായി എസ്.സി.എം.എസ്. കോളേജി ലെ വിദ്യാർഥികാം ശേഖരിച്ചത് 5000 പേർക്കുള്ള അവശ്യസാ ധനങ്ങരം

സ്വാതന്ത്ര്യദിനത്തിൽ എല്ലാ വർക്കും സമാധാനത്തോടെയും സംതൃപ്പിയോടെയും ജീവിക്കാനു ള്ള സ്വാതന്ത്വം ഉറപ്പുവരുത്തുക എന്ന സന്ദേശം പ്രാവർത്തികമാ ക്കാൻ കുട്ടികഠം ഒരുമിച്ചപ്പോഠം അരി മുതൽ കുടിവെള്ളം വരെ യുള്ള ക്ഷേണസാധനങ്ങളും കി ടക്ക മുതൽ പായയും പുതപ്പും തലയണയും വരെയുള്ള അത്യാ വശ്യ വസ്തുക്കളും സ്ത്രീകഠംക്കാ യുള്ള അവശൃസാധനങ്ങളും സോപ്പും ചീപ്പും കണ്ണാടിയും അടുക്കള നിറയ്ക്കാനുള്ള പാത്രങ്ങ



🔾 ചിങ്ങപ്പുലരിയിൽ വയനാട്ടിലെ പ്രളയബാധിതർക്കായി സ്വരൂപിച ഓണസമമാനങ്ങൾ തരംതിരിക്കുന്ന എസ്.സി.എം.എസ്. കൂട്ടായ്യ

ളും ഓണക്കോടികളും കാമ്പസി ലേക്ക് നന്മയായി ഒഴുകിവന്നു. എസ്.സി.എം.എസ്. സ്കൂരം

ഓഫ് ആർക്കിടെക്ചർ, എസ്. സി.എം.എസ്. സ്കൂഠം ഓഫ് എൻജിനീയറിങ് ആൻഡ് ടെ ക്നോളജി, എസ്.സി.എം.എസ്. കോളേജ് ഓഫ് പോളിടെക്നി ക് തുടങ്ങിയ സ്ഥാപനങ്ങളി ലും സ്വാതന്ത്ര്യദിനത്തിൽ ഒരുമ യുടെ സമവാക്യം എല്ലാവരും പ്ര തിജ്ഞയാക്കി.

A Flood Relief Collection Centre was open in the SCMS campus after the downpour and disaster that happened in Kerala. The camp was open from 13th to 15th of August and was taken charge by the NSS volunteers of SCMS College. The camp was successful and necessary items around the worth of 1.8 lacs were collected. The students and the teachers contributed and co-operated well and made the camp a worthy or

Name of activity / programme	Students care
Date of activity/ programme	August 28
Time	9.30am – 3.30 pm
Place	Choornikkara Village
Chief Guest	Sri. K K Basheer
No. of Participants	10



Students care, August 28,2019

ആലുവ: കഴിഞ്ഞ പത്തു വർഷമായി പാലിയേറ്റീവ് രംഗത്ത് ജില്ലയിൽ മികവു തെളിയിച്ച തണലിന് കീഴിൽ സ്റ്റുഡന്റ്സ് ഹോം കെയർ പദ്ധതിക്ക് തുടക്കമായി. പുതു തലമുറയെ സാന്ത്വന പരിചരണ രംഗത്തേക്ക് ആകർഷിക്കുന്നതിനാണ് പദ്ധതി വിഭാവനം ചെയ്തിട്ടുള്ളത്. കളമശ്ശേരി കോളേജിലെ എൻ.എസ്.എസ്.യൂണിറ്റിന്റെ എസ്.സി.എം.എസ്. സഹകരണത്തോടെയാണ് തായിക്കാട്ടുകര ആദ്യഘട്ടത്തിൽ നടപ്പിലാക്കുന്നത്. യൂണിറ്റിലെ പദ്ധതി തണൽ വളണ്ടിയർമാരോടൊപ്പം എസ്.സി.എം.എസ് വിദ്യാർത്ഥികളും പങ്കെടുത്ത ആദ്യ ഹോം കെയർ തണൽ ജനറൽ സെക്രട്ടറി കെ.കെ.ബഷീർ ഫ്ലാഗ് ഓഫ് ചെയ്തു. തണൽ തായിക്കാട്ടുകര യൂണിറ്റ് പി.ബി.അലിക്കുഞ്ഞ്, ഭാരവാഹികളായ പി.ശംസുദ്ദീൻ, എസ്.സി.എം.എസിലെ ഓഫീസർ എൻ.എസ്.എസ്. പ്രോഗ്രാം എൻ.എസ്.എസ് അര വളണ്ടിയേഴ്സ് സംബന്ധിച്ചു.

Name of activity / programme	NSS Day Celebration
Date of activity/ programme	September 24
Time	9.30am – 12.30 pm
Place	SCMS Campus to HMT Jn.
Chief Guest	Dr. Radha P Thevanoor
No. of Participants	150



NSS Day Celebration, September 24,2019

As part of the NSS day, a rally was conducted by the NSS volunteers and the students of SSTM on September 24th, 2019. As NSS is an organization founded in the 100th birth anniversary of Gandhiji, the rally had the caption NSS @50 Gandhiji@150 as this year is his 150th birthday. The rally was inaugurated by Dr. Radha P Thevanoor, the Registrar of SCMS group by hoisting the NSS flag. The rally commenced from the college and ended in the HMT junction, Kalamassery where the students performed a street play and a flash mob with the message to stop the violence against women and children. The performances were spectacular and enjoyed by a good crowd. The loading workers and the auto drivers supported the students by arranging public space for performances.





എൻഎസ്എസ് രൂപീകരണത്തിന്റെ സുവർണജൂബിലി ആഘോഷ ങ്ങളുടെ ഭാഗമായി എസ്സിഎംഎസിലെ വിദ്യാർഥികൾ കളമശേരി എച്ച്എംടി ജംക്ഷനിൽ അവതരിപ്പിച്ച ഫ്ലാഷ്മോബ്.

എൻഎസ്എസ് സുവർണജൂബിലി: വിദ്വാർഥികൾ പദയാത്ര നടത്തി

കളമശേരി ● മഹാത്മാഗാന്ധി യുടെ 150-ാം ജയന്തി വർഷത്തി ന്റേയും എൻഎസ്എസ് രൂപീക രണത്തിന്റെ സുവർണ ജൂബിലി ആഘോഷത്തിന്റെയും ഭാഗമായി എസ്സിഎംഎസ് സ്കൂൾ ഓഫ് ടെക്നോളജി ആൻഡ് മാനേജ്മെ ന്റിലെ എൻഎസ്എസ് വിദ്യാർഥി കൾ പദയാത്രയും തെരുവുനാട കവും ഫ്ലാഷ്മോബും നടത്തി.

എസ്സിഎംഎസ് റജിസ്ട്രാർ ഡോ.രാധ പി.തേവന്നൂർ പതാക യെർത്തി. എച്ച്എംടി ജംക്ഷനിൽ സ്ത്രീ കൾക്കും കുഞ്ഞുങ്ങൾക്കും എതി രെയുള്ള പീഡനങ്ങൾക്കെതിരെ 'ഞങ്ങളെ ജീവിക്കാൻ അനുവദി ക്കൂ, ദ്രോഹവും പീഡനവും അവ സാനിപ്പിക്കൂ ' എന്ന സന്ദേശവു മായി നാടകവും ഫ്ലാഷ്മോബും അവതരിപ്പിച്ചു.

എൻഎസ്എസ് യൂണിറ്റ് പ്രോ ഗ്രാം ഓഫിസർ എം.അരുൺകു മാർ, ലെയ്സൺ ഓഫിസർ പി .എം.എ.ലത്തീഫ് എന്നിവർ നേ

തൃത്വം നൽകി

NSS Day Celebration, September 24,2019



Name of activity / programme	Three Day Residential Camp
Date of activity/ programme	September 27,28,29
Time	Full day
Place	SCMS Campus
Chief Guest	Dr. K G Radhakrishnan 9Govt. Medical college, Thrisur)
No. of Participants	50



Three Day Residential Camp, September 27,28,29,2019

A 3-day residential NSS camp was conducted in SSTM which had around 50 NSS volunteers as participants. The students were involved in physical and intellectual activities during the three days. On the first day, Dr.K.G Radhakrishnan from Government Medical College, Thrissur talked on lifestyle diseases. On the second day, They also were given opportunity to explore paddy fields where they planted paddy seedlings. On the third day, a session on 'Motivation and Leadership' was handled by Mr. Anson Kurumpamthuruth, a proficient teacher trainer of BRC Angamaly.







