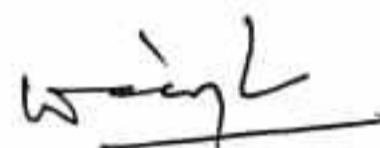# MANIPUR UNIVERSITY
CANCHIPUR : IMPHAL

OFFICE ORDER NO. 1523

Dated, the 20th September 2022

No.MU/4-133/2020: The Deans' Committee under Resolution No.4 of its meeting held on 29.08.2022 has approved the Syllabi and Course Structure of Value Addition Courses (VAC) for Undergraduate Programmes under NEP-2020. The 65 VAC courses have been classified semester-wise into 8(eight) groups as detailed below:-

Semester	VAC (Credit)	1 course title to be chosen within the group of
I	VAC-1 (2)	Sl.No. 1-8
	VAC-2 (2)	Sl.No. 9-16
II	VAC-3 (2)	Sl.No. 17-24
	VAC-4 (2)	Sl.No. 25-32
III	VAC-5 (2)	Sl.No. 33-40
	VAC-6 (2)	Sl.No. 41-48
IV	VAC-7 (2)	Sl.No. 49-56
	VAC-8 (2)	Sl.No. 57-65

(Prof. W. Chandbabu Singh)
Registrar

Copy to:-

1. AR to the Vice-Chancellor, MU
2. Deans of Schools of Studies, MU
3. Director, University & Higher Education, Govt. of Manipur, Imphal
4. Principals of affiliated colleges, Manipur
5. Deputy Registrar (|Academic), MU
6. Office Order Book
7. Relevant File

VALUE ADDITION COURSES(VAC) SYLLABI

FOR

UNDERGRADUATE ACADEMIC PROGRAMMES UNDER THE NEP-2020

PREPARED BY:

1.Prof.GKN CHHETRY, Dean School of Life sciences.

2.Dr.N.Ajith Singh, OSD, DUHE.

3.Dr.M. Thoiba Singh, Asst, Prof.Dept of Dance and Music,MU.

4.Dr.M. Nodiyachand Singh, Head, Dept of Yoga,MU.

5.Md Raheijuddin Sheikh, Principal Lilong Haoreib College.

VALUE ADDITION COURSES

INSTRUCTION:

- There are 65 Value Addition Courses arranged serially from Sl.no 01 to 65.
- Colleges may exercise the option of choosing the VAC in the following manner:

1.For 1st semester i)VAC-1 choose any one VAC within the serial no. 01 to 08.

    ii) VAC-2 choose any one VAC within the serial no.09 to 16.

2.For 2nd semester,i)VAC-3 choose any one VAC within the serial no 17 to 24.

    ii) VAC-4 choose any one VAC within the serial no 25 to 32.

3.For 3rd semester,VAC-5 choose any one VAC within the serial no 33 to 40.

4.For 4th semester,VAC-6 choose any one VAC within the serial no 41 to 48.

5.For 5th semester,VAC-7 choose any one VAC within the serial no 49 to 56.

6.For 6th semester,VAC-8 choose any one VAC within the serial no 57 to 65.

- No repetition of courses is allowed in the entire programme.
- Assessment will be internal only (to be done by the college).
- Evaluation may be conducted by adopting any one of the following methods appropriate to each of the above listed courses.
  - Written test(MCQ in online/offline/blended platform).
  - Practical examination.
  - Laboratory work.
  - Field work/Project.
  - Assignment.
  - Presentation etc.

DETAILS OF COURSE STRUCTURE:

Sl. No.	Course Title	Course Code	Total Credits	Contact Hours	Assessment Weightage (%)				
					Written	Practical / Demonstration	Laboratory / Presentation	Field Work /Project Work	Assignment
1	NSS	VAC001	02	30	30		20	50	
2	NCC	VAC002	02	30	30	50	10	10	
3	Ek Bharat ShresthaBharat	VAC003	02	30	30		50	20	
4	Thang Ta	VAC004	02	30	30	50	10	10	
5	Mukna	VAC005	02	30	30	40	20	10	
6	SagolKangjei	VAC006	02	30	30	50	10	10	
7	Kang	VAC007	02	30	30	50	10	10	
8	Yoga	VAC008	02	30	30	40	20	10	
9	Environmental Ethics	VAC009	02	30	40	20	10	20	10
10	Basic of Environmental Audits	VAC010	02	30	40	10	20	20	10
11	E- waste management	VAC011	02	30	50			50	

12	Solid waste management	VAC012	02	30	30	10	5	50	5
13	Non-violence and world peace	VAC013	02	30	50	20	10	10	10
14	Digital marketing	VAC 014	02	30	50		30		20
15	Exercise, beauty & well ness	VAC015	02	30	30	30	30	10	
16	Personality development	VAC016	02	30	30		50	10	10
17	News reporting and anchoring	VAC017	02	30	30		50	20	
18	Interpersonal skill development	VAC018	02	30	30		40	20	10
19	Soft skill	VAC019	02	30	30	10	40	20	
20	Cyber security	VAC020	02	30	50				50
21	documentary film making	VAC021	02	30	40	10	10	20	20
22	Financial literacy	VAC022	02	30	50			30	20
23	Banking services & Insurance	VAC023	02	30	50			30	20
24	Art of living and spiritualism	VAC024	02	30	30	40	10	10	10
25	IPR	VAC025	02	30	50	20	10	10	10
26	Women empowerment	VAC026	02	30	40		50	10	
27	Khulangeshei	VAC027	02	30	20	50	20		10
28	Maibilaichingjagoi	VAC028	02	30	20	50	20		10
29	Pungcholom	VAC029	02	30	20	50	20		10
30	Dholokcholom	VAC030	02	30	20	50	20		10
31	Pena	VAC031	02	30	20	50	20		10
32	Khongjomparba	VAC032	02	30	20	50	20		10
33	Mao tribal dance	VAC033	02	30	20	50	20		10
34	Kabui dance	VAC034	02	30	20	50	20		10
35	Wari leeba	VAC035	02	30	20	50	20		10
36	Lairikthibahaiba	VAC036	02	30	20	50	20		10
37	Make up artist	VAC037	02	30	20	50	20		10
38	Potloi making	VAC038	02	30	20	50	20		10
39	Thougaljagoi	VAC039	02	30	20	50	20		10
40	Mime	VAC040	02	30	20	10	60	10	
41	Skit	VAC041	02	30	20	10	50	10	
42	Arangfam	VAC042	02	30	20	50	20		10
43	Event management	VAC043	02	30	20	10	50	20	
44	Stress management	VAC044	02	30	30	30	10	30	
45	Web designing	VAC045	02	30	30	20	20	30	
46	Web development	VAC046	02	30	30	20	20	30	
47	Mobile app development	VAC 047	02	30	30	20	20	30	
48	Tally accounting	VAC048	02	30	40	20	20		20
49	Office automation	VAC049	02	30	30	20	20		30
50	Data analysis	VAC050	02	30	40	20	20	10	10
51	Basics of big data	VAC051	02	30	40	10	20	10	20
52	Introduction to cloud computing	VAC052	02	30	40		20		40
53	IoT(Basics only)	VAC053	02	30	40		20		40
54	Creative writing	VAC054	02	30	50		30		20
55	Value of games & sports	VAC055	02	30	30	40	20	10	
56	Painting	VAC056	02	30	20	50	20		10
57	Choreography	VAC057	02	30	20	50	20		10

58	Bee keeping	VAC058	02	30	40	20	10	20	10
59	First Aid in Day to day Life	VAC059	02	30	30	40	20	10	
60	Body deformities, detection and corrective modalities	VAC060	02	30	30	40	20	10	
61	Basics of agriculture	VAC061	02	30	50	10	10	20	10
62	Traditional blacksmith technology	VAC062	02	30	20	50	20		10
63	Floriculture and landscaping	VAC063	02	30	40	20	10	20	10
64	Bio floc fish farming	VAC064	02	30	20		20	40	20
65	Corrective rehabilitation	VAC065	02	30	30	40	20	10	

Course Title : NSS.
Course code: VAC001.
Credit:2.
Contact Hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
NSS	VAC001	02	30	30		20	50	

Course objectives: -
1. To understand history, aim and objectives of NSS.
2. To understand voluntarism, adopted village.
3. To help learners about NSS funding, regular activity, special camping.

Learning outcomes: -
At the end of the course, learners will able to understand
1. The knowledge about NSS aim, objective Moto, and flag.
2. The volunteerism ts roles in the field of health, hygiene, sanitation, and emergence needs so as to build a strong country.

Module – I (6 hours).
Introduction to NSS
History, philosophy, aim and objectives of NSS.

Module – II (8 hours).
Organization of NSS, funding, regular activities, special camping, adopted village, maintain records, collaboration government, agencies NGOs, NSS Moto, NSS logo, NSS day.

Module – III (8 hours).
NSS Community service; organized a social service camp in the institution campus, to understand needs of volunteerism for neat and clean, health and hygiene.

Module – IV (8 hours)
Organise an awareness camp to neighbouring village/ adopted village and write a report on that.

References: -
1. National Service Scheme Manual (Revised), (2006) Government of India, Ministry of Youth affairs and Sports ,New Delhi.
2. Dr. O. Sanajaoba Devi, (2022), NSS.
3. NSS websites.
4. NSS Diary

Course Title : National Cadet Crops (NCC)
Course code: VAC002
Credit:2
Contact Hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
NCC	VAC002	02	30	30	50	10	10	

Course Objectives:
1. To understand NCC and its History. to Manipur.
2. To understand AIM, Motto, Oath, Pledge, and Objective of NCC.
3. To understand the benefit of NCC.

Learning Outcomes: completion of the course, the students will be able to
1. Create a human resource of organized trained and motivated youth to provide in all works of life.
2. Develop character, discipline, comradeship, officer like quality, spirit of Sportsmanship and the ideals of selfless service among the youths to make them useful citizen.

