
2021-2022

NAZARETH COLLEGE OF ARTS AND SCIENCE

Affiliated to the University of Madras

Re-accredited with 'B' Grade by NAAC

DEPARTMENT OF COMPUTER SCIENCE

Academic Year 2021-2022

ADD ON COURSE

Basics of Cyber Security Syllabus

UNIT I : Introduction to Cyber Security

What is Cyber Security – Need for Cyber Security – Why Awareness needed – Types of Cyber Threats and Attacks – Risk Mitigation Strategies.

UNIT II : Cyber Bullying

Cyber Bullying Concepts– Types of Cyber Bullying – How to identify and stop Cyber Bullying –Effects of Cyber Bullying.

UNIT III : Cyber Crime

What is Cyber Crime – Essential components of cyber security – Cyber Crime and its types – Data Privacy and Security – Cyber Law.

UNIT IV : Cyber Stalking

Definition of Cyber Stalking – Cyber Stalking and its types – How to prevent Internet Stalking –Cyber Stalking a crime - Examples of Cyber Stalking.

UNIT V : Cyber Forensics

Computer Forensics Fundamentals – Types of Forensics Technology – Information Warfare – Future Issues.



[Signature]
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ADD ON COURSE

Basics of Computer Security

DESCRIPTION ABOUT THE COURSE

OBJECTIVES

- ✓ This course aims to give an introduction to and an overview over the concepts of vulnerabilities , threats, attacks and security measures and mechanisms in advanced technologies.
- ✓ The learn the four objectives of security: Confidentiality, Integrity, Availability, and Nonrepudiation.
- ✓ To prepare students with the technical knowledge and skills needed to protect and defend computer systems and networks.
- ✓ To develop graduates that can plan, implement, and monitor cyber security mechanisms to help ensure the protection of information technology assets.
- ✓ To study to safe guard security of computer networks and systems is almost always discussed within information security that has three fundamental objectives, namely confidentiality, integrity, and availability.

OUTCOMES

- ✓ Measure the performance and troubleshoot cyber security systems.
- ✓ Implement cyber security solutions.
- ✓ Be able to use cyber security, information assurance, and cyber/computer forensics software/tools.
- ✓ Identify the key cyber security vendors in the marketplace.
- ✓ Preventing shoplifting, fraud, or any other misappropriation or theft of a thing of value, including tangible and intangible goods and services.
- ✓ Protecting the security or integrity of software, accounts, applications, online services.
- ✓ Protecting all the technological devices in daily use.




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ADD ON COURSE

Basics of Cyber Security


Schedule

S:NO	Day	Teaching & Learning / Hours	Activity & Discussion / Hours	Total / Hours
1.	05/10/2021 Monday	3 Hours	3 Hours	6 Hours
2.	06/10/2021 Tuesday	3 Hours	3 Hours	6 Hours
3.	07/10/2021 Thursday	3 Hours	3 Hours	6 Hours
4.	08/10/2021 Friday	3 Hours	3 Hours	6 Hours
5.	09/10/2021 Saturday	3 Hours	3 Hours	6 Hours

Grand Total Hours

30 Hours




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SYLLABUS CERTIFICATE PROGRAMME IN WOMEN'S EMPOWERMENT

UNIT -1 (6 Hours)

WOMANHOOD

Womanhood Definition, the state of being a woman, or time as woman; all women considered as a group, challenges of women's, womanly character or qualities.

UNIT -2 (6 Hours)

HEALTH AND HYGIENE

Health and hygiene, nutrition and health, Vitamin deficiency diseases, health and the environment prevention, identification and treatment of Non-Communicable diseases, women's cancer and gynaecological morbidity.

UNIT-3 (6 Hours)

RIGHTS OF WOMEN

Fundamental women rights, Women have the right to equal pay, right to Education, right to vote, Equal Employment, Property rights, Information women about their Legal rights.

UNIT -4 (6 Hours)

PERSONALITY DEVELOPMENT

Personality development - Definition, Know yourself, Think like a leader, Be a better communicator, Work on your Body Language, Observe others. Learn something new.

UNIT-5 (6 Hours)

ENTERPRENEURSHIP

Entrepreneurship, small business, Question yourself, your plans, your strategy, your business plans and your decisions. social entrepreneurship, create and opportunity.




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WOMEN'S EMPOWERMENT

DESCRIPTION ABOUT THE COURSE

OBJECTIVES

- Create high-level corporate leadership for gender equality.
- Women empowerment in India is required to overcome situations of such types and to provide them with their independent role in Indian society. Empowering women..
- Treat all people fairly at work, respecting and supporting non-discrimination and human rights. Including beneficial effects on nutrition, family planning, maternal mortality, and child mortality.
- Ensure the health, wellbeing and safety of all workers.