Three Day Residential Camp, September 27,28,29,2019

Name of activity / programme	Blood donation
Date of activity/ programme	September 30
Time	9.30am – 12.30 pm
Place	SCMS Campus
Chief Guest	Dr. G Sashi Kumar (Principal)
No. of Participants	50



Blood donation Camp, September 30,2019

A blood donation camp was opened in SSTM campus under the banner of NSS on September 30th. The camp was conducted in collaboration with IMA. Around 50 students from SSTM donated blood on the day.

Name of activity / programme	Cartooning Competition and Cleaning at Kattepadam "Gandhiji@150"
Date of activity/ programme	October 1, 2
Time	9.30am – 12.30 pm
Place	SCMS Campus, Choornikkara village
Chief Guest	Nil
No. of Participants	50





Cartooning Competition and Cleaning at Kattepadam "Gandhiji@150", October 1,2,2019

ചൂർണിക്കരയിൽ നന്മയുടെ അടയാളവുമായി വിദ്വാർഥിക്കൂട്ടം

ആലുവ: മാലിനും കൊണ്ട് നിറഞ്ഞ ചൂർണിക്കര പ ഞ്ചായത്തിലെ കട്ടേപ്പാടം നെൽ ക്കൃഷിയിടം വൃത്തിയാക്കി പരി സരത്ത് പൂന്തോട്ടവും നിർമിച്ച് എസ്സിഎംഎസ് വിദ്യാർഥിക്കു ട്ടം. കഴിഞ്ഞ മാസം ആലുവ സെ ന്റ് സേവ്യേഴ്സ് കോളജ് വിദ്യാർ തഥികൾ ഇതേ മേഖല വൃത്തിയാ ക്കിയെങ്കിലും രണ്ട് ദിവസത്തി നുള്ളിൽ വീണ്ടും കൊണ്ട് നിറ ഞ്ഞിരുന്നു.

പരിസരപ്രദേശങ്ങളിലും അ ടിഞ്ഞു കൂടിയിരുന്ന മാലിനൃങ്ങ ൾ മാറ്റി ശുചീകരിച്ചത് കൂടാതെ പാടശേഖരത്തിൽ മനോഹരമാ യ പൂന്തോട്ടം നിർമിക്കാനും വിദ്യാർഥികൾ വരമ്പിലിറങ്ങി.



ചൂർണിക്കര പഞ്ചായത്തിലെ കട്ടേഷാടം വൃത്തിയാക്കാനെത്തിയ എസ്സിഎം എസിലെ എൻഎസ്എസ് വോളണ്ടിയ ർമാരും ഉന്നത് ഭാരത് അഭിയാൻ അംഗങ്ങളും.

എസ്സിഎംഎസ് സ്കൂൾഓഫ് ടെക്നോളജി ആൻഡ് മാനേജ് മെന്റിലെഅധ്യാപകരും വിദ്യാർ ഥികളുമാണ്.

എൻഎസ്എസ് സഹവാസ ക്യാമ്പിലെ വോളണ്ടിയർമാരും കേന്ദ്ര മാനവവിഭവശേഷി വകു പ്പിന്റെ കീഴിലുള്ള ഉന്നത് ഭാരത അഭിയാനും ഉദൃമത്തിൽ പങ്കാ ളികളായി.

കട്ടേപ്പാടത്തെ യുവ ജനങ്ങളു ടെ കൂട്ടായ്മയായ 'അടയാളം' സംഘടനയുടെ പ്രവർത്തകരാ ണ് ഗ്രാമ പഞ്ചായത്തിന്റെയും കൃഷി വകുപ്പിന്റെയും മേൽനോ ട്ടത്തിൽ തരിശുഭൂമിയായിരുന്ന പാടശേഖരത്തിൽ നെൽകൃഷി ക്ക് തയാറെടുപ്പ് നടത്തിയത്.



Cartooning Competition and Cleaning at Kattepadam "Gandhiji@150", October 1,2,2019

As part of the Gandhiji@150, NSS conducted a cartooning competition with the topic "Gandhiji and ideologies" on October 1st, 2019 at the SSTM MBA hall. and the students were taken to Kattepadam in Choornikara panchayat where they were involved in converting unclean area into clean beautiful gardens.



Name of activity / programme	Anti-Corruption Oath
Date of activity/ programme	October 31
Time	9.30am
Place	SCMS Campus
Chief Guest	Mr. Rajeev Kumar(manager, Union Bank, Kalamassery)
No. of Participants	150



Anti-Corruption Oath, October 31,2019

As part of creating awareness about corruption and vigilance, an oath-taking ceremony was conducted in the SCMS MBA hall on 31st October. The students gathered at the hall at 9.30 am. Dr. Sashikumar, the principal of SSTMs enlightened the students on vigilance and anti-corruption. The oath was read out by Mr. Rajeev Kumar, the branch manager of Union Bank, Kalamassery. The program lasted for only 30 min and came to an end by 10 am.

Name of activity / programme	Constitution Day celebration
Date of activity/ programme	November 26
Time	11.30am - 2.30pm
Place	SCMS Campus
Chief Guest	Adv. N Jagath (High court, Kerala)
No. of Participants	100



Constitution Day celebration, November 26,2019

As part of the Indian Constitution Day, the NSS of SSTM organised a telecast of a live LokSabha session. The Prime Minister and the president spoke about our constitution which is one of the best written constitutions in the world. The students were also given a talk in the afternoon session by Adv. N. Jagath (Highcourt of Kerala) and he enlightened the students on the various aspects and history of our constitution.

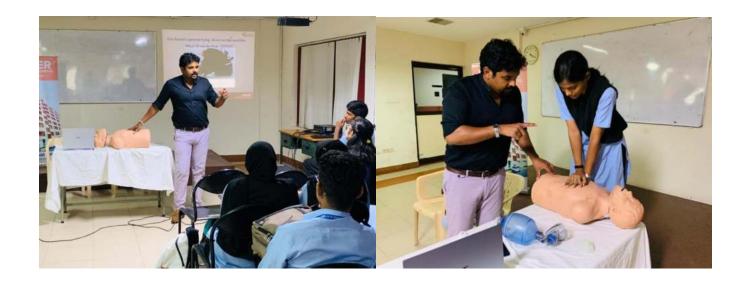
Name of activity / programme	Pre awareness camp on Stem cells donation
Date of activity/ programme	December 18
Time	11.30am - 12.30pm
Place	SCMS Campus
Chief Guest	Sri. Haris (Member, Dhatri NGO)
No. of Participants	50



Pre awareness camp on Stem cells donation, December 18,2019

A Pre-Awareness camp was conducted by the Dhatri NGO regarding the importance of stem cell donations to the NSS volounteeers of SCMS School of Technology and Management on 18 th December 2019. The session had a talk by Mr.Harris, a member of Dhathri NGO. The students were provided an awareness of the importance of donating stem cells for the future.

Name of activity / programme	Basic life Support Awareness
Date of activity/ programme	January 15
Time	2.30pm - 4.30pm
Place	SCMS Campus
Chief Guest	Dr. Vinod C Cherian (Kinder Hospital, Edapilly)
No. of Participants	50



Basic life Support Awareness, January 15,2020

A session on Basic life support skills (first aid) was given by Dr. Vinod C Cheriyan, Kinder Hospital, Edapally. The session was organized by the SCMS NSS Unit. The students were given practical classes on how to give the right kind of aid in case of a medical emergency. The session was held on January 15, 2020 at the SSTM MBA hall. The session started at 2.30 pm and came to a close by 4.30 pm. Around 50 students participated in the session.

Name of activity / programme	Fire and Safety Awareness Session
Date of activity/ programme	March 5
Time	11.30am - 1.00pm
Place	SCMS Campus
Chief Guest	Mr. Ramakrishnan T.B (Station officer, Fire and Rescue, Eloor)
No. of Participants	120



Fire and Safety Awareness Session, March 5,2020

A session on fire and safety awareness was conducted by the NSS unit of SCMS School of Technology and Management on 5th of March 2020. The session was handled by Mr. Ramakrishnan T.B (Station officer, Fire and Rescue, Eloor). Almost 120 students participated in the session. The program took place at the SSTM MBA hall.



Name of activity / programme	Eye Checkup
Date of activity/ programme	March 6
Time	9.30am - 4.00pm
Place	SCMS Campus , MBA Hall
Chief Guest	Dr. Vishnu S Nair(Lotus Eye Care Hospital)
No. of Participants	87



Eye Checkup, March 6,2020

The NSS Unit of SCMS School of Technology and Management in collaboration with Lotus Eye Care Hospital, Kadavanthra conducted a free eye checkup campaign on 6th March 2020. The check-up was headed by Mr. Vishnu S Nair and around 87 students and staff got their eyes checked for free. The check-up was held in the SSTM MBA hall.