Module –I: 6 hours.
Definition of NCC. Aim, objective and Motto of NCC. History of NCC .Oath, Pledge of NCC.

Module-II: 8 hours
Value and benefit of NCC.NCC cadet enrolment ,activities ,awards ,different certificates in NCC.

Module –III: 8 hours
Practical -1
Drill
Single line formation according to height. Triple lines formation of cadets .Kadamtal, Tham, Baiye moor, Daine moor, Daine serch, Chalte Chalte Pitche moor, Pitche moor.

Module IV: 8 hours
Practical -2
Contingent Marching, Kadam Badal, Daine dekh , Samne dekh ,Baiye Ghoom and Daine Ghoom. Learning words of command for captain and second captain.

References:
1. NCC Cadet Diary.
2. A hand Book of NCC,Kanti Prakashan, Etawah (UP) 206001.
3. R.Gupta's NCC, National Cadet Corps A concise Hand Book of NCC Cadets for 'A' 'B' & 'C' Certificate Examinations ,Including Model Papers &Solved Questions.
4. R.K Gupta(2020) ,NCC cadets for 'A' 'B' and 'C' Certificates

Course Title:Ek Bharat Shrestha Bharat(EBSB)

Course code:VAC003.

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Projec t work	Assignment
Ek Bharat Shrestha Bharat	VAC00 3	02	30	30		50	20	

Ek Bharat Shrestha Bharat(EBSB) is an exchange programme of Govt of India through a mixture of ministries for strengthening unity of India in diversity by way of pair tie up model of HEIs of one state with HEIs of another state launched by Prime Minister Narendra Modi on "Rastriya Ekta Diwas" birth anniversary of Sardar Ballabh Bhai Patel.

Objective:Learning objective is to strengthen the unity in diversity through Exchange Program of Govt. of India for national integration by way of celebration ,promotion, showcasing, establishment and creating environment that promotes learning best practices between two states through person to person contact.

Outcome: After completion of the course, the student will be able to understand the diversity of culture, unique cultures of pair states, traditional food and food habits, rituals and festivals of tie up states and exchange the same between pair states which in long run instill the value of oneness among fellow Indians.

Module-I:8 hours.

Basic idea, concept and background of EBSB, Purpose of EBSB , learn the culture, tradition ,food habits and food types, languages, festivals and rituals,social values and status etc of tie up states.

Module-II:6 hours.

Organise events related to EBSB in the college for mass participation of students, teachers and other stakeholders ,video conferencing with tie up HEIs of outside the state, ,

Module-III:8 hours.

Working style of EBSB, Organise Youth Fesivals, Develop writing skills in language of tie up states ,develop working knowledge of conversation in languages of pair up states.

Module-IV:8 hours.

Key activities of EBSB, Students may showcase their abilities in exchanging their tradition, culture, food habits, uniqueness of their respective states with the pair partners of other states by organizing EBSB related events

References:

1. https://ekbharat.gov.in/

2.Ek Bharat Shrestha Bharat eduwar.com.

3.Ek Bharat Shrestha Bharat Scheme Complete information 2022 eduware.com

Course Title : Thang Ta
Course code: VAC004
Credit:2
Contact Hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Thang Ta	VAC004	02	30	30	50	10	10	

Course Objectives:
4. To understand History of Thang Ta with Reference to Manipur.
5. To give knowledge about Thang Ta play field.
6. To understand the Tools and dress for Thang Ta.

Learning Outcomes: completion of the course, the students will be able to
3. Get the secret rule of playing Thang Ta. Relationship between teacher and student discipline.
4. Know the importance traditional game Thang Ta.
5. Understand basic practice of Thang Ta.

Module –I: 6 hours.
   History of Thang Ta
   Ancient history and modern history of Thang Ta with reference to Manipur. Boriba (Puja/Laikhurumba -before starting of Thang Practice with a known Thang Ta Teacher)

Module-II: 8 hours
      Fundamental Skills of Thang-Ta-1
      2.1 Khutlon -
         - Khujeng Leibi
         - Khujeng Hanbi

Module –III: 8 hours
      Fundamental Skills of Thang-Ta-2
      Khongpham – 2, 3, 4 and 5
         a. Phidup
         b. Shwor Kanglon (Ningsa Kanglon)
         c. Tarol (Khousarol)

Module IV: 8 hours
      Practical
   Learn basic steps of Thang Ta and also understand the equipment.
   (Note: Before start the practice, prayer/Puja is required with a Guru).

References:

1. L. Kokngang, Thang- Ta, 2008.
2. R.K. Sanahal, Satjal, 1972.
3. L. Heramot, Sarei – Sara, Kanglei Inat Thang-Ta Sindam Sanglen.
4. L. Heramot, Mihat Mikan, Kanglei Inat Thang-Ta Sindam Sanglen.
5. Konjengbam Biren Singh, Meitei Huyen Lanlong, Manipur State Kala Academy, 1985.
6. Gurumayum Sana Sharma, Thengourourol (Sapha Lanpha), Dance Academy, 2008.
7. Festvel of Thang-Ta, Department of Art and Culture

Course Title: Mukna
Course code: VAC005
Credit:2
Contact Hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Mukna	VAC005	02	30	30	40	20	10	

Course Objectives:
    To understand History of Mukna with Reference to Manipur.
    To give knowledge about Mukna play field.
    To understand the Scoring system, dress.

Learning Outcomes: completion of the course, the students will be able to
    Know the rule of playing Mukna.
    Know the importance traditional Mukna.
    Understand basic play, scoring, judging.

Module –I: 6 hours.
    Fundamental Skills of Mukna-1
    1.1. Phirep (Position)
    1.2. Kishi painaba (Holding of waist-belt)
    1.3. Ninggong Hunba (throw by hip)
    1.4. Kalap Kotpi (Leg lock from outside)
    1.5. Khudong Puba (Lifting the opponent to throw down)

Module-II: 8 hours
    Fundamental Skills of Mukna-2
    2,1 Longkhrou (Leg lock)
    2. 2 Chepching (Pull down by the side)
    2.3 Anikotpi (leg lock to the two legs of the opponents)
    2.4 Khongchep Haibi (Leg lock to the lower foot part of the opponent)
    2.5 Leng louba (controlling the shoulder of the opponent)

Module –III: 8 hours
 Practical -2
 Visit/Show Mukna play of the above skills .

Module IV: 8 hours
 Practical -2
 Make understanding the Mukna skills and importance in the ancient time and   modern
 time. And importance of Mukna play for body fitness.

References:

 1.Y. Irabot Singh, <u>Manipuri Games</u>, 1987.
 2.A. Raghumani Singh, <u>Meitei Inatki Masanna</u>.

Course title: Sagol Kangjei
Course code: VAC006
Credit:2
Contact Hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Sagol kangjei	VAC006	02	30	30	50	10	10	

Course Objectives:
 To understand History of Sagol Kangei with Reference to Manipur.
 To give knowledge about Sagol Kangei play field.
 To understand the Scoring system, team formation, dress of Sagol Kangei.
Learning Outcomes: completion of the course, the students will be able to
 Know the rule of playing Sagol Kangei.
 Know the importance traditional game of Sagol Kangei Kang.
 Understand basic play, scoring, judging of Sagol Kangei

Module –I: 6 hours.
 History of Sagol Kangei.
  In Manipur, National and International.

Module-II: 8 hours
 Basic rule of Sagol Kangei
   Playing court, Kangjei, Kanghu and scoring

Module –III: 8 hours
 Practical -1
 Visit to Sagol Kangei play /Discuss with a teacher

Module IV: 8 hours
   Practical -2
   To get chance to ride horse. Make understand the equipment by holding with hands,
    feels the real practice

References:

   International Polo Federation, <u>Polo Rules</u>.
   <u>Horse Riding Training Books</u>.
   <u>Horse Riding and Polo training Books</u>.
   <u>Original Style Polo Rules</u>.
   Y. Irabot Singh, <u>Manipuri Games</u>, 1987

Course title : Kang
Course code: VAC007
Credit:2
Contact Hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Kang	VAC007	02	30	30	50	10	10	

Course Objectives:
   To understand History of Kang with Reference to Manipur.
   To give knowledge about Kang play field.
   To understand the Scoring system, team formation, dress.
Learning Outcomes: completion of the course, the students will be able to
   Know the rule of playing Kang.
   Know the importance traditional game Kang.
   Understand basic play, scoring, judging.

Module –I: 6 hours.
   Fundamental Skills of Kang -1
      1.1.   Chekphei Kappa-
         -    Oi (Left)
         -   Mayai (Middle)
         -   Yet (Right)
      1.2.   Lamtha Kappa-
         -   Oi (Left)
         -   Mayai (Middle)
         -   Yet (Right)

Module-II: 8 hours
   Fundamental Skills of Kang 2
      2.1   -Marak-Changba

-    Kang Hanba
-    Kang Handaba
2.2.
Lanjang -
-        Lnnai
-        Apunba

Module –III: 8 hours
   Practical-1
Teaching of Kang Play with Kangsang .

Module IV: 8 hours
   Practical -2
Learning the scoring of the Kang play.
References:
   Kang Federation of Manipur, <u>Common Kanglon</u>, All Manipur Kang Control Board,
Imphal, 2002.
   Kh. Tolhal Singh, <u>Kang</u>, All Manipur Kang control Board, Imphal, 1987.
   Govt. of Manipur (YAS), <u>Kang Federation gi Kanglon</u>, 1996***

Course Title :Yoga
Course code: VAC008
Credit:2
Contact Hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Yoga	VAC008	02	30	30	40	20	10	

Course objectives: -
1. To understand history, aim and objectives of Yoga.
2. To understand the practice of Asthanga Yoga, Satkaram, Mudras and Banthas
3. To understand modern trends & yoga life.