OUTCOMES

There is evidence of strong positive links between women's economic empowerment foundational health outcomes for women and their families. High-level corporate leadership for gender equality.




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Academic Year 2021-2022

ADD ON COURSE

WOMEN'S EMPOWERMENT

Schedule

S:NO	Day	Teaching & Learning / Hours	Total / Hours
1.	16.8.21	3 Hours	3
2.	17.8.21	3 Hours	3
3.	18.8.21	3 Hours	3
4.	19.8.21	3 Hours	3
5.	23.8.21	3 Hours	3
6	24.8.21	3 Hours	3
7	25.8.21	3 Hours	3
8	26.8.21	3 Hours	3
9	27.8.21	3 Hours	3
10	28.8.21	3 Hours	3

Grand Total Hours

30 Hours




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WOMEN'S EMPOWERMENT FEEDBACK FORM 2021-2022

1. NAME :
2. DEPARTMENT :
3. ACADEMIC YEAR :
4. MAIL :
5. PHONE NO :

In the following Table Tick () appropriate choice for each point .

S.NO	WOMEN'S EMPOWERMENT	POOR (1)	GOOD (3)	VERY GOOD (4)	EXCELLENT (5)
1	PUNCTUALITY IN THE CLASS				
2	FOCUS ON SYLLABUS				
3	COMMUNICATION SKILLS				
4	CONDUCTING THE CLASS ROOM DISCUSSIONS				
5	SYLLABUS COMPLETION OF THE COURSE ON TIME				
6	ANY OTHER SUGGESTIONS				




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WOMEN'S EMPOWERMENT REPORT 2021-2022

Nirbhaya women's cell of Nazareth College of arts and science conducted 30 hours of women empowerment program which was Add-on course. The session took place in Auditorium. Women's Empowerment trainer Ms.Vaishnavi conducted the session for the girl students each week three hours. The faculty gave clear idea about the topic and helped the students to come out with their thoughts and views .This session were very interesting and informative for the students. They learnt many unknown facts and came out from myths. For Each topic Women's Empowerment trainer Ms.Vaishnavi was conducted a conclusion session with overall views of the relevant topic .


Different Women lecturers conducted programs on the basis of topics such as

1. WOMANHOOD
2. HEALTH AND HYGIENE
3. RIGHTS OF WOMEN
4. PERSONALITY DEVELOPMENT
5. ENTERPRENEURSHIP

overall the programs where very informative and turned out to be a milestone for the students.

Total number of Students Participants : 50




PRINCIPAL




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WOMEN'S EMPOWERMENT – ASSESSMENT

ASSESSMENT -1

1. Womanhood Definition,
2. Personality development – Definition
3. Fundamental women rights- Discuss
4. Womanly character or qualities - Discuss
5. Entrepreneurship- Definition

ASSESSMENT -2

1. How to improve in your small business ?
2. Your plans, your strategy- Explain
3. Explain in your business plans and your decisions.?
4. Social entrepreneurship –Your view and thoughts
5. How to create an opportunity.

ASSESSMENT -3

1. Women have the right to equal pay, Education, Vote, Employment, .
Property rights, Legal rights - explain

ASSESSMENT-4

1. How to improve in your Personality?

ASSESSMENT -5

1. How to identify and to treat Non-Communicable diseases
2. Women's cancer and gynaecological morbidity- Explain




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WOMEN'S EMPOWERMENT – CERTIFICATE



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CERTIFICATE OF PARTICIPATION

This certificate is proudly presented to

Ms. _____ for successful completion of the
CERTIFICATE PROGRAMME IN WOMENS EMPOWERMENT
course conducted by Women's cell from 6.08.2021 to 28.08.2021.

Secretary

Principal

Co-ordinator




Principal

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DEPARTMENT OF SOCIAL WORK
Academic Year 2021-2022

Certificate Course on SOCIAL RESPONSIBILITY FOR STUDENTS
SYLLABUS

Unit 1:

Definition and introduction of Social responsibility, Types of Social responsibility, importance and benefits of Social responsibility. Principles of Social responsibility.

Unit 2:

Students and Social responsibility, Social work and Social responsibility, levels of Social responsibility, Ethics and values in Social responsibility. Social awareness and issue in the society.

Unit 3:

Environmental responsibility. Human Rights/Ethical responsibility. Philanthropic responsibility. Economic responsibility. Theory of Social responsibility.

Unit 4:

Exploitation in financial and medical contexts, Moral Duty to Obey the Law, Responding to social problems. Elements of Social responsibility.

Unit 5:

Assignment on individual social responsibility activities.