Name of activity / programme	Mending the Nursery School
Date of activity/ programme	March 7,8,9
Time	9.30am - 4.00pm
Place	Choornikkara Panchayath, 14th Ward
Chief Guest	Nil
No. of Participants	20



Mending the Nursery School, March 7-9,2020

The NSS unit of SCMS School of Technology and Management helped to reconstruct a nursery school that was destroyed in the Kerala floods. The nursery school belonged to the 14th ward of the Choornikkara panchayath. Around 20 NSS volunteers participated in bringing back life to the nursery school. They cleaned and mended the premises and drew graffiti in the walls of the nursery and turned the building into a spectacular one. The works were completed in three days.

REPORT ON THE SHORT FILM 'AKSHATHA' AND THE MUSIC BAND 'SEVENTH HEAVEN'

The B.Com and B.A Departments of SCMS School of Technology and Management (SSTM) organized a Short film 'Akshatha' and a music band 'Seventh Heaven' on 28th June 2019 as part of the women's cell of the college, to acknowledge the greatness and uniqueness of women all over the world. The program was coordinated by Ms. Annie Thomas and Ms. Rose Paul.

The programme started off with an introductory speech by the principal, Dr.G.Sashikumar. He spoke on various accomplishments of women and how gender uniformity has accelerated in the past few years. It was followed by yet another speech by Gayatri Mayadas who represented the women's cell department.

The next session was the projection of the short film named 'Akshatha' which was directed by students themselves. The short movie Akshatha was a compilation of three different short stories in which the students themselves enacted various roles to show their expertise and skill in acting and direction. Tax A of the B.Com department came up with the short film *Athirukal Illathe* directed by Afrin Shiyas. *Adway* was the short film done by Tax B and B.A Economics under the direction of Fahad Ali. B.Com Computer Applications did a funny yet thought provoking short film *Amma* directed by Tony and Ashik. The movie Akshatha was based on a women oriented subject, as it was an initiative by the women's cell of the college. This programme became a big success and was happily welcomed by the audience.

The last event of the day was a music band organized by the music band of B.Com and B.A named *Seventh Heaven*. The band came up with its vibrant idea of portraying the popular songs sung by various female singers who gave tremendous contributions to the music world. The whole room was filled with the aroma of music and the singers and artists on the stage did their best to elevate the mood of the audience. A power point presentation was set up in the room which displayed the pictures of all the popular female singers of the world.

The programme came to end by the deliverance of a vote of thanks by Adhipa. Overall, the program went well with its objective to empower women and to make them feel appreciated and valued. The program was led forth by the anchoring team which included Jimith Vargheese, Remya Joseph, Aiswarya Sajeevan and Denny Shaji Abraham. Moreover, the efforts of all the people who worked on and off the stage were also acknowledged by the anchoring team. In short, the whole program made sure that the day truly deserved to respect the entire female fraternity of the world.





Know Your Rights- Josh Talks

Swara had Ms. Anmol Kohli, Josh talks addressing the MBA & MCA students on "Know your rights" on July 16,2019.

Josh talks partnered with ITC Vivel as a part of its brand philosophy <u>Ab Samjhauta Nahin</u> (No more compromises) introduced 'Know Your Rights' with the objective to change the collective consciousness through an increased perceptiveness on gender-sensitive issues; enable gender-responsive actions at a personal level and _build confidence through the knowledge of rights.

The topics covered were

- 1. The fundamental duties & rights
- 2. Gender Equality
- 3. Legal rights
- 4. Cyber safety

The session was very fruitful and informative as students were given the basic information on the fundamental duties and rights and the legal aspects. The students had an interactive session with the speaker.







"Know your rights" Josh Talks on July 16,2019





Session by Ms. G Poonguzhalli, IPS

On behalf of "Swara", on 3rd December 2019, a talk was conducted about a burning issue of today's context "**Women the Hunted Lot**". Ms. G Poonguzhalli, IPS, Deputy Commissioner of Police, Law and order and Traffic, Kochi city was the Chief guest for the talk.

Ms. G Poonguzhalli, a native of Karur, Tamil Nadu is an Electronics Engineering graduate and a 2014 IPS cadre officer. In June 2019 Ms. G Poonguzhalli was posted as Kochi City Deputy Commissioner. Since then she has organized various programs such as "awareness of world heart day" on behalf of Kerala police. Ms. G Poonguzhalli is actively involved in various activities related to women and child safety.

During the session organized by Swara, Ms. G Poonguzhalli engaged the audience by making everyone aware about the women safety. She believes that women are not realizing the inner potential among themselves. She mentioned about the hesitation women have on raising their voice when some intolerable incidents happen. She also pointed out that the responsibility lies with everyone in a society. There is a need to change the mindset of individuals in a society. People need to be more empathetic rather than just being observers of offences. Talking about the importance of self-defense program, she mentioned that such programmes make people aware about how to respond to a situation and also boost the individuals' confidence. According to her "Women empowerment is not doing protest, it is about asserting your rights, for that you need to know what are the rights".

The session was informative, highly interactive and gave new insights to all the audience. The session was concluded with a vote of thanks followed by National Anthem.









Session by Ms. G Poonguzhalli, IPS on 3rd December 2019





Session on awareness of Cervical cancer and prevention By Dr.Anupama R

DATE : 28th January, 2020

As part of Cervical Cancer Awareness Month, the Swara - Women Cell of SCMS had organized a talk on Cervical Cancer was held at SCMS PGDM Seminar Hall on 28th January 2020. The Chief Guests for the day was Ms. Suja Nair, Secretary of CANSERVE, Dr. Anupama R, Clinical Professor, Gynecology Oncology Department, Amrita Institute of Medical Sciences and Dr. Lipy, Clinical Professors, Gynecology, Amrita Institute of Medical Sciences.

Anchal (chairperson, SWARA) detailed the objectives of Swara and welcomed the chief guests and the gathering. Then Ms. Suja Ma'am detailed about CANSERVE, and what they do for the community. Dr. Anupama gave us an introduction about Cervical Cancer. Dr. Lipy explained about what is Cervical cancer, what are the symptoms of cervical cancer, how they can be prevented, the screening test required for diagnosing cervical cancer, and the dosage of vaccine to be taken by the students of age between 18 - 25 years of age.

The session started with pre-assessment of students about cervical cancer. Each student and teacher had to answer 15 questions asked by them. After answering the questions, Dr. Lipy covered all the points that were asked as questions in the pre-assessment. After the session, a post assessment was taken from the gathering to know how effective was the session to the students and the teachers.

After the question & answer session, a token of gratitude was gifted to the team by Dr. Indu Nair. Ashly of MBA batch 17 proposed vote of thanks and concluded the session.









Session on awareness of Cervical cancer and prevention By Dr. Anupama R on $28^{\rm th}$ $\,$ January, 2020



Session on personal and menstrual hygiene Dr. Karthika, Cimar Hospital

Date: 14 Feb 2020

Time: 2 pm

SWARA organized an interactive session for MBA students with Dr. Karthika, Gynaecologist, CIMAR hospital, Edapally. She gave a general awareness on menstrual hygiene. She focussed on menstrual diseases, and the various symptoms of menstrual disorders. Students were given symptoms of PCOD which are excess hair growth, obesity, irregular cycles etc. She also gave many tips related to healthy diet by not skipping breakfast. The current generation is consuming more junk food, so it is very important to have a healthy diet and daily exercises. She emphasised that it's not about how slim and fat a person is, it's all about health and how you maintain it.

She concluded by saying that to have a normal cycle its necessary to have healthy diet and do engage yourself with physical activities. And she also had a question answer session which helped the students to clear their doubts. The students had many doubts which were very clearly explained by Dr. Karthika.



Session on personal and menstrual hygiene Dr. Karthika, Cimar Hospital, $14^{\rm th}$ Feb, 2020







Session on personal and menstrual hygiene Dr.Karthika, Cimar Hospital, 14th Feb, 2020





Self defense workshop and womens' day celebrations (8th March 2020- 14th March 2020)

In connection with international women's day, Swara- the women's cell of SCMS had different programmes in the campus.

One was a self defence kalari workshop for the girls in our campus led by Ms.Rosa Varghese, Ms.Sajitha Menon and Dr.Praveena K, Associate Professor- SSTM. All are learning Kalari at Sree Agasthya Kalari, Kochi under Sivan Gurukkal. The students were given easy tips to defend themselves from attacks they face.

Second was organised by the members of SWARA for the UG students. It was a competition for girls for the best personality. Ms. Neha of Bcom was judged as Ms. Swara while Ms. Gopika, IMCA became the runnerup.

Third was a poster by the caption "How many men will give wings to women". The poster was kept at atrium and the boys who are ready were to colour the wings.









Self defense workshop and womens' day celebrations (8th March 2020- 14th March 2020)





International Women's Day 2020

Venue: SCMS seminar hall

Time: 10.00 am

International Women's Day was celebrated on Sunday, 8th March 2020 at the SCMS Muttom campus, with a team of women alumni of SCMS - Dr. Julie Sunil (Associate Professor at Ramaiah Institute of Management Studies), Dr. Suja Karthika (Founder and Chief Trainer at Excellar Training), Ms. Tany K. Nadackal (Manager - Credit, HDFC Limited), Ms. Aiswarya Muraleedharan (Manager, South Indian Bank Limited) and Salini Vijaykumar (Assistant Director in Malayalam Cinema).

The programme started by a presentation on the theme by the girls of PGDM b28 and MBA b17. The boys in the campus welcomed our panelists for the day with a handmade bouquet of flowers in our campus made by our MBA students. This was followed by a panel discussion on equal opportunities for women by the alumnae. The panelists first gave an introduction of their journey of career after SCMS. The major focus for the discussion was equality at work place and equality in general. Dr. Julie said that overcoming our own mind set to overcome the limitations to achieve what we had dreamt is the major challenge faced by ladies and to have the conviction that you should always be getting what you deserve with your competency. She said that there are no gender roles to play that men have to do certain things and women some other but instead whatever value we create together we should share together equally. Ms. Tany said about the challenges a women face balancing both her family and work. She also thanked our group director Radha Mam on providing valuable advice and support at the right time for continuing her career after having a kid - balancing both family and work together. Dr. Suja Karthika threw in some statistics to say that inequality is a reality and if we don't see any inequality in our near neighbourhood doesn't mean that this doesn't exist in society. She said that the ladies should have economic independence and this the only way by which ladies will be treated equal. Ms. Aiswarya, who works in SIB said that at her work place a large percentage are ladies and they have a lot of women leaders. She said that women should empower themselves



and should be wiling to be risk takers to keep themselves happy. Ms. Shalini said about her journey of transformation from being a mediocre students to a national award winning RJ and presently an Assistant Director of a movie. The discussion ended with a message that all women are to nurture their dreams and all have to realize that equal opportunity for women is a global issue. All have to share our hands together and pass on our help even to the lower strata of the society and for the needy. The students had a good interactive session with the panelists. Dr.Radha P Thevannoor & Dr.Filomina P George presented the mementos which are recycled glass bottles painted by our BCom students to the alumnae. #each for equal





International Women's Day 8/03/2020





SCMS SCHOOL OF TECHNOLOGY AND MANAGEMENT

SCMS Campus, Prathap Nagar, Muttom, Aluva, COCHIN- 683 106. KERALA

Activities conducted relevant to Gender Human Values Professional Ethics Environment and sustainability

2018-19



SCMS SCHOOL OF TECHNOLOGY AND MANAGEMENT, MUTTOM

NATIONAL SERVICE SCHEME UNIT NO.: 130



2018 - 2019

Name of activity / programme	World Environment Day
Date of activity/ programme	June 5
Time	10.30 am
Place	SCMS Campus
Chief Guest	sri. Anto joseph (Deputy range forest officer, Kodanadu).
No. of Participants	50



World Environment Day, June 5, 2018

As part of World Environment Day, the NSS unit of SSTM introduced a campaign named "Sahapadikkoru Phalavriksham". The programme was inaugurated by sri. Anto joseph (Deputy range forest officer, Kodanadu). The session was presided by Dr. G Sashikumar (Principal, SSTM). Mrs. Latha K (HOD, Commerce) and Mr. Arunkumar M (NSS Programme Officer) were part of it.

Name of activity / programme	Reading Day
Date of activity/ programme	June 19
Time	10.00 am
Place	SCMS Campus
Chief Guest	Dr Ananthanarayanan, scientist and former director NPOL
No. of Participants	100



Photo: Reading Day Celebrations at SCMS being inaugurated by Dr Ananthanarayanan, scientist and former director NPOL.

The Reading Day celebration at SCMS college organized by the College NSS unit was inaugurated by Dr Ananthanarayanan, scientist and former director NPOL. The session was chaired by Dr G Sashikumar and felicitated by Dr Sherin Mariam Alex, (Vice Principal), Ms Latha K (HOD), Rijoy Jio Antony(SCMS student and author) and NSS volunteers Jimmin Susan Philip and Aiswarya.

Name of activity / programme	Orphanage visit
Date of activity/ programme	June 21
Time	1.30 pm
Place	Santhwanam Charitable Trust ,Kalamassery
Chief Guest	Nil
No. of Participants	50



Orphanage Visit, June 21, 2018

As part of the reading day celebrations, NSS volunteers took an initiative to gift books, beds, food and an amount of Rs.6,600 to Santhwanam Charitable Trust. The volunteers interacted with the residents of the orphanage and made the day memorable.



Name of activity / programme	International Yoga Day
Date of activity/ programme	June 21
Time	11.00 am
Place	SCMS Campus
Chief Guest	Mr.Vimal Krishna
No. of Participants	100



International Yoga Day, June 21, 2018

As part of the 'International yoga day', a practical session on yoga was conducted on 20th June 2018 under the guidance of Yoga master Mr.Vimal Krishna. Various Yogasanas were taught to the NSS Volunteers and Faculty members. It was a memorable and interactive session for the participants.



Name of activity / programme	Awareness Programme on Blood Donation
Date of activity/ programme	June 28
Time	02.00 pm
Place	SCMS Campus
Chief Guest	Mr. Victor K P (District Hospital Blood bank councilor, Aluva).
No. of Participants	100



Awareness Programme on Blood Donation, June 28, 2018

As part of the 'International blood donation day', a blood donation awareness program was conducted by the National Service Scheme(unit No:130) of SCMS School of Technology and Management on 28th June, 2018 under the guidance of Mr. Victor K P (District Hospital Blood bank councilor, Aluva). An awareness about the different types of blood groups, Aids control and safety measures , blood transmission etc.. was made..



Name of activity / programme	Formation of Anti -Narcotic Club
Date of activity/ programme	July 9
Time	10.00 am
Place	SCMS Campus
Chief Guest	Mr.Sudheer(Circle inspector of Excise, Aluva)
No. of Participants	100



Formation of Anti -Narcotic Club, July 9, 2018

An anti-narcotic club was formed on 9th July,2018 on behalf of the NSS unit of SSTM under the direction of Kerala State Excise Department.An informative session was held by Mr.Sudheer(Circle inspector of Excise,Aluva) and Mr.Ummer(Preventing officer,Excise).



Name of activity / programme	Challenge Cancer
Date of activity/ programme	July 20
Time	10.00 am
Place	SCMS Campus
Chief Guest	Dr. Alexander Jacob IPS, Sri. Devan (Cine Artist)
No. ofParticipants	150



Challenge Cancer, July 20, 2018

Challenge cancer programme was conducted at campus and the programme was inagurated by Dr. Alexander jacob and Sri. Devan.150 volunteers participated in this programme .



Name of activity / programme	RAIN HAVOC: NSS VOLUNTEERS OFFER RELIEF.
Date of activity/ programme	August 13
Time	10.00 am
Place	Red FM Kochi unit
Chief Guest	RJ Nitha.
No. of Participants	50



RAIN HAVOC: NSS VOLUNTEERS OFFER RELIEF, August 13, 2018

Kalamassery: The NSS volunteers from Kalamassery SCMS college set a brilliant example of social service by handing over clothes and other utilities for the rain hit people to Red FM Kochi unit RJ Nitha.



Name of activity / programme	Scms to rebuild kadamakkudy
Date of activity/ programme	September 13,14,15,17
Time	9.30 am – 4.30 pm
Place	Kadamakkudi Panchayat
Chief Guest	Nil
No. of Participants	130



SCMS students taking part in the survey at Kadamakkudy, Sep13-17, 2018

A survey for rebuilding 3000 flood damaged houses at Kadamakkudi Panchayat which comes under the Kanayannur Taluk was conducted as part of the Rebuild Kerala Project initiated by the Govt of Kerala. The survey was conducted by 130 NSS volunteers of SCMS School of Technology and Management. It covered 9 wards in 3 days under the leadership of Bipin PV and assisted by 3 liaison officers. The students were given proper guidance by NSS Program Officer Arun Kumar and faculty members Mariadas Roni, and Satheesh P S of SCMS.



Name of activity / programme	Chekutty making workshop
Date of activity/ programme	October 15
Time	9.30 am – 4.30 pm
Place	SCMS Campus
Chief Guest	Nil
No. of Participants	50

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Chekutty making workshop, October 15, 2018

The NSS volunteers of SCMS College were making the 'Chekutty' making workshop on 15/10/2018 from the clothes from chennamangalam damaged handloom center and this was a help to the handloom center to rebuild the unit



Name of activity / programme	Blood donation camp
Date of activity/ programme	October 19
Time	10.00 am
Place	SCMS Campus
Chief Guest	Dr. C. N Narayana
No. of Participants	50



Blood donation camp, October 19, 2018



Name of activity / programme	Survey at Choornikkara Panchayat		
Date of activity/ programme	October 29		
Time	9.30 am		
Place	SCMS Campus		
Chief Guest	Nil		
No. of Participants	70		



Survey at Choornikkara Panchayat, October 29, 2018

A survey for rebuilding houses at Choornikkara Panchayat was conducted as part of the Rebuild Kerala Project initiated by the Govt of Kerala on 29/10/2018. Survey was conducted by 70 NSS volunteers of SCMS School of Technology and Management. It covered 4 wards in 1 day.



Name of activity / programme	Eye Testing Camp	
Date of activity/ programme	October 24	
Time	10.00 am	
Place	SCMS Campus	
Chief Guest	Nil	
No. of Participants	50	



Eye Testing Camp, October 24, 2018

എസ്.സി.എം.എസിൽ സംഘടിപ്പിച്ച നേത്ര പരിശോധനാ ക്യാമ്പ്

കളമശേരി: എൻ.എസ്.എസ് യൂണിറ്റിന്റെയും ലോട്ടസ് ഐ ആശുപത്രിയുടെയും ആഭിമുഖ്യത്തിൽ എസ്.സി.എം.എസ് സ്കൂൾ ഓഫ് ടെക്നോളജി ആൻഡ് മാനേജ്മെന്റിൽ 24/ 10 / 2018 ബുധനാഴ്ച വിദ്യാർഥികൾക്കായി നേത്ര പരിശോധനാ ക്യാമ്പ് സംഘടിപ്പിച്ചു. വിദ്യാർഥികൾ അധ്യാപകർ, ജീവനക്കാർ എന്നിവർ പങ്കെടുത്തു.നേത്ര രോഗ വിദഗ്ധൻ ഡോ. അനിൽ ബി. ദാസ് നേതൃത്വം നൽകി.



Name of activity / programme	Awareness Programme on Online Cyber Security	
Date of activity/ programme	October 16	
Time	10.30 am	
Place	SCMS Campus	
Chief Guest	Dr. G Sashi Kumar	
No. of Participants	50	



Awareness Programme on Online Cyber Security, October 16, 2018

The NSS units of SCMS College conducted an awareness programme on the topic "Online cyber security" on 16/10/2018. The session was handled by the Bodhini group.



Name of activity / programme	Workshop on Eradicate Corruption – Build A new Indi		
Date of activity/ programme	November 10		
Time	10.30 am		
Place	SCMS Campus		
Chief Guest	M . Surendran (CI , Vigilance)		
No. of Participants	100		



Workshop on Eradicate Corruption - Build A new India, November 10, 2018

കളമശേരി: സംസ്ഥാന വിജിലൻസ് വകുപ്പിന്റെ ആഭിമുഖ്യത്തിൽ സമസ്ത മേഖലകളിലും അഴിമതി തുടച്ചുമാറ്റുന്നതിൽ യുവജനങ്ങളുടെ മുഖ്യപങ്കിനെ ആസ് പദമാക്കി ബോധവൽക്കരണ പ്രഭാഷണം സംഘടിപ്പിച്ചു. എസ്.സി.എം.എസ് സ്കൂൾ ഓഫ് ടെക്നോളജി ആൻഡ് മാനേജ്മെന്റിലെ എൻ.എസ്.എസ് യൂണിറ്റിന്റെ നേതൃത്വത്തിൽ നടന്ന പരിപാടിയിൽ വിജിലൻസ് ആൻഡ് ആന്റികറപ്ഷൻ ബ്യുറോ സർക്കിൾ ഇൻസ്പെക്ടർ എം. സുരേന്ദ്രൻ മുഖ്യപ്രാഭാഷണം ന

Name of activity / programme	Awareness programme on Breast Cancer		
Date of activity/ programme	December 14		
Time	02.30 pm		
Place	SCMS Compus		
	SCMS Campus		
Chief Guest	Dr. Ashitha C V(Govt. Medical College)		
No. of Participants	100		



Awareness programme on Breast Cancer, December 14, 2018

കളമശേരി: സർക്കാർ മെഡിക്കൽ കോളേജിലെ എം.ബി.ബി.എസ് വിദ്യാർഥികളുടെ കൂട്ടായ്മയായ 'സഖി'യുടെ നേതൃത്വത്തിൽ സ്തനാർബുദം - സാധ്യതകളും ലക്ഷണങ്ങളും പ്രതിരോധമാർഗ്ഗങ്ങളും എന്ന വിഷയത്തിൽ ബോധവൽക്കരണ പരിപാടി നടത്തി. എൻ.എസ്.എസ്.എസ് യൂണിറ്റ് സംഘടിപ്പിച്ച പരിപാടിയിൽ ഡോ. അഷിത സി.വി,ഡോ. അമൃത പി, ഡോ. ആഷ്ന ഷാജഹാൻ എന്നിവർ ക്ളാസുകൾ നയിച്ചു.



Name of activity / programme	Essay Writing Competetion – "Unity in Diversity"		
Date of activity/ programme	October 31		
Time	10.30 am		
Place	SCMS Campus		
Chief Guest	Dr. G Sashi Kumar		
No. of Participants	50		



Essay Writing Competetion - "Unity in Diversity", October 31, 2018

NSS unit of SCMS has organized an essay writing competition on the topic "Unity in Diversity" as part of Rashtriya Ekta Diwas celebrated on October 31 every year as it is the birthday of Sardar Vallabhai Patel, fondly remembered as the iron man of India. NSS volunteers actively participated in it making it a grand success.



Name of activity / programme	Rashtriya Ektha Diwas		
Date of activity/ programme	October 31		
Time	9.30 am		
Place	Kalamassery		
Chief Guest	Prof. Pramod P Thevanoor (Vice Chairman, SCM		
	Group)		
No. of Participants	400		



Rashtriya Ektha Diwas Rally, October 31, 2018

കളമശേരി: സ്വതന്ത്ര ഭാരതത്തിലെ ആദ്യത്തെ ഡെപ്യുട്ടി പ്രധാനമന്ത്രിയും ഇന്ത്യയുടെ ഉരുക്കു മനുഷ്യനുമായ സർദാർ വല്ലഭായ് പട്ടേലിന്റെ ജന്മദിനമായ ഒക്ടോബർ 31 ദേശീയ ഏകതാ ദിനമായി ആചരിക്കുന്നതിന്റെ ഭാഗമായി എസ്.സി.എം.എസിലെ എൻ.എസ്.എസ് യൂണിറ്റ്അംഗങ്ങളും അധ്യാപകരും ഒരുമയുടെ സന്ദേശവുമായി പദയാത്ര എസ്.സി.എം.എസ് ഗ്രൂപ്പ് സംഘടിപ്പിച്ചു. വൈസ് ചെയർമാൻ പ്രൊഫ. പ്രമോദ് പി.തേവന്നൂർ യാത്ര ഫ്ലാഗ് ഓഫ് ചെയ്തു. എസ്.സി.എം.എസ് ഡയറക്ടർമാരായ പ്രൊഫ. എസ്.ഗോപ്കുമാർ, ഡോ. ഫിലോമിന പി. ജോർജ് പ്രിൻസിപ്പൽ ഡോ. ജി.ശശികുമാർ, എൻ.എസ്.എസ് പ്രോഗ്രാം ഓഫീസർ അരുൺകുമാർ .എം, ലയിസൺ ഓഫീസർ ലത്തീഫ് പി.എം.എ എന്നിവർ നേതൃത്വം നൽകി.

Name of activity / programme	Three Day Residential Camp	
Date of activity/ programme	November 29,30,31	
Time	Full Day	
Place	SCMS Campus	
Chief Guest	Dr. Radhakrishnan	
No. of Participants	50	



Three Day Residential Camp, November 29,30,31,2018

Kalamassery: NSS Unit of SSTM has conducted a 3 day Residential camp from 23rd to 25th November 2018, for the 60 volunteers. The camp was inaugurated by SCMS PRO Mr Sanal Potty. Classes were conducted by SCMS Journal Editor and senior faculty Dr. D Radhakrishnan Nair, Trainer Anson Kurumbathuruth, NSS Programme Officer M ArunKumar and Economics Faculty Satheesh Kumar.



Name of activity / programme	Blood Donation Camp	
Date of activity/ programme	January 15	
Time	11.00 am	
Disease	COMO Commune	
Place	SCMS Campus	
Chief Guest	Nil	
No. of Participants	50	



Blood Donation Camp, January 15,2019

കളമശ്ശേരി: എസ്.സി. എം. എസ് കോളേജിലെ എൻ.എസ് .എസ് യൂണിറ്റിന്റെ ആഭിമുഖ്യത്തിൽ 2018 ഡിസംബർ മാസം 7 ന് ലൂർദ്ഹോസ്പിറ്റലും, എച്ച്.ഡി. എഫ്. .സി ബാങ്കും ചേർന്ന് സംഘടിപ്പിച്ച രക്തദാന ക്യാമ്പിൽ 55 എൻ.എസ്.എസ് വോളണ്ടിയേഴ്സ് രക്ത ദാനം നടത്തി

SCMS SCHOOL OF TECHNOLOGY AND MANAGEMENT



SCMS Campus, Prathap Nagar, Muttom, Aluva, COCHIN- 683 106. KERALA

DEPARTMENT OF COMPUTER APPLICATIONS



SWACHH BHARAT

As part of SwachhBharat 100 Hours Internship Programme, SCMS School of Technology and Management had taken initiative in undertaking a lot of activities in our premises and schools. All our students along with our faculty members wholeheartedly participated in this mission with a sense of dedication and responsibility.

In order to accomplish the task, students were divided in to five groups with two faculty co coordinators. Three groups were assigned the task of visiting schools and two groups for visiting houses in Panchayaths. They were asked to make a programme chart and were given two days to practice all the activities along with their co coordinators. Our students also took initiative in directing a short film titled 'TRASH CAN 'based on the theme swachhta .

As part of swachhta mission our two groups of students visited Choornikkara panchayath to spread awareness about the importance of personal and public hygiene. In the wake of numerous hazards caused due to pollution and lack of hygiene, the swachhta mission undertaken by Govt of India is an eye-opener for all of us. It is a pleasure and privilege to associate with this mission in our area.

Our students visited more than 100 houses in Choornikkara Panchayath over a span of one week to give the residents an insight to the harms caused by one's ignorance and neglect. Notices were printed and given to all the residents and importance of Swachhta mission was also explained. Different measures that have to be taken for hygiene and prevention of water logging especially during rainy season were explained so as to restrict the spread of various diseases. Waste management techniques like how to segregate plastic and food wastes were also shared amongst the residents.

Door to door campaign was successfully accomplished because of the whole hearted support and hospitality shown by the residents of Choornikkara Panchayath.. They were very keen to know more about the mission and various precautionary measures. For them it was the first of its kind and they supported and congratulated us for taking up this grave yet overlooked issue of our country.

As part of the mission our students cleaned the college premises ,painted walls and planted trees ,all in two days. Swachh Bharat initiative proved to be platform for our students to come together for a national cause of widespread concern.

Our students visited four schools namely Nalanda Public school, Thammanam, HMT Higher Secondary School, Kalamassery, HMT Primary school, Kalamassery and Asoka Primary School ,Asokapuram.All the school students participated in all the activities including speeches, Paper bag making,drawing, poster making,quiz and skit very enthusiastically. Our deeds and ideas were highly appreciated by the school authorities and they promised all their support in our future endeavors also.



SCMS SCHOOL OF TECHNOLOGY AND MANAGEMENT

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DEPARTMENT OF COMPUTER APPLICATIONS

No. of students	No.of Teachers Participated	Venue	Date
8	2	HMT Education Society	6.7.2018
		High School	
11	2	NALANDA PUBLIC SCHOOL	6.7.2018
9	2	GLPS HMT COLONY	6.7.2018
8	1	Asok LP School	4.7.2018







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DEPARTMENT OF COMPUTER APPLICATIONS

Ministry of Human Resource Development Department of Higher Education Government of India

SCMS SCHOOL OF TECHNOLOGY AND MANAGEMENT, COCHIN MCA Department Swachh Bharat Mission Clean India Campaign

Name and Address of the school	G.L.P. S. HMT COLONY HMT COLONY PO KALAMASSERY
Day and time	6-07-2018 10am +012
Venue	GLPS HMT COLONY
Events/Activities -	
No. of Participants	51
Faculty in charge	DR. Anjana S-chandran Mi Ronnie Poter
Signature and seal of the	Susandilis
M.T. CO.OS	Headmistress Govt. L. P. S. H.M.T. Colony

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DEPARTMENT OF COMPUTER APPLICATIONS

Ministry of Human Resource Development Department of Higher Education Government of India

SCMS SCHOOL OF TECHNOLOGY AND MANAGEMENT, COCHIN MCA Department Swachh Bharat Mission Clean India Campaign

Name and Address of	Asok. L.P. School
the school	Asokpuram. P.O.
	Asokparam.
Day and time	4 July. 2018.
Venue	
Events/Activities	speech.
	Paper Bay Making.
	Poster Marking Competition.
	Quiz Competition.
	Video Presentation
	Skit
	SCHOCHATON Pledge,
	Notional Anthem.
No. of Participants	35
aculty in charge	BINDU JOHN,
	MCA Dept. Scms, Cochin.
signature and seal of the	
Principal	Trineharge.
	USHA K. NAIR Headmistress Headmistress ALUVA

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DEPARTMENT OF COMPUTER APPLICATIONS

Ministry of Human Resource Development Department of Higher Education Government of India

SCMS SCHOOL OF TECHNOLOGY AND MANAGEMENT, COCHIN
MCA Department
Swachh Bharat Mission
Clean India Campaign

Name and Address of the school	NALANDA PUBLIC SCHOOL THAMMANAM: P.O KOCHI - G82032.
Day and time	6.07.2018
Venue	Auditorian.
Events/Activities	
No. of Participants	
Faculty in charge	Ms. JISMY JOSEPH Ms. Raymal
Signature and seal of the Principal	KAVITHA N.P.
(PRINCIPAL Nalanda Public School Thammanam,Kochi-682 032

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SCMS SCHOOL OF TECHNOLOGY AND MANAGEMENT, COCHIN MCA Department Swachh Bharat Mission Clean India Campaign

Name and Address of the school	HMT EDUCATION SOCIETY HIGH SCHOOL
Day and time	6-7-2018 10-30 AM - 1 PM
Venue	Class room
Events/Activities	- Introductions - Speech on SWACHHATA - Paper bag making - Poster making - Video presentation - Skit based on SWACHH BHARATH - SWACH Pledge - National anothern
No. of Participants	35
Faculty in charge	SUDHA D. AXUPAMA USHA (Faculties & MCA Department)
Signature and seal of the Principal	HISHA PAVITHRAN

HEADMISTRESS HMT Edi. Society High School Kalamassery

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SWACHHATA MISSION IN SCHOOLS

PROGRAM CHART

1.	Introduction
2.	Speech on SWACHHATA
3.	Paper Bag Making
4.	Poster Making Competition: *Theme-SWACHH BHARATH *Pencil Drawing *10 Participants
5.	Quiz Competition on SWACHH BHARATH *10 Questions
6.	Video Presentation
7.	Skit Based on SWACHH BHARATH
8.	SWACHH Pledge
9.	National Anthem

For More Details:

Contact: Ms. Bindu John

MCA Department SCMS Mutton Ph: 999553094

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DEPARTMENT OF COMPUTER APPLICATIONS

SCMS SCHOOL OF TECHNOLOGY AND MANAGEMENT SCMS Campus, Prathap Nagar, Muttom, Aluva, COCHIN- 683 106. KERALA

DATE: 02/07/2018 TIME: 10 AM TO 1 PM

SWACHH BHARAT PROGRAMME

- 1. INTRODUCTION
- 2. AWARENESS SPEECH
- 3. POSTER MAKING COMPETITION
- 4. PAPER BAG MAKING
- 5. SKIT
- 6. SWACHH PLEDGE
- 7. NATIONAL ANTHEM

Today we went to Asok LP School, Asokapuram as part of the SWACHH BHARAT INTERNSHIP. We reached there at 10 am and took a two hours awareness program which is was filled with activities and competition. Students of grade VI was there for attending the programme. AARON ABY hosted the programme. The programme was started with an awareness speech by ABHIRAMI P KUMAR.

After that we conducted a poster making competition which includes ten students, they were divided into a group of five. The theme was related to swachh bharat, and was given 20 minutes time to prepare. Along with it we had a paper bag making session organized by ANN MARY NIVYA in which we provided necessary materials to all the students to do so. She instructed each steps of making it and all our DDMCA members helped the students in making paper bags. Next, we had an awareness skit which was staged by

- 1. ANFAS
- 2. KIRAN UNNIKRISHNAN
- 3. RAHUL M R
- 4. NIKHIL VARGHESE
- 5. ROSE MARY JOJO
- 6. SUHA SHAJAHAN
- 7. LUVIN SABU
- 8. REDDIAR KARTHIKEYAN

Awarded a pen to each students who participated in the poster making competition by Mr. MARIADAS RONNIE & Ms. BINDU JOHN. Five students of class VI had sung a mash up which made the programme more colorful. & they were also awarded a pen each as a token of appreciation by Mr. MARIADAS RONNIE.

A SWACHH PLEDGE was taken as a part of the programme by all the students including faculties which was lead by ANN MARY NIVYA. As a concluding note, on behalf of SCMS SCHOOL OF TECHNOLOGY & MANAGEMENT, a vote of thanks was given by AARON ABY .The programme ended with our National Anthem.

PHOTOGRAPHY: ASHWIN K CHANDRASEKHAR NIKHIL MAMMEN GEORGE SUHA SHAJAHAN

TECHNICAL SUPPORT: LUVIN SABU

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DEPARTMENT OF COMPUTER APPLICATIONS

SCMS SCHOOL OF TECHNOLOGY AND MANAGEMENT SCMS Campus, Prathap Nagar, Muttom, Aluva, COCHIN- 683 106. KERALA

DATE: 02/07/2018 TIME: 10 AM TO 1 PM

SWACHH BHARAT PROGRAMME

- 1. INTRODUCTION
- 2. AWARENESS SPEECH
- 3. POSTER MAKING COMPETITION
- 4. PAPER BAG MAKING
- 5. SKIT
- 6. SWACHH PLEDGE
- 7. NATIONAL ANTHEM

Today we went to Asok LP School, Asokapuram as part of the SWACHH BHARAT INTERNSHIP. We reached there at 10 am and took a two hours awareness program which is was filled with activities and competition. Students of grade VI was there for attending the programme. AARON ABY hosted the programme. The programme was started with an awareness speech by ABHIRAMI P KUMAR.

After that we conducted a poster making competition which includes ten students, they were divided into a group of five. The theme was related to swachh bharat, and was given 20 minutes time to prepare. Along with it we had a paper bag making session organized by ANN MARY NIVYA in which we provided necessary materials to all the students to do so. She instructed each steps of making it and all our DDMCA members helped the students in making paper bags. Next, we had an awareness skit which was staged by

- I. ANFAS
- 2. KIRAN UNNIKRISHNAN
- 3. RAHUL M R
- 4. NIKHIL VARGHESE
- 5. ROSE MARY JOJO
- 6. SUHA SHAJAHAN
- 7. LUVIN SABU
- 8. REDDIAR KARTHIKEYAN

Awarded a pen to each students who participated in the poster making competition by Mr. MARIADAS RONNIE & Ms. BINDU JOHN. Five students of class VI had sung a mash up which made the programme more colorful. & they were also awarded a pen each as a token of appreciation by Mr. MARIADAS RONNIE.

A SWACHH PLEDGE was taken as a part of the programme by all the students including faculties which was lead by ANN MARY NIVYA. As a concluding note, on behalf of SCMS SCHOOL OF TECHNOLOGY & MANAGEMENT, a vote of thanks was given by AARON ABY .The programme ended with our National Anthem.

PHOTOGRAPHY: ASHWIN K CHANDRASEKHAR NIKHIL MAMMEN GEORGE SUHA SHAJAHAN

TECHNICAL SUPPORT: LUVIN SABU





SCMS Campus, Prathap Nagar, Muttom, Aluva, COCHIN- 683 106. KERALA

DEPARTMENT OF COMPUTER APPLICATIONS

2. Road safety campaign:

Road safety campaign: an awareness Programme on "Helmets for your safety" was organized by MCA Department on 4th and 5th February 2019 in association with the Motor Vehicles Department of Ernakulum District. Along with distributing pamphlets the students explained to the public & the drivers the importance of wearing helmets & seat belts, avoiding drinks & mobile while driving & the importance of observing traffic signals.

No. of students	No.of Teachers Participated	Venue	Date
55	5	5 different petro pumps in	5.02.2019
		Ernakulum district	

4/18/2019

SCMS Group of Institutions Mail - Road Safety Week



Sudha D <sudha@scmsgroup.org>

Road Safety Week

2 messages

Dear Sir / Madam.

Following the mail sent yesterday regarding the Road Safety awareness week celebration by the Motor Vehicle Department from 4th to 10th February 2019, it has been decided that Mr. Dilip Kumar K.G. MVI, Shall address the students at the Seminar Hall, on 5th February at 10.00 am to 11.30 am. Kindly request all the students who are to be deployed in the petrol pumps on Thursday 7th February, 2019 to be seated in the seminar hall by 9.45 am.

We are planning to be present in 20 Petrol pumps in an around Ernakulam city. 10 students per team / pump totaling to 200 students. Each team has to be accompanied by a faculty member. Which means we also need 20 faculty members. The faculty members who are to accompany the students on the said date shall also if possible attend the session on 5th of February.

As requested in the previous mail kindly finalize the list of students and faculty members (5 from each department) by Monday evening 3 PM.

Thanking you,

Mr. Praveen Kamath Systems Administrator, SCMS Group. Assistant Professor SSTM, SCMS -COCHIN Prathap Nagar, Muttom, Aluva, Cochin. Phone: 0484-2623803/2623804 Ext: 335 Mobile: 09847147123

Blog : datamirage.blogspot.com E-mail : praveen@scmsgroup.org Site : www.scmsgroup.org

Lakshmi Mahesh lakshmimahesh@scmsgroup.org
To: Sudha D <sudha@scmsgroup.org>

Sat, Feb 2, 2019 at 2:57 PM

[Quoted text hidden]

Dr.J.M.LAKSHMI MAHESH ASSISTANT PROFESSOR, DEPARTMENT OF M.C.A SSTM



SWARA- a women's forum for students was inaugurated by Dr. Poornima Narayanan, Councillor, Kochi Municipal Corporation on 09.10.2018. The function was presided by Dr. Indu Nair, Group Director, SCMS group.

Dr. Poornima also unveiled the logo of SWARA

Dr. Poornima pointed out the necessity of having such a forum and asked the students to make meaningful interventions to society by using this platform. She stressed on taking up studies first, understand the needs and then suggest the relevant interventions for Women Empowerment.

SWARA has a representative from all courses in the Muttom campus and intends to do meaningful programs every month .

The objectives of SWARA are

- 1. To enhance self-esteem of young women and empower them in taking pertinent decisions
- 2. To become a resource center for women and provide a forum for exchange of ideas
- 3. To augment awareness of women related social issues, health, employment and gender related matters

The constitution of SWARA (2018) is as follows

Chairperson - Ms. Abirami G Mahiera (MBA) Vice Chairperson - Ms. Durga (BA Economics)

Secretary - Ms. Nishi (BCom)

Joint Secretary - Ms. Subhadra S Menon (DDMCA)

Treasurer - Ms. Anu Jeevan (DDMCA)

Committee members - Ms. Neethu (PGDM), Ms. Anjana (PGDM), Ms. Anchal (MBA)







SWARA- a women's cell inauguration by Dr. Poornima Narayanan on 09.10.2018





You are invited to join us for a session on

"How to eat smart"

by

Ms. Neetha Thomas,

Nutritionist, Silverline hospital

Date & Time: 15.11.2018, 3.30 pm Venue: Seminar Hall, SCMS



How to eat smart

As an initiative of SWARA, the women's cell of SCMS a talk was conducted on" How to eat smart" by Ms. Neetha Thomas, Nutritionist, Silverline hospital, Kadavanthra on 15.11.2018 at 3.30 pm.

Ms. Abirami G Maheira, chairperson, SWARA, welcomed the gathering.

Ms.Neetha briefed the students on the need for having good food, rich of nutrients. Ms.Neetha said that for gents, muscle mass is more and hence it is easy to reduce weight, while for females they need to concentrate on a balanced diet as their body is more fat based. She told the students not to skip any meal, especially breakfast and also to have short meals - 5 times a day. She gave a brief idea on what all things are to be included in one day meal plan and how much calories we need etc. She told the students how to calculate BMI, the weight needed etc.

80 students from different batches attended the session along with the faculty members and staff.

Ms. Anupama proposed the vote of thanks.



How to eat smart - by Ms. Neetha Thomas, Nutritionist on 15.11.2018







How to eat smart - by Ms. Neetha Thomas, Nutritionist, on 15.11.2018





Ecofeminism: Prehistoric Roots and Modern Relevance

Venue: SCMS seminar hall

Time: 10.45 am on 19th Mar, 2019

Dr. Yukio Kamino, Senior Researcher and Coordinator of OISCA (Organization for Industrial Spiritual and Cultural Advancement), an organization headquartered at Tokyo, Japan addressed the students on the topic "Ecofeminism". Ecofeminism refers to a concept of women characteristics that are nature friendly.



Ecofeminism: Prehistoric Roots and Modern Relevance 19th March, 2019





International Happiness Day celebrations

Date & time: March 20,2019 4.30 pm

Venue: SCMS Pandhal

Since 2013, the United Nations has celebrated the International Day of Happiness on March 20 as a way to recognise the importance of happiness in the lives of people around the world.

This year theme is "HAPPIER TOGETHER"

SWARA celebrated this happy togetherness at SCMS campus.

A photography contest was there in connection with the same titled "Her Happiness".

The celebrations included dance, song, mimicry, fashion walk (kaithari) etc.

The students had voted for best smile among the faculty members and the winners are

MBA - Dr. Dulari S S PGDM - Mr. Pradeep K V MCA - Mr.Praveen Kammath BCom - Ms. Annie Thomas BA - Ms.Rose Paul.







International Day of Happiness Celebration on 20th March , 2019





SCMS Campus, Prathap Nagar, Muttom, Aluva, COCHIN- 683 106. KERALA

Activities conducted relevant to Gender Human Values Professional Ethics Environment and sustainability

2017-18



NATIONAL SERVICE SCHEME UNIT NO.: 130



2017 - 2018

Name of activity / programme	"World No Tobacco Day".
Date of activity/ programme	May 31
Time	10.30 am
Place	SCMS Campus
Chief Guest	Mr.V.K. Salil Kumar, DYSP, Anti- Narcotics Cell,
	Ernakulam
No. of Participants	150



World No Tobacco Day, May 31, 2017

The NSS Unit No:130, SCMS, Mutton, Aluvahad organized an awareness class on demerits and psychological impacts of usage of Tobacco on 31st May ,2017 as a part of "World No Tobacco Day". Distinguished guests Mr.V.K. Salil Kumar, DYSP, Anti- Narcotics Cell, Ernakulam Rural, Mr. Sanal Kumar Excise Preventive officer and Dr. Sanju George, Psychiatrist, Rajagiri Hospital, elite guardians and students of the college attended the program



Name of activity / programme	World Environment Day
Date of activity/ programme	June 5
Time	10.00 am
Place	SCMS Campus
Chief Guest	Mrs. Lakshmi N Menon,
No. of Participants	100



World Environment Day, June 5, 2017

The NSS Unit, SCMS, Mutton, Aluva had organized an awareness program on World Environment Day on the theme connecting people to nature on 5th June, 2017. Distinguished Chief guest Mrs. Lakshmi N Menon, elite guardians and students of the college attended the program.



Name of activity / programme	Reading Day
Date of activity/ programme	June 19
Time	10.30 am
Place	SCMS Campus
Chief Guest	Smt. Sreekumari Ramachandran
No. of Participants	150



Reading Day, June 19, 2017

Releasing the hand written magazine of NSS Volunteers "പറയാൻ ബാക്കി വെച്ചത്" by Sreekumari Ramachandran from Mr. Sanal potty.



Name of activity / programme	International Yoga Day
Date of activity/ programme	June 21
Time	11.00 am
Place	SCMS Campus
Chief Guest	Mr. Rajagopalkrishna
No. of Participants	50



International Yoga Day, June 21, 2017

NSS unit no: 130 conducted a Yoga Day programme in association with Art of Living. Mr. Rajagopalkrishna was the instructor of the yoga day



Name of activity / programme	Reminder to the Younger generation
Date of activity/ programme	July 22
Time	1.30 pm
Place	SCMS Campus
Chief Guest	Mr. Sabu T K (CI, Crime Branch)
No. of Participants	150



Reminder to the Younger generation, July 22, 2017

Mr. Sabu T K (CI, Crime Branch) inaugurate an awareness programme conducted by NSS unit:130 on" Reminder to the Younger generation"



Name of activity / programme	Three day camp (July 22,23,24)
Date of activity/ programme	July 23
Time	10.30 am
Place	SCMS Campus
Chief Guest	Mr.Kiran Tampi (Asst. Prof, Rajagiri College)
No. of Participants	50



Three day camp (July 22,23,24), 2017

As a part of the three day residential camp Mr.Kiran Tampi (Asst. Prof, Rajagiri College) had taken a class on the topic "Organic Farming".



Name of activity / programme	Seven Day Camp (Awareness rally on "Organic Farming)
Date of activity/ programme	September 5
Time	3.30 pm
Place	Vijayapuram Panchayath (Kottayam)
Chief Guest	sri. George (Member, Vijayapuram)
No. of Participants	50



Seven Day Camp (Awareness rally on "Organic Farming), September 5, 2017

An awareness rally was conducted on 4th September 2017 as a part of "Kottayam District organic literacy campaign"



Name of activity / programme	Blood Donation Camp
Date of activity/ programme	November 28
Time	10.00 am
Place	SCMS Campus
Chief Guest	Dr. G Sashi Kumar
No. of Participants	50



Blood Donation Camp, November 28, 2017

NSS unit 130 conducted a Blood Donation Camp in Cooperation with Amritha Hospital HDFC Bank on $28^{\,\text{th}}$ November 2017.



Name of activity / programme	Gandhi Jayanthi		
Date of activity/ programme	October 2		
Time	10.00 am		
Place	Primary Health Centre, Kalamassery		
Chief Guest	Prof. Pramod P Thevanoor (Vice Chairman, SCMS		
	Group)		
No. of Participants	50		



Gandhi Jayanthi, October 2, 2017

Gandhi Jayanthi Cleaning day programme was organized at primary health center , kalamassery on $2^{\rm nd}$ October 2017.



Name of activity / programme	Womens Day
Date of activity/ programme	March 8
Time	2.30 pm
Place	SCMS Campus
Chief Guest	Dr. parameswari subramaniam
No. of Participants	150



Women's Day, March 8, 2018

On 08/03/2018 Dr. Parameswari Subramaniam inaugurates the womens day programme conducted by NSS unit :130. She had taken a class on the topic "lifestyle diseases ".





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DEPARTMENT OF COMPUTER APPLICATIONS

1. Health and Breast Cancer

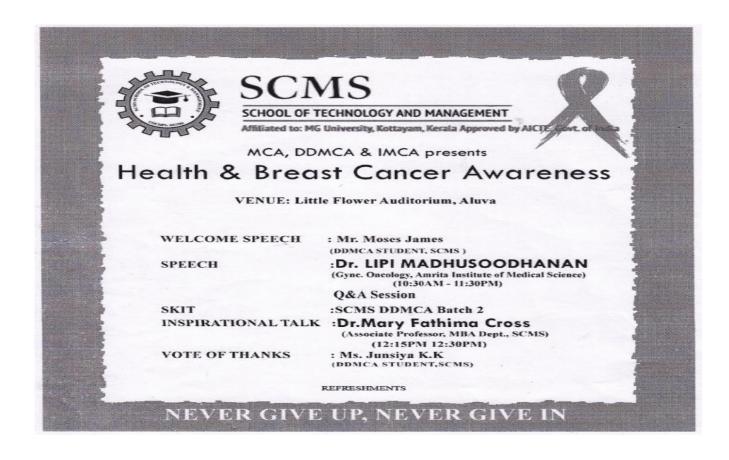
An awareness Programme on 'Health and Breast Cancer 'was organized by MCA Department of SCMS School of Technology and Management in collaboration with Amrita Institute of Medical Science on March 17th,2018 ,Little Flower Auditorium at Aluva .This Programme was aimed at obliterating the ignorance, fear and taboo related to breast cancer. The Programme was attended by 40 members including Waved member Sri K Jayaprakash, Kudambasree members and women from neighboring areas.

Dr. Lipi Gangadharan addressed the gathering about the causes, symptoms, early detection, diagnosis, treatment procedures and moving forward after the ordeal. She gave a cent percent assurance if detected in its early stages. She highlighted the emerging robotic Treatment techniques for breast cancer. Through a Video Presentation she taught the audience how to self-examine oneself for early detection.

During the question answer session the audience post many queries without any inhibitions which were answered unwearyingly and satisfactorily.

After the question answer session Dr Fatima Cross delivered an experiential talk on how to face cancer with will power and confidence.

No. of students	No.of Teachers Participated	Venue	Date
38	7	Little Flower Auditorium	17.03.2018





An awareness programme on 'Health and Breast Cancer 'was organized by MCA Department of SCMS School of Technology and Management in collaboration with Amrita Institute of Medical Science on March $17^{\rm th}$, 2018 , at Little Flower Auditorium , Aluva