Learning outcomes: -
At the end of the course, learners will able to
1. Basic Yoga practice of asanas, pranayama, satkarams, banthas and mudras
2. Application of Yogic practice in day today life.

Module – I: 6 hours
   Basic concept of Yoga:
   Meaning and definition of Yoga. History, type of yoga and importance of Yoga.

Module – II: 8 hours
   Applied yoga:
   Bhirang yoga (Yama, Niyama , Asanas, ,Pratihara) , Antarang yoga (Dharna ,Dhyana
   and Samadhi) .

Module – III : 8 hours.
    Practical -1
    Practice of Suriya namaskar, Asanas and Pranayama:
    Suriya namaskar 12 poses.
    Asana-
    Standing Pose: Padahasta asana, Arthachakra asana, Artha Chandra asana,
              Trikinasana,
        Sitting Pose: Danda asasna, Bajara sanas, Pachimotana asana, Ustra asana,
           Artha masendra asana.
        Prone Pose : Bhujanga ,Salva, Nouka,Dhanurasana.
        Supine pose: Nava asana, Setubanda asana, Halasana, Sarvanga asana.
           Sava asana.

Module – IV: 8 hours
    Practical -2
    Practice of Pranayama, Bandha, Meditation and satkaram.

Note: Students should wear loose and comfortable dress at the time of practice.
References: -
1. J. Nath, 1997. Yoga for Children.
2. BKS Iyengar (2001), Light on Yoga, Harper Collins Publisher India.
3. Swami Sivananda ,(1995)Essence of Yoga ,Divine Life Society ,Yoga Vedanta Forest Academy press .Shivanandanagar.

Course title:Environmental ethics.

Couse code:VAC009.

Credit:02.

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Environmental Ethics	VAC009	02	30	40	20	10	20	10

Environmental Ethics is a philosophical study that examines the ethical relationship of humans and environment in checking the moral relationship with the surroundings- earth, animals and plants.

Objective: Learning objective is to provide ethical relationship of human and environment for sustainability of natural resources for future generation.

Outcome: After mastering the course ,the students will be able to understand the environmental problems such as water and air pollution, depletion of natural resources, biodiversity and destruction of ecosystem *vis-a vis* global climate change and think of solution using the principles of environmental ethics.

Module-I:8 hours.

Introduction to environmental ethics, Its history, examples and importance of environmental ethics, conservation ethics.

Module-II:8 hours.

Principles and philosophical aspects of environmental ethics, Types of environmental ethics.

Module-III 8 hours.

Issues of environmental ethics and challenges.

Module-IV:6 hours.

Right- based ethics with examples, Ethics and morals, Promotion of ethics.

References:

1. The Oxford Handbook of Environmental Ethics 2016 Edited by Stephen M. Gardiner, Allen

Thompson, Oxford.
2. Niranjan Dev Bharadwaj 2017,Environmental Ethics and India's Perspective on Environment.

3. Ananda Mishra, Devendra Nath Tiwari,2012. Environmental Ethics :Indian Perspectives.

4.Environmental science :Botany and forestry perspective by Sett,Rupnarayan.

Course title:Basics of Environmental audits.

Course code:VAC010.

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Basics of environmental audits	VAC010	02	30	40	10	20	20	10

Environmental audits is an assessment by any organization's activities and practices that minimizes harm to environments .All leading companies or organizations carry out environmental audits to assess the impact on environment.

Objective: The learning objective is to provide the basics of environmental audits for practical application.

Outcome: Mastering this course will help the students to carry out environmental audits of their institutions.

Module-I:8 hours.

Introduction to environmental audits, Types of environmental audits, conducts of environmental audits. Role of pollution control board in environmental audit

Module-II:6 hours.

Enironmental indicators, Environmental audits in India, Role of environmental auditors.

Module-III:8 hours.

Objectives of environmental auditing ,Environmental issues, Process of environmental audits.

Module-IV:8 hours.

Benefits of environmental audits, , Scope of environmental audits, Importance of environmental audits, Environmental audit report.

References:

1.Environmental auditing by A.K.Shrivastava.

2.Environmental audit by Hemant Pathak.

3.Environment and biodiversity by Gupta/Gupta.

4. https://atira.in/environmental-audit-guide.

Course title:E-waste management.

Course code:VAC011.

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstratio n	Laboratory/ Presentation	Field work/ Project work	Assignment
E-waste management	VACO11	02	30	50			50	

Course Objectives: The course will introduce the effective mechanism to regulate the generation, collection, storage, transport, import, export, recycling, treatment and disposal of e-wastes and their legislative rules.

Outcomes:

1. Know about the environmental impacts of e-waste.
2. Apply various concepts learned under the e-waste management hierarchy.
3. Distinguished the role of various national and internal acts and laws applicable for e-waste management and handling.
4. Analyze the e-waste management measures proposed under national and global legislation.

Module -I: 8 hours

Introduction. E-waste; composition and generation. Global context in e- waste; E-waste pollutants, E-waste hazardous properties, Effects of pollutant (E-waste) on human health and surrounding environment, domestic e-waste disposal, Basic principles of E-waste management, Component of E-waste management.

Module – II: 8 hours

Technologies for recovery of resources from electronic waste, resource recovery potential of e-waste, steps in recycling and recovery of materials-mechanical processing, technologies for recovery of materials, occupational and environmental health perspectives of recycling e-waste in India. Essential factors in global waste trade economy, Waste trading as a quint essential part of electronic recycling, Free trade agreements as a means of waste trading.

Module – III: 8 hours

E-waste control measures: Need for stringent health safeguards and environmental protection laws in India, Extended Producers Responsibility (EPR), Import of e-waste permissions, Producer-Public-Government cooperation, Administrative Controls & Engineering controls, monitoring of compliance of Rules, Effective regulatory mechanism strengthened by manpower and technical expertise, Reduction of waste at source.

Module – IV: 6 hours

E-Waste Management Rules of India (2011 and 2016 Rules)

Reference Books:

1. Hester R.E., and Harrison R.M. 2009. Electronic Waste Management. Science.

2. Fowler B. 2017. Electronic Waste – 1 st Edition (Toxicology and Public Health Issues). Elsevier.

3. Johri R., "E-waste: implications, regulations, and management in India and current global best practices", TERI Press, New Delhi.

Course title: Solid Waste Management

Course Code: VAC012

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstratio n	Laboratory/ Presentation	Field work/ Project work	Assignment
Solid waste management	VACO12	02	30	30	10	5	50	5

Objectives:

- The course will facilitate management of various categories of waste viz solid waste, plastic, biomedical waste, e-waste etc. including source segregation, collection, disposal, processing and recycling.

Outcomes: Upon completion of the course, the student will be able to

- understand the impact of solid waste on the environment and the need for proper disposal and management.
- understand environmental monitoring and legal aspects of waste disposal

Module -I: 6 hours

Generation and characteristics of solid wastes: sources, types, composition, quantity, characteristics and factors affecting generation of solid wastes.

Module – II: 8 hours

Collection and storage of municipal solid wastes, house to house collection, onsite storage, recycling and reuse of solid wastes, transportation methods and need for transfer and transport of wastes.

Module – III: 8 hours

Wastes processing techniques - biological and chemical conversion technologies, vermi-composting, mechanical composting, in vessel composting, incineration, pyrolysis, gasification.

Module – IV: 8 hours

Disposal of solid wastes, segregation, volume reduction, recovery and recycle, dumping of solid wastes, sanitary wastes, sanitary landfills, site selection for landfills, landfill gas management, landfill closure, environmental monitoring, legal aspects of waste disposal.

Reference:

1. *Waste to Resources: a waste management handbook TERI Press, New Delhi*
2. *Solid Waste Management: Present and Future Challenges by AL. Ramanathan Jagbir Singh*

Course title:Non violence and world peace.

Subject code:VAC013.

Credit:02.

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Non violence and world peace	VAC013	02	30	50	20	10	10	10

 Internal as well as external peace is essential for individual ,family, community,society,state ,country and the world as a whole in order to create a peaceful man made environment in consonance with nature. To achieve this ,we must learn to practice non-violence means of solution with one another in our interaction with others at all levels of existence. We must have strong commitment to peace building and prevention of conflict

.**Objectiv:**The learning objective is to inculcate the practice of non violence means of co-existencein young minds.

Outcome: Mastering the course and going through relevant literature , students should be able to understand the power of non violence in achieving rights of people through peaceful means.

Module-I:8 hours.

Introduction to non-violence and world peace, principles of non-violence,meaning of world peace,Types of non violence,non-violent culture.

Module-II:8 hours.

Gandhi's principle of non-violence,Inspirations from non-violent world leaders,global effect of non violence,Characteristics of non violence.

Module-III:6 hours.

Advantages of non violence,International day of non-violence,Importance of non-violence in todays world.

Module-IV:8 hours.

Non violent movement in India, Role of non-violence and peace in society, practice of non-violence speech on international day of non-violence.

References:

1.Gandhi on non-violence by Thomas Merton.

2.The power of non-violence by Richard Gregg,Edited by James Tully,Cambridge University Press.

Course title: Digital Marketing

Course code: VAC014.

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Digital marketing	VACO14	02	30	50		30		20

Course Objectives:

In simple terms, digital marketing is the promotion of products or brands via one or more forms of electronic media. Digital marketing is often referred to as online marketing, internet marketing or web marketing.

Outcomes:

Digital marketing objectives should be SMART (Specific, Measurable, Achievable, Relevant and Time Related); and you should benchmark against your competitors to ensure that you are more effective.

Module -I: 8 hours

Introduction to Digital Marketing: What is digital marketing? How is it different from traditional marketing? ROI between Digital and traditional marketing? Discussion on Ecommerce. Discussion on new trends and current scenario of the world? Digital marketing a boon or a Bane? How can digital marketing be a tool of success for companies? Video on importance of digital marketing. Analysis of recent info graphics released by companies about digital marketing? How did digital marketing help the small companies and top inc, Categorization of digital marketing for the business. Diagnosis of the present website and business. Swot analysis of business, present website and media or promotion plan.Setting up vision,mission,and goals of digital marketing

Module – II: 6 hours

Search Engine Optimization (SEO) : On page optimization techniques, Off page Optimization techniques, Reports

Module – III: 8 hours

Social Media Optimization (SMO):Introduction to social Media Marketing. Advanced Facebook Marketing. Word Press blog creation. Twitter marketing. LinkedIn Marketing. Google plus marketing. Social Media Analytical Tools

Module – IV: 8 hours

Search Engine Marketing: Introduction to Search Engine Marketing. Tools used for Search engine Marketing. PPC /Google Adwords Tool. Display advertising techniques. Report generation

Reference Books:

1. Ryan, D. (2014). Understanding Digital Marketing: Marketing Strategies for Engaging the Digital Generation, Kogan Page Limited.
2. The Beginner's Guide to Digital Marketing (2015). Digital Marketer. Pulizzi,J.(2014) Epic Content Marketing, Mcgraw Hill Education.

Course title: Exercise, beauty and wellness
Course code: VAC015
Credit:2
Contact Hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Exercise, Beauty and wellness	VAC003	02	30	30	30	30	10	

Course Objectives:
7. To understand exercises.
8. To understand concept of beauty and its importance.
9. To understand wellness.

Learning Outcomes: completion of the course, the students will be able to
6. Know the rule of exercises.
7. Know the importance of beauty in society and its impact
8. Understand wellness in life

Module –I: 6 hours.
  Exercises
  Definition of exercises, types of exercises, benefit of exercises on body systems.
  Cardiovascular and strength exercises for better body shape.
  and wellness.

Module-II: 8 hours
  Meaning and definition of beauty. Criterions of beauty: -body shape, facial feature, skin tone, height, clothing style, hair style and body weight. Body shape measurement -BMI (Body Mass Index) and WHR (West Hip Ratio). Role of exercises on body beauty.

Module –III: 8 hours
  Definition of wellness. Type of wellness: -Spiritual wellness, Emotional wellness, Physical Wellness and Social wellness. Methods of training for wellness: exercises, yogic practice (Asthanga yoga) ,Satsanga (meeting with spiritual person).

Module IV: 8 hours
  Practical

Exercise protocol for body shape. Practice of Asanas, Pranayama, Meditation.

Discussion & Interaction on:

Practice of Yama (Great Universal Commandments): -Ahimsa-Non-violence, Satya-Truth, Asteya-Non -stealing, Bramacharya-Self -control and Aparigraha-Unselfishness. Niyama-Soucha-Cleanliness, Santosha -Contentment, Tapas-Great effort, Svadhyaya-Self-study and Ishwora pranidhana-Faith in God.

References:

1. **Carolynkisner -LYNNALLEN Colby John Borstad (2018)Therappeutic Exercises** Foundation and Techniques -7 edition
2. Swati Chanchani ,Ragiv Chanchani (1997) Yoga for Children ,UBSPD – UBS Publishers' Distribution Ltd.

Course title: Personality Development

Course code: VAC016

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Personality development	VACO16	02	30	30		50	10	10

Objectives:

- develop self-confidence, enhance self-esteem and improve overall personality,
- grooming through sensitizing about proper behaviour

Learning Outcomes: upon completion of the course, the student will be able to

- perform better in their roles as leaders based on situations,
- create awareness with regards to different aspects of interpersonal relations

Module -I

Introduction to leadership, leadership power, leadership styles

Module – II

Introduction to communication, flow of communication, listening skills, barriers of communication

Module – III

Team interactions in group, group building, group discussion and decision making, team building, interaction with team

Module – IV

Conflict: causes of conflict, managing conflict, stress, causes of stress, stress & time management

Reference:

1 .Personality Development and Soft Skills by Barun Mitra

2. Personality Development by Swami Vivekananda

Course title: News Reporting and Anchoring

Course code:VAC017

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
News reporting and anchoring	VACO17	02	30	30		50	20	

Course Objectives:

1. Understanding the types of media
2. Acquiring an idea about the media technology

Learning Outcomes: At the end of the course, students will be able to:

1. understand basics of reporting and skills of anchoring
2. have a better understanding of the media profession
3. learning about qualities and skill set required for news reporting & anchoring

Module -I: 6 hours

Brief history of Radio & TV, Basics of print & electronic media, writing for TV & Radio.

Module – II: 8 hours

Camera facing, microphones, studio lights, understanding own voice, tips and techniques for voice grooming, reading with punctuations

Module – III: 8 hours

Interview skills, field reporting for TV news, anchor styling; TV dress code for men and women, make up.

Module – IV: 8 hours

Writing audio visual script for news, legal issues, code of journalistic ethics & professional morality

Reference:

3. Herbert Zettl, Television Production Handbook.
4. Allen, Robert c and Hill Annette Hill, The Television Reader, Routledge, Ed- 2004.
5. News Bulletins in English and Hindi on National and Private Channels (as teaching material).
6. Debates and Talk Shows on National and Private Channels (as teaching material).

Course title: Interpersonal Skill Development
Course code: VAC018
Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Interpersonal skill development	VACO18	02	30	30		40	20	10

Course Objectives:
- understand nature of interpersonal communication,
- understand interpersonal nature of giving feedbacks, receiving criticisms, resolving conflicts,
- establish attentive listening as an assertion strategy,
- understand meeting skills as interpersonal skill

Learning Outcomes: upon completion of the course, the student will be able to

- learn interpersonal developments, proper mobilisation and utilization of resources,
- discuss learning goals, contribute to self-learning environment, learn and diagnose feedback systems,
- critical appraisal of the feedback, learn easy ways to problem-solving, try to solve conflicts,
- develop social and general awareness about things

Module -I

Pride in Indian nation, Commitment to democratic values and pluralism, secular outlook, analytical approach

Module – II

good communication skills, determination, command for language, discipline, hard work, enterprising, integrity, moral values, paying attention to others, active listening, empathy

Module – III

Perseverance, Planning, Practical approach, Promptness to take decision, sense of belongingness, sincerity, Smile, Appreciation

Module – IV

Flexible approach, sensibility, supportiveness, understanding the expectations of the others, politeness, emotional intelligence, willingness to handle with the expected risky situations

Reference:
7. Paterson, R, (2001). The assertive book. Mumbai: Magna Publishing Co.
8. Adler, R, & Elmhorst, J. (2002). Communicating at Work (7th ed.) Mc Graw-Hill
9. Effective Presentation Skills – Robert Dilts, Meta Publications

Course title: Soft Skills

Course code: VAC019

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Soft skills	VAC019	02	30	30	10	40	20	

Soft skill includes developing work ethics, sound and positive attitude, curiosity to learn, cultural sensitivity, fine business manners and values including effective communication skills

Course Objectives: After completing the course, students will be able to present themselves in effective and attractive manner.

Learning Outcomes: Dealing with nerves and positive thinking for public speaking, understand ways of grabbing listeners' attention, holding listeners' interest and concluding strongly, Use of body language and tone of voice to enhance their presentations, Use of PowerPoint/slides and visual aids effectively

Module -I

Introduction to soft skills: Oral/ spoken communication skill & testing- voice and accent, voice clarity, voice modulation and intonation, word stress, 5Ws & 1H & 7 Cs for effective communication, empathies, Etiquette and manners.

Module – II

Conviction, confidence & enthusiasm, good and bad listening, Body language & practice, attitudes (positive & negative), good personality, mutuality, trust, emotional bonding, swot analysis.

Module – III

Self-Management: self-evaluation, self-discipline, self-criticism, recognition of one's own limits and deficiencies, independency, thoughtful & responsibilities, identifying one's strengths and weakness, planning & goal setting, managing self – emotions, ego, pride

Module – IV

Time management, success mindset, 7th habits of highly effective people, interpersonal skills, Presentation skill, interview skill, problem solving, critical thinking, creative ideas, discussions.

Reference:

1. Soft Skills Enhancing Employability – M. S. Rao
2. Soft Skills for Workplace Success, SAGE Publications India Pvt. Ltd
3. Effective Presentation Skills – Robert Dilts, Meta Publications
4. Presentation Skills 2011

Course title: Cyber Security

Course code: VAC 020.

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Cyber security	VAC020	02	30	50				50

Course Objectives: Cyber Security is the study of how computer systems and networks can be protected from theft or damage to their hardware, software or electronic data, and also the disruption of the services that they provide. The study of Cyber Security plays an important

role because the use of social media is in demand these days, and there should be control over the data that is shared by people.

Outcomes:

1. To understand various types of cyber-attacks and cyber-crimes
2. To learn threats and risks within context of the cyber security
3. To have an overview of the cyber laws & concepts of cyber forensics
4. To study the defensive techniques against these attacks

Module -I: 8 hours

Introduction, Computer Security, Threats, Harm, Vulnerabilities, Controls, Authentication, Access Control and Cryptography. Web attack: Browser Attacks, Web Attacks Targeting Users, Obtaining User or Website Data, Email Attacks. Network Vulnerabilities: Overview of vulnerability scanning, Open Port / Service Identification, Banner /Version Check, Traffic Probe, Vulnerability Probe, Vulnerability Examples, OpenVAS, Metasploit. Networks Vulnerability Scanning (Netcat, Socat), Network Sniffers and Injection tools.

Module – II: 6 hours

Internet crime and Act: A Brief History of the Internet, Recognizing and Defining Computer Crime, Contemporary Crimes, Computers as Targets, Contaminants and Destruction of Data, Indian IT ACT 2000

Module – III: 8 hours

Cyber Crimes, Types of Cybercrime, Hacking, Attack vectors, Cyberspace and Criminal Behavior, Clarification of Terms, Traditional Problems Associated with Computer Crime, Introduction to Incident Response, Digital Forensics, Computer Language, Network Language, Realms of the Cyber world.

Module – IV: 8 hours

Firewalls and Packet Filters, password Cracking, Keyloggers and Spyware, Virus and Warms, Trojan and backdoors, Steganography, DOS and DDOS attack, SQL injection, Buffer Overflow, Attack on Wireless Networks

Reference Books: :

1. Cyber Security Essentials, James Graham, Richard Howard and Ryan Otson, CRCPress.
2. Introduction to Cyber Security, Chwan-Hwa(john) Wu,J. David Irwin, CRC Press T&FGroup.

Course title: Documentary Film Making

Course Code: VAC 021

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Documentary film making	VACO21	02	30	40	10	10	20	20

Course Objectives:

- provide skills and different approaches to study and analyse the documentary films
- focus on practical film making
- introducing students to how to visually express social issues

Learning Outcomes: At the end of the course, students will be able to:

1) identify topics/issues for making of a documentary film
2) gain knowledge of scriptwriting, narration, shooting and editing of a documentary film
3) acquire skills necessary to produce interesting and creative documentary films.
4) experience how to critically analyse contemporary documentary films and will engage in debate over content, style and subject matter.

Module -I: 6 hours
Definition of a documentary film – discuss various types. Identify issues and topics for making a documentary film, difference between documentary film and feature film.
Assignment - Provide list of documentaries to be screened outside the classroom.
Module – II: 8 hours
Shooting for a documentary film, Preparing the treatment before the shoot.
Assignment - Screen camera tutorial and read manual.
Module – III: 8 hours
Story development, Character development, Research techniques, Interview techniques.
Assignment - Active Interview. How to conduct an interview.
Module – IV: 8 hours
Scripting, Narration /Voice Over, Visualisation

The following are the major areas by which each assignment may be reviewed and graded: Video stability, Tri-pod usage, Hand-held shots, jump cuts, Content, Following directions of assignment, Audio quality, Framing, Screen Direction, Use of proper settings on camera, Pacing, Sequencing, Use of audio, Storytelling

Reference:

1. Alan Rosenthal, 2002. Writing, Directing & Producing Documentary Films and Videos, 3rd ed. Southern Illinois University Press, USA
2. Clark, Roy Peter, 2008. Writing Tools.US: Brown and Company.
3. Johnson, Jeannie,2007. Why Write Poetry? US: F. D. Univ. Press.

Course title: Financial Literacy

Course code: VAC 022.

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Financial literacy	VAC022	02	30	50			30	20

Course Objectives: Financial literacy is essential in meeting the financial challenge of the 21st Century. The competencies, which form the basis for this course, enable students to analyze their personal financial decisions, evaluate the costs and benefits of their decisions, recognize their rights and responsibilities as consumers, and apply the knowledge learned in school to financial situations encountered later in life.

Outcomes:

It will make a more responsible individual with a disciplined approach to money and helps people from overspending and inculcates a habit of savings and investments.

Module -I: 6 hours

Basics of Savings and Investment: Why are investing and savings important? Savings Vs Investment, Power of Compounding, What should be the investment objectives? Risk and Return, Inflation effects on Investment, Investor's Age and Assets Allocation

Module – II: 8 hours

Banking Activities: Deposits and Types of Deposits-Saving Bank Accounts, Fixed Deposit Accounts, Recurring Deposit Account, Special Term Deposit Schemes, Loans and Types of loan advanced by Banks and Other secondary functions of Bank. Banking structure in India and Role of Reserve Bank of India

Module – III: 8 hours

Financial Markets: Capital Market Vs Money Market, Securities and its types, i.e., Equity, Debentures or Bonds, IPOs and FPOs, Mutual Funds, Types of Mutual Funds, Brokers, sub-brokers, Process for becoming a capital market investor

Module – IV: 8 hours

Protection Related products: Insurance Policies, Life Insurance, Term Life Insurance, Endowment Policies, Pension Policies, ULIP, Health Insurance and its Plans, Understanding of Ponzi Schemes

Reference Books:

1. Investment Planning by SEBI

2. Indian financial System, by T. R. Jain and R. L .Sharma, VK Global Publisher

3. Money and Banking by T. R. Jain and R. K. Kaundal, VK Global Publisher

Course title: Banking Service and Insurance

Course code: VAC023.

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Banking Service and Insurance	VAC023	02	30	50			30	20

Course Objectives: To equip the learners with knowledge, skills and attitude to meet the requirements of the job market in the banking and insurance sectors. To develop critical appreciation regarding the concepts, principles and theories related to Banking and Insurance.

Outcomes:

1. State the general concepts, principles, theories and legal aspects related to banking and insurance.
2. Demonstrate application of the learnt concepts and principles in practical situations.
3. Understand integrated strategies using tools and techniques to meet the emerging opportunities and challenges in banking and insurance.

Module -I: 6 hours

Evolution of banking, Origin of the Word Bank, Meaning and definition of bank. Evolution of banking in the west, Evolution of banking in India.

Module – II: 8 hours

Functions of Bank: Accepting deposits: Demand Deposits: Current & savings; Time deposits – Recurring & Fixed deposits. Granting Loans & Advances- Term loan, Short-term credit, Overdraft, cash Credit, Purchasing & discounting of bills. Agency functions - payment & collection of Cheques, Bills & Promissory notes, Execution of standing instructions, Acting as a Trustee, Executor. General Utility Functions: Safe Custody, safe deposit vaults, Remittances of Funds, Pension Payments, Acting as a dealer in Foreign exchange.

Module – III: 8 hours

Procedure for opening & operating of deposit account, KYC, Demand Drafts, cheque, Mail transfer, Telegraphic transfer, Electronic Funds Transfer

Module – IV: 8 hours

Introduction To Insurance, General Insurance, Life Insurance, Role of insurance in Logistic

Reference Books:

1 Insurance- Principles & Practises of Insurance – G.S. Pande.

2 Insurance- Principles & Practises- M.N. MIshra.

3 Insurance- Principles & Practises - C. Gopalkrishna.

4 Life Insurance in India - G.R. Desai.

5 Theory & Practice of Life Insurance – Mitra.

Course title : Art of Living and Spiritualism
Course code: VAC024
Credit:2
Contact Hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Projec t work	Assignment
Art of Living and Spiritualism	VAC024	02	30	30	40	10	10	10

Course Objectives:
9. Create opportunities for youth to develop their interpersonal skills.
10. Enhance abilities of youth to handle stressful conditions.
11. Improve relationship between teachers and students.
Learning Outcomes: completion of the course, the students will be able to
1. Know the skillful communication.
2. Know the time management and goal setting.

3. Understand the responsibility to society and emotional Intelligence

Module –I: 6 hours.

Self-Development

Skillful communication, Breath and Emotion. Mind Management, Ego, confidence and peer pressure, time management and goal setting, stress, Nutrition and our body.

Module-II: 8 hours

Human Value

Responsibility to society, Leadership, Emotional Intelligence, Life style and environment, EMI-Ethics Memory and Integrity Drug abuse and Awareness**.**

Module –III: 8 hours
Discussion and Practice -1

1. Introduction and welcome.
2. Tips & Tricks for effective interviews
3. Types of Listening and Questioning
4. Power Breathing and Meditation.
5. Judgment and Acceptance**.**
6. Ego handling Technique.
7. To enhance learning ability.
8. Stress and Emotion

Module IV: 8 hours

Discussion and Practice -2

1. Impact of different foods on the body, mind, and emotions.
2. Interpersonal Relations.
3. Root cause of anger and practical techniques to manage anger.
4. Drugs and Alcohol and their Effects on the Body, Mind, and Emotion.
5. Causes of youth taking to drugs: Low self-confidence, curiosity, poor relationship with parents, lack of an alternate high and academic stress.
6. Substance abuse can weaken immune function.
7. Get rid of substance-induced anxiety and insomnia with proven techniques.
8. Role of youth in being future leaders of the nation.

References:

8. Motivating UG Students Towards Studies, Rajeev Sangal, IITBHU Varanasi, Gautam Biswas, IIT Guwahati, Timothy Gonsalves, IIT Mandi, Pushpak Bhattacharya, IIT Patna, (Committee of IIT Directors), 31 March 2016, IIT Directors' Secretariat, IIT Delhi.
9. INSTITUTIONAL PROGRAMS, NTC Desk .The Art of Living 21 km Kanakapura Rd, Udayapura, Bangalore 560082 inst.collabs@in.artofliving.org 702211987

Course Title:IPR

Course code:VAC025.

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
IPR	VAC025	02	30	50	20	10	10	10

Intellectual property right(IPR) protects the legal right of an individual for their industrially useful innovation and many other unique invention and discoveries that leads to the economic development of a country.

Objective:Learning objective is to provide the basics of IPR to protect innovative ideas of intellectuals.

Learning Outcome: On completion of IPR courses, learning fosters students to generate innovative ideas and their protection rights as enshrined in Indian IPR Act.

Module-I:8 hours.

Introduction to Intellectual property rights (IPR),History of IPR, Types of IPR.

Module-II:8 hours.

 Benefits of IPR, Examples of IPR:. GI Tags crop of Manipur(Tamelong orange,Wangkhei phee, Moirang phee,Kachai lemon,etc), Protection of IPR.

Module-III:6 hours.

IPR Acts and developments of IPR Acts in India.

Module-IV:8 hours.

IPR Registration, Patent Registration procedures,Copy right.

References:

1. V. K. Ahuja,2009. Intellectual Property Rights in India.

2.Janice M Muller,2010.The tiger awakens:The tumultuous transformation of India's patent system and the rise of Indian pharmaceutical innovation.

3.P.Narayanan,Patent law 7(3ʳᵈ edition 1998,Eastern law house,New Delhi.

4.Amiya KumarBagchi,Indian Patents Act and its relation to Technological developmentin India:A preliminary investigation,Econ & pol.Wkly at 287(Feb 18,1984).

Course title: Women Empowerment

Course code: VAC026

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Women empowerment	VACO26	02	30	40		50	10	

Course Objectives:

- promoting women's sense of self-worth, ability to determine own choices, and right to influence social change for themselves and others.
- To think, behave, manage, take action and make decisions toward empowerment of women.

Learning Outcomes: At the end of the course, students will be able to

- raise self -esteem and self- confidence of women.
- eliminate discrimination and all forms of violence against women and girl child.
- understand constitutional and legal provisions and safeguarding rights of women.

Module -I: 6 hours

Meaning, concept, nature, objectives & target of women empowerment. History of women movement in Manipur.

Module – II: 8 hours

Determinants of women empowerment: Education, health, social life, economic status, communications skills, political life, cultural life, and decision making.

Module – III: 8 hours

Women activism, protest and civil society organisations for women, Indian Constitution and Women Rights, National Commission for Women

Module – IV: 8 hours

Main problems of Manipuri women and suggestions for solving the problems. Women empowerment through Panchayati Raj, Central Social Welfare Board, State Social Welfare Board for Women Empowerment.

Reference:

Maithreyi Krishna Raj, (1986): Women Studies in India: Some Perspectives. Popular Prakashan Mumbai

Mies, Maria. (1980). "Indian Women and Patriarchy. Concept Publishing Company, New Delhi

Basu, Aparna (1990): The Role of Women in the Indian Struggle for Freedom

R. Nanda, "Indian Women: From Purdah to Modernity"

Course title   : Khulang Eshei

Course Code   : VAC027
Credits   : 2 (Two)
Contact Hours   : 30.

Course Title	Course Code	Total Credits	Contact Hours	Assessment Weightage				
				Written	Practical Demonstration	Laboratory/ Presentation	Field Work/ Project Work	Assignment
Khulang Eshei	VAC027	2	30	20	50	20		10

Course Objective:

The course aims to provide important information and lessons regarding the Khulang Eshei (the narrative performing arts)of Manipur and its different forms.
Course Learning Outcome:

Students shall be able to learn important lessons on narrative performing arts of Manipur and be able to appreciate the unique art form.

Module-   I : Historical background of Khulang Eshei   (6 hrs)
Module- II : Important constructs of Khulang Eshei   (8 hrs)
Module- II I: Voice modulation and vocal register   (8hrs)
Module- IV : Oral composition and performance strategies   (8 hrs) .

References

1. Sundari, *Khongjom Parba*
2. Makomani Mongshaba, *Manipuri Sanskrita da Pena*
3. Laishram Birendrakumar Singh,*Manipuri Khunung Esei Khomjanba*
4. Laishram Birendrakumar Singh, *Manipuri Eseigi Wakhalon*
5. R.K. Achoubi Sana. *Pena Anoi*

Course title : **Maibi Laiching Jagoi**
Course Code : **VAC028**
Credits : **2 (Two)**
Contact Hours : **30.**

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Maibi Laiching Jagoi	VAC028	02	30	20	50	20		10

Course Objective:

The course aims to provide important information and lessons regarding the Maibi Laiching Jagoi of Manipur and its different forms.

Course Learning Outcome:

Students shall be able to learn important lessons on regarding the Maibi Laiching Jagoi of Manipur and be able to appreciate the unique art form.

Module   I: Conceptual background of Maibi Laiching Jagoi   (6 hrs)
Module II: Dance favoured in Lai-Haraoba Tradition   (8hrs)
Module III: Technique of Maibi Laiching Jagoi and their meaning   (8hrs)
Module. IV Performance of Maibi Laiching Jagoi   (8hrs)

References
1. Ng. Kullachandra Singh, *Meitei Laihaoba*
2. Dr. Kh. Ratan Singh, *Lai Haraoba of Manipur*
3. W. Lukhoi, *Lai Haraoba*
4. R.K. Nobindra Singh, *Kanglei Haraoba*

Course title : **Pung Cholom**
Course Code : **VAC029**
Credits : **2**
Contact hours : **30.**

Course Title	Course Code	Total Credit	Contact Hours	Assessment Weightage				
				Written	Practical Demonstration	Laboratory/ Presentation	Field Work/ Project Work	Assignment
Pung Cholom	VAC029	2	30	20	50	20		10

Course Objectives:

i) To introduce the students about the Pung and its techniques of playing
ii) To understand the Cholom, its different kinds and techniques of Cholom.
Course Learning Outcomes:
i) Students are expected to have acquired the concepts of Pung and importance of Cholom
ii) Students shall be able to play pung in specific taalas with choloms
iii) Students are expected to be familiar with the Sloka & Mukha Bols of different taalas

Module I: Introduction to Pung,and their techniques of playing style
(6 hrs)
Module II: Techniques of cholom in different taalas and Sloka & Mukha Bols and their uses

  (8 hrs)
Module III: Some important Basic Steps of Pung Choloms   (
Module IV: One item of Pung Cholom with some important Sloka and Mukhabol of
different taalas.   (8 hrs)

References:
1. M. Thoiba Singh, *Meitei Punglon Sheikonnabi Tanchap Pareng,* 20014.
2. E Chaobhal Singh, *Nata Cholom Wa Machang,* E chaobhal Singh,2016.
3. G.Surchand Sharma, *Meitei Jagoi Anisuba Sharuk,* 1965
4. Thangjam Chaoba Singh, *Nata Sankirtana Cholom*
5. M. Thoiba Singh, *Meitei Punglon Raga*

Course title   : Dholok Cholom
Course Code   : VAC030
Credits   : 2
Contact hours   : 30.

Course Title	Course Code	Total Credit	Contact Hours	Assessment Weightage				
				Written	Practical Demonstration	Laboratory/ Presentation	Field Work/ Project Work	Assignment
Dholok Cholom	VAC030	2	30	20	50	20		10

Course Objectives:
i) To introduce the students about the Dhon &Dholok and its techniques of playing
ii) To understand the Cholom, its different kinds and techniques of Cholom.
Course Learning Outcomes:
i) Students are expected to have acquired the concepts of Dhon & Dholok and importance of Cholom
ii) Students shall be able to play Dhon &Dholok in specific taalas with choloms

Module- I: Historical background of Dhon - Dholok Cholom
(6 hrs)
Module - II: Techniques of cholom in different taalas and Sloka & Mukha Bols and their uses   (8 hrs)
Module- III: Some important Basic Steps of Dhon & Dholok Choloms
(8 hrs)
Module- IV: One item of Dhon & Dholok Cholom with some important Sloka and Mukhabol of   different taalas.   (8 hrs)

References:
1. M. Thoiba Singh, *Meitei Punglon Sheikonnabi Tanchap Pareng,*,20014.
2. E Chaobhal Singh, *Nata Cholom Wa Machang,* E chaobhal Singh,2016.
3. G.Surchand Sharma, *Meitei Jagoi Anisuba Sharuk,* Imphal 1965

Course title   : Pena
Course Code   : VAC031
Credits   : 2
Contact Hours : 30.

Course Title	Course Code	Total Credit	Contact Hours	Assessment Weightage				
				Written	Practical Demonstration	Laboratory/ Presentation	Field Work/ Project Work	Assignment
Pena	VAC031	2	30	20	50	20		10

Course Objective:

The paper aims to introduce the students to Pena – a traditional musical instrument of Manipur and its use in different music forms. It also aims to make the students aware of the origin of the musical instrument.

Course Learning Outcome:

Students are supposed to have a clear understanding of the use and significance of Pena and the history associated with the instrument.

Module I: Historical background of Pena and structure of Pena instrument
(6 hrs)

Module II: Aesthetical concept of Pena instrument
(8 hrs)

Module III: Nine special Singing style of Pena
(8 hrs)

Module IV: One song of Pena of Yakairol (invocation)
(8 hrs)

References

1. Makhonmani Mongsaba: *Manipuri Sanskritida Pena*
2. L. Birendrakumar Singh: *Manipuri Khunung Eshei Khomjinba*
3. _____ : *Manipuri Eshei Wakhallon*
4. R.K. Achouba sana Singh: *Pena*

Course title   : Khongjom Parva

Course Code   : VAC032
Credits   : 2
Contact Hours   : 30.

Course Title	Course Code	Total Credit	Contact Hours	Assessment Weightage				
				Written	Practical Demonstration	Laboratory/ Presentation	Field Work/ Project Work	Assignment
Khongjom Parva	VAC032	2	30	20	50	20		10

Course Objective:

The course aims to provide important information and lessons regarding the narrative performing arts of Manipur and its different forms.

Course Learning Outcome:

Students shall be able to learn important lessons on narrative performing arts of Manipur and be able to appreciate the unique art form.

Module- I: Historical background of Khongjom Parva   (6 hrs)
Module II: Context for khongjom Parva in Manipuri society   (8 hrs)
Unit III: Voice modulation and vocal register   (8 hrs)
Unit IV: One episode of khongjom Parva   (8 hrs)

.

Reference books:

1. Sundari: Khongjom Parba
2. Makomani Mongshaba. Manipuri Sanskrita da Pena
3. Laishram Birendrakumar Singh. Manipuri Khunung Esei Khomjanba
4. Laishram Birendrakumar Singh. Manipuri Eseigi Wakhalon
5. R.K. Achoubi Sana. *Pena Anoi*

Course title   **: Mao Dance**
Course Code   **: VAC033**
Credits   **: 2**
Contact hours   **:30.**

Course Title	Course Code	Total Credits	Contact Hours	Assessment Weightage				
				Written	Practical Demonstration	Laboratory / Presentation	Field Work/ Project Work	Assignment
Mao Dance	VAC033	2	30	20	50	20		10

Course Objective

The aspect of tribal folk culture of Manipur is one of the important quarters of the great artistic value of the country. The course aims in teaching the students the importance of the tribal dances of Manipur focusing on its rich folk & traditional culture.

Course Learning Outcome

The course has been able to familiarise the students with the numerous tribal dance forms of Manipur. It has encouraged the students to preserve as far as possible the originality of these tribal dances.

Module-I   : Introduction to tribal communities of Manipur   (6 hrs)
Module-II   : A brief discussion on the cultural life of Mao tribes of Manipur.   (8 hrs)
Module -III   : Two items of Mao folk dance   (8 hrs)
Module-IV   : Song sequence and Punglon sequence of above dance   (8 hrs)

Reference books:

   1. R.H. Daikho, Mao Naga Cultural Theory
   2. R.R. Shimray, Origin and Culture of Nagas
   3. Guru Abungbam Kabui, Kabui Jagoi

Course title   : Kabui Jagoi
Course Code   : VAC034
Credits   : 2
Contract hours   : 30.

Course Title	Course Code	Total Credits	Contact Hours	Assessment Weightage				
				Written	Practical Demonstration	Laboratory/ Presentation	Field Work/ Project Work	Assignment
Kabui Dance	VAC034	2	30	20	50	20		10

Course Objective
  The course aims in teaching the students the importance of the tribal dances of Manipur focusing on its rich folk & traditional culture. The course includes most of the major tribal dances of Manipur like Kabui, Mao, Thadou, Paite,Tangkhul, & Hmar etc. including both theory and practical and the song and singing styles and its significance in their societies,

Course Learning Outcome
. It will help the students to value the tradition of tribal dances and promote to protect the place of its typical forms keeping in mind the unique cultural ethos and value as social tonic touching its own distinctive way of tribal dance of Manipur.

Module-I   : Introduction to tribal communities of Manipur and their important annual festivals   (6 hrs)
Module- II   : A brief discussion on the cultural life of major tribes of Manipur.
(8 hrs)
Module- III : Some important songs of Kabui dance
(8 hrs)
Module- IV : Three famous dances of Kabui tribes
(8 hrs)
Reference books:

   1. R.H. Daikho, *Mao Naga Cultural Theory*

2. R.R. Shimray, *Origin and Culture of Nagas*
3. Guru Abungbam Kabui, *Kabui Jagoi*

Course title : **Wari Liba**
Course Code : **VAC035**
Credits : **2**
Contact hours : **30.**

Course Title	Course Code	Total Credits	Contact Hours	Assessment Weightage				
				Written	Practical Demonstration	Laboratory/ Presentation	Field Work/ Project Work	Assignment
Wari Liba	VAC035	2	30	20	50	20		10

Course Objective:

The course aims to provide important information and lessons regarding the narrative performing arts of Manipur and its different forms.

Course Learning Outcome:

Students shall be able to learn important lessons on narrative performing arts of Manipur and be able to appreciate the unique art form.

Module- I   : Historical background of Wari Liba   (6 hrs)
Module- II   : Narratives favoured in Wari Liba tradition.   (8 hrs)
Module- III : Important constructs of Wari Liba performance tradition.   (8 hrs)
Module- IV : Voice modulation and vocal register.   (8 hrs)

References

1. A. Chitreshwar Sharma,*Meitei Wari Libagi Etihasta Tamphajao Sharma*
2. Dr.M. Sadananda Singh, *Folklore gi Taibangda*
3. A. Chitreshwar Sharma, and B. Kullachandra Sharma, *Meitei Bamol Houraklon*
4. Dan-Ben Amos, *Folkore genre*

Course title : **Lairik Thiba Haiba**

Course Code : **VAC036**
Credits : **2**
Contract hours : **30.**

Course Title	Course Code	Total Credits	Contact Hours	Assessment Weightage				
				Written	Practical Demonstration	Laboratory/ Presentation	Field Work/ Project Work	Assignment
Lairik Thiba	VAC036	2	30	20	50	20		10

Haiba								

Course Objective:

The course aims to provide important information and lessons regarding the narrative performing arts of Manipur and its different forms.

Course Learning Outcome:

Students shall be able to learn important lessons on narrative performing arts of Manipur and be able to appreciate the unique art form.

Module- I: Growth and Development of Lairik Thiba Haiba   (6 hrs)
Module- II: The Role of Lairik Thiba Haiba in Manipuri Society   (8 hrs)
Module III: Manglacharan, six Raga Purush and Thirty-six Ragini   (8 hrs)
Module-IV: Thirteen types of Paring Shajat and Eleven chhandas.   (8 hrs)

Reference books:

1. Pukhrambam Gandha Singh, *Raga Manjari Darshan (Ahanba Amadi Anishuba Sharuk),2006.*
2. Athokpam Birababu Singh, *Lairik Thiba Haiba Sankirtana*
3. Pukhrambam Gandha Singh, *Raga Chhanda Swara Lipi,*1983

Course title   **: Make-Up Artiste**
Course Code   **: VAC037**
Credits   **: 2**
Contact hours   **: 30.**

Course Title	Course Code	Total Credits	Contact Hours	Assessment Weightage				
				Written	Practical Demonstration	Laboratory/ Presentation	Field Work/ Project Work	Assignment
Make-Up Artiste	VAC037	2	30	20	50	20		10

Course Objective: The course aims to teach the students the important concepts of makeup and the necessary skills required to become a makeup artist/beautician.

Course Learning Outcome: Students are expected to have acquired important lessons on the art of makeup and be able to take it up as their profession.

Module –I   :   Types of Face, Skin, Foundation, and Anatomy   (6 hrs)
Module- II   :   Types of Make-up , Tools and materials   (8 hrs)
Module -III   :   Bridal, Straight and Street make-up   (8 hrs)
Module- IV :   Stylish and Character makeup   (8 hrs)

References

1. Richard Corson, *Stage Makeup*
2. Alfred Hardtop, *Theatre and Stage*
3. Vincent J.R. Kehoe S. M. A, *The Technique of Film and TV Makeup*
4. Ngambam Swarnajit Singh, *Shaktam Semba*
5. Arlene Mathew, *The Complete Beauty Book*

Course title : **Potloi Making**
Course Code : **VAC038**
Credits : **2**
Contract hours : **30.**

Course Title	Course Code	Total Credits	Contact Hours	Assessment Weightage				
				Written	Practical Demonstration	Laboratory/ Presentation	Field Work/ Project Work	Assignmen
Potloi Making	VAC038	2	30	20	50	20		10

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Course Objective:
i) The course intends to teach the students of the importance of costume and its significance in Raas Leela and the materials associated with the different gears of Raas Leela.

Course Learning Outcome:
i) Students shall be able to acquire important lessons of the importance of the costume of Raas Leela and the materials associated with its making.

Module- I: Importance of costume in Manipuri Raas Leela , Materials of Natabaravesh Potloi
(6 hrs)

Module- II: Types of Head gear, Materials of Koktumbi Potloi, Materials of Head gear
(8 hrs)

Module- III: Types of Potloi, Materials of Jhapa Potloi, Materials of ornaments
(8 hrs)

Module- IV: Costume and ornaments Natabaravesh, Materials of Koktumbi Potloi
(8 hrs)

References:

1. Ph. Iboton Sharma, *Meitei Phijet Leiteng*
2. Ksh. Touranisabi Devi, *Raasamasung Nunggi Mashak*
3. L. Subhadra Devi: *Sastri Nrityagi Meetyeng da Jagoi Raas*
4. H. Ibochouba: *Pre-World War II   Manipuri Raas Lila*

Course title   : Thougal Jagoi
Course Code   : VAC039
Credits   : 2
Contact Hours   : 30.

Course Title	Course Code	Total Credits	Contact Hours	Assessment Weightage				
				Written	Practical Demonstration	Laboratory/ Presentation	Field Work/ Project Work	Assignment
Thougal Jagoi	VAC039	2	30	20	50	20		10

Course Objective: It aims to familiarise the students with different dance forms of Lai Haraoba rituals such as Lai-ok Jagoi and Laiching of Kanglei Haraoba along with other dances such as Thougal Jagoi and Hakchang Saba to Yumsarol.

Course Learning Outcome: Students are supposed to have learnt and understood the subjects covered in the course and with the ability to perform any of the basic steps of the dance or the notations.

Module- I: Conceptual background of Thougal Jagoi in Manipur (6 hrs)
Module- II: Techniques of Thougal Jagoi both Tandav and Lasya tradition (8 hrs)
Module- III: Two items of women Thougal Jagoi   (8 hrs)
Module- IV: Two items of men Thougal Jagoi   (8 hrs)

References
5. Ng. Kullachandra Singh, *Meitei Laihaoba*
6. Dr. Kh. Ratan Singh, *Lai Haraoba of Manipur*
7. W. Lukhoi, *Lai Haraoba*
8. R.K. Nobindra Singh, *Kanglei Haraoba*

Course title : Mime

Course code: VAC 040

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment

Mime	VACO40	02	30	20	10	60	10	

Course Objectives:

- To understand ideas of Mime Theatre
- To understand the principles of Mime
- To explain the educative values of Mime
- To practice/rehears the Mime using different methods.

Learning Outcomes: At the end of the course, students will be able to

- perform Mime without stage frightening
- create innovative and creative mime
- study more and more in the field of mime theatre
- seek employment in various creative fields

Module -I: 6 hours

Mime Theatre: Meaning, concept, importance and applications, theatre workshop - acting through different techniques

Module – II: 8 hours

Mime stage, set, prop, light, sound, make up, dress & costumes, etc.

Module – III: 8 hours

Traditional performing arts of India, Creation of Indian Mime, Indian and Western Mimes

Module – IV: 8 hours

Role of Manipuri traditional arts in making of the Indian contemporary mime, Mime creating from Manipuri folk tales

Reference:

10. Nemichandra Jain, Asides themes in Contemporary Indian Theatre, pub NSD-2003, New Delhi
11. Chandra Bhan Gupta, The Indian Theatre, Pub. MM publisher Pvt. Ltd -1991, New Delhi
12. H.S. Shivaprakash, Ins and Outs of Indian Theatre, Pub. Shahitya Akademi-2021, New Delhi

Course title: Skit

Course code: VAC 041

Credit:02

Contact hours:30 .

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Skit	VACO41	02	30	20	10	50	10	

Course Objectives:

- To understand ideas of Skit (very short satirical play)
- To understand the principles of Skit in Theatre
- To explain the educative values of Skit
- To practice Skit by using different methods.

Learning Outcomes: At the end of the course, students will be able to

- perform Skit without stage frightening
- create innovative and creative skit
- study more and more in the field theatre
- seek employment in various creative fields

Module -I: 8 hours

Meaning, concept and importance of skit, Theatre workshop: acting through different techniques

Module – II: 6 hours

Skit theatre stage, set, prop, light, sound, make up, dress, costume etc.

Module – III: 8 hours

Traditional performing arts of India, creation of Indian Skit from the traditional arts, Indian skit theatre and Western skit theatre

Module – IV: 8 hours

Manipuri traditional arts in making of the contemporary skit, impact of skit theatre in changing a society

Reference:

Nemichandra Jain, Asides themes in Contemporary Indian Theatre, pub NSD-2003, New Delhi

Chandra Bhan Gupta, The Indian Theatre, Pub. MM publisher Pvt. Ltd -1991, New Delhi

H.S. Shivaprakash, Ins and Outs of Indian Theatre, Pub. Shahitya Akademi-2021, New Delhi

Course title : **Arangfam.**
Course Code : **VAC042.**
Credits : **2.**
Contact hours : **30.**

Course Title	Course Code	Total Credits	Contact Hours	Assessment Weightage				
				Written	Practical Demonstration	Laboratory/ Presentation	Field Work/ Project Work	Assignment
Arangfam	VAC042	02	30	20	50	20		10

Course Objective: The course aims to understand the concept, instruments of Arangpham and its historical background. and also the arts and crafts of Arangpham and their beliefs.

Course Learning Outcome: i) Students shall be able to preparation, designing, decoration of many items, skilfully with its own traditional art and beliefs, for example they are to prepare the surroundings of a performing place of any cultural programme and also the venue and its stage, own skill decoration of art crafts of banana leaves, flowers, fruits, paana, chandal etc and to keep proportionately and produce and serve in accordance with the related ritual, festival and celebration.

Unit I: : Concept of Arangpham and historical background,: definitions, functions and duties in Sankirtana and others ritual festival of Manipur.
Unit III: Tradition of Arangpham and their rules and regulations
Unit IV: Instruments of Arangpham and their belief
Unit V: Some basic cultural heritage related procedures/ services (Lei Chamdan, Paana Tangga,Sudha Chandal, Nirmal Chandal & Gandha Chandal)

Reference books:
1.Dr. L. Tejbati Devi, *Meitei Arangpham Phamba Manipuri Nat- ta Meetyeng Ama,2014*
2. Laisram Manao Singh, *Arangpham,*
3. N. Harimati Devi,Arangphamgi Mathou Mei.Meetei amasung Goura,2018

Course title: Event Management

Course Code: VAC043

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Event management	VACO43	02	30	20	10	50	20	

Course Objectives:

- The course shall make the students understand about the planning process for events that how to plan for an event that what is the requirement and how these requirements achieved.
- The course will make the students learnt about planning, conducting and management of an event
- demanding task that requires effective management skills for using the available resources impressively to organise the event.

Learning Outcomes:

- To understand the concept of Event Management and approaches used to organize an event in current environment.
- To understand the basics of event planning process
- To understand the role of advertisement in event management
- To understand the process and techniques to start and run new event planning business.

Module -I: 6 hours

Introduction to event Management, Size & type of event, Event Team, Code of ethics, Role of advertisement in event management.

Module – II: 8 hours

Marketing Management for Event, Basics of Event Planning Process, Event Plan Management

Module – III: 8 hours

Preparing event proposal, Use of planning tools, Budgeting techniques used for an event industry, Customer Services Management for Event

Module – IV: 8 hours

Protocols, Dress codes, staging, staffing, Leadership, Traits and characteristics, Process of marketing, Marketing mix, Sponsorship, Event Evaluation, Risk Management for Event

Reference:

1. *Successful Event Management by Anton Shone & Bryn Parry*
2. *Udai Pareek, Understanding Organisational /Behaviour, Oxford*
3. *Mirza Saiyadain: Organizational Behaviour, TH*
4. *Helga Drumnond : Organizational Behaviour, Oxford*
5. *Harriss & Martman: Organizational Behaviour, Jaico.*

Course title: Stress Management
Course code: VAC044
Credit:2
Contact Hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Stress management	VAC044	02	30	30	30	10	30	

Course Objectives:
1. To understand nature of stress management.
2. To understand positive and negative stress and how to use various techniques and determine the most appropriate method to aid in managing student's reaction to stress.
3. To understand meditation a means of stress management and gain a sense of wholeness inner peace by using these skills.

Learning Outcomes: At the end of the course the students will be able to:
1. Ability to tap personal strengths for preventing and achieving meaning goal, and the students will be able to access and analyze the symptoms.
2. Causes and effects of personal and academic stressors in order to implement appropriate stress management technique.
3. Demonstrate various ways of managing stress.

Module –I: 6 hours
   Introduction to Stress
   Meaning and definition, (stress, distress), Types of stress. Acute and chronic stress, sign and symptoms, sources of stress.
Module-II: 8 hours
   Physiological and emotional Management
   Asanas, Pranayamas ,Yama-(Ahimsa, Satya ,Asteya, Brahmachariya and Aparigraha) Niyama(Saucha,Santosha,Tapas ,Svadhyaya,and Ishvara Pranidhana),Nutrition therapy, Behavioral therapy & counseling, Laughter and art therapy .
Module –III :8 hours

Intellectual Management

Relaxation Technique: Yoga and Meditation, Goal setting, problem management, Time management, practice of meditation, music therapy.

Module IV: 8 hours

Social and spiritual Management

Conflict resolution, interpersonal communication; forgiveness and gratitude, application of Yama and Niyama (part of Asthanga yoga).

References:

Aboud, F.E (1998) Health Psychology in global perspectives, Thousand Oaks C.A: Sage.

Bishop, G.D (1998), Health psychology; integrating mind and body, Boston; Allyn & Bacon.

Greenberg, J. S(2013). Comprehensive Stress Management, 13th edition.

Kottler, J.A.& D.D (2011). Stress management and prevention to daily life (2nd Ed). London and New York: Rutledge.

Singh, N.N (2014), Psychology of Meditation, New York: Nova Science Publishers.

Swami Sivananda, (1994), practice of Yoga, divine life society, Publication.

Course title: Web Designing

Course code: VAC 045

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Web designing	VAC045	02	30	30	20	20	30	

Course Objectives: In this course, you will gain a foundational knowledge of website creation and be able to apply it to the planning, design and development of your own portfolio website.

Outcomes: By the end of this course you will be comfortable creating, coding and posting basic HTML and CSS files to the Internet. Equipped with a historical understanding of the web's evolution and key industry-standard design guidelines to ensure strong online presentation, you will have a foundational knowledge of website creation and apply it to the planning, design and development of your own web page.

Module -I: 6 hours

Introduction to Web Technologies o Careers in Web Technologies and Job Roles. How does the Website work? Client and Server Scripting Languages. Domains and Hosting, Responsive Web Designing. Types of Websites (Static and Dynamic Websites). Web Standards and W3C recommendations

Module – II: 8 hours

Introduction to HTML5, Features of HTML5, HTML5 DocType, New Structure Tags, Section, Nav, Article, Aside, Header, Footer, Designing a HTML Structure of Page, New Media Tags , Audio Tag, Video Tag, Canvas and Svg Tag, Introduction to HTML5 Forms, New Attributes, Placeholder Attribute, Require Attribute, Pattern Attribute, Autofocus Attribute, email , tel, url types, number type, date type, range type, voice search, Examples of Form

Module – III: 8 hours

Introduction to CSS 3, New CSS 3 Selectors, Attribute Selectors, First-f-type, Last-f-type, Nth-child, Element: empty, New CSS3 Properties, Custom Fonts, Text-Shadow Property Text-Strike Property, Rounded Corners, Box Shadows, CSS Gradients, CSS Multiple backgrounds, opacity Property, Transition effect, Transform effect, Animation effects, CSS Media Queries, Using CSS3 in Practical Layout

Module – IV: 8 hours

Responsive Web Design with Bootstrap, Introduction to Responsive Design, Mobile first design concepts, Common device dimensions, View-port tag, Using css media queries, Menu conversion script, Basic Custom Layout, Introduction to Bootstrap, Installation of Bootstrap, Grid System, Forms, Buttons, Icons Integration ,Using CSS3 in Practical Layout

Reference Books:

1. HTML5 & CSS3 Visual QuickStart Guide (7th Edition) by Elizabeth Castro, Bruce Hyslop.
2. Bootstrap by Jake Spurlock

Course title: Web Development

Course code: VAC 046

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Web development	VAC046	02	30	30	20	20	30	

Course Objectives:

Outcomes:

Module -I: 6 hours

Introduction to PHP, PHP Intro, PHP Install, PHP Syntax, PHP Variables, PHP Echo / Print, PHP Data Types, PHP Strings, PHP Constants, PHP Operators

Module – II: 8 hours

Html Form with PHP, PHP Form Handling, PHP Form Validation, PHP Form Required, PHP Form URL/E-mail, PHP Form Complete

Module – III: 8 hours

Decisions and Loop, Making Decisions, Doing Repetitive task with looping, Mixing Decisions and looping with Html, PHP If, Else and Elseif, PHP Switch, PHP While Loops, PHP For Loops

Module – IV: 8 hours

Database Connectivity with MYSQL, Introduction to RDBMS, Connection with MySql