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DEPARTMENT OF SOCIAL WORK

Academic Year 2021-2022

Certificate Course on Basics of SDG

SYLLABUS

UNIT I: Basics to Sustainability

What is sustainability – Meaning of development – Pillars of sustainability development – Economic sustainability – Social sustainability – Environmental sustainability.

UNIT II: Introduction to Sustainable Development Goals

Meaning of Sustainable Development – History of SDG – Difference between MDG & SDG.

UNIT III: 17 SDG in brief

No Poverty, No Hunger, Good Health and Well Being, Quality Education, Gender Equality, Clean water and Sanitation, Affordable and Clean Energy, Decent work and Economic Growth, Industry, Innovation and Infrastructure, Reduce Inequalities, Sustainable cities and Communities, Responsible Consumption and Production, Climate Change, Life below water, Life on Land, Peace , Justice and strong Institutions, Partnerships for the Goals. Global progress – Indian progress.

UNIT IV: Status of Tamilnadu

Measurement of SDG – Select four SDG – Select indicator – Define targets, collect data, calculate impact, visualize outcome – Refine framework.

UNIT V: Project – Selection of Goal 1 / Goal 2/Goal 13

Submit a project using the measurement of SDG presentation

Teaching Methodology:

1. Hybrid model
2. Brainstorming and discussion
3. Activity based and presentation
4. Field visit and real time project



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DEPARTMENT OF SOCIAL WORK
Academic Year 2021-2022

Certificate Course on
ALTERNATIVE MEDIA FOR SOCIAL WORK

Unit 1 (3)

Definition of Development Communication, Historical Contexts of Development Communication, Communication for Social Change (CSC) theories, Participatory development and communication, PRA

Unit 2 (4)

Journalism As a Change Agent: Developmental Journalism –Scope and Objectives; Reporting on developmental Issues – Potential and Challenges; Advocacy Journalism for development; Participatory Journalism: Community Media, Citizen Journalism, Online space and development. Journalistic Ethics.

Unit 3 (4)

Speaking: The essential qualities of an Effective speaker, conversation, extemporaneous speaking, Focus group discussion, Interviews, public speaking for social change.

Unit 4 (4)

Media and Development: Indian Press and its role in development. Radio – Radio Rural Forums, Community Radio; Television for social change -Public Information Campaigns. Media's role in Politics, Corporate ownership of Media. Alternative media for development - Folk media and theatre.

Unit 5 (15)

Parai aatam

Oyil aatam

Karakattam

Street Theatre.

Song




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Certificate Course

Title: Community Engagement

Objectives:


1. Understand the principles of community engagement.
2. Define the qualities of an effective community engaged leader in health.
3. Apply tools and techniques for collaboratively developing multi-level strategic public health promotion plans.
4. Demonstrate techniques for promoting team development, and diagnosing and responding to conflict.

Outcome:

- Provide rationale and ethics for community engagement in an urban and regional planning context, and including for diverse communities in support of equity and inclusion.
- Apply the principles of communication for outreach to the diverse public, decision makers, and stakeholder groups.
- Select, design, and conduct engagement methods within a community engagement process.
-

S.NO.	CONTENT
1	Community engagement rationale and ethics.
2	Interpersonal, public.
3	cross-cultural communications.
4	Engagement methods.
5	Formality vs. consensus building.
6	Interests, empowerment, and negotiation.
7	Organizational collaboration.




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Reference books:

1. Herchmer, Brenda. **Leadership for Active, Creative, Engaged Communities**. Bloomington, IN: iUniverse Publications, 2012. [ISBN: 978-1-4620-6399-4; ISBN (ebook): 978-1-4620-6400-7] Leslie Lamport, 1994.
2. Toms, Forrest and Sylvia Burgess, eds. **Lead the Way: Principles and Practices in Civic and Community Engagement**. San Diego: Cognella Publications, 2013.
3. Heifetz RA, Grashow A, Linsky M. **The practice of adaptive leadership: Tools and tactics for changing your organization and the world**. Harvard Business Press; 2009.




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2020-2021

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DEPARTMENT OF COMPUTER APPLICATIONS

CERTIFICATE COURSE

File: ARDUINO

Total Hours Allocated : 30 Hours

Split for Hours Allocated:

- . Teaching and Training: 20 hours
- . Practise with Real Time scenario: 5 Hours
- . Evaluation: 5 Hours

Course Instructor

Ms. R. Angelin Monica

Assistant Professor

Department of Computer Applications

Nazareth college of arts and science

Avadi, Chennai -600062

COURSE ARDUINO SYLLABUS

Module I

Overview of Arduino

Electronic components and connections

Module II

Introduction to Arduino

Arduino components and IDE

Module III

Start Arduino Program

Arduino with Tricolor LED and Push button

Module IV

Arduino with LCD

Display counter using Arduino

Module V

7-segment Display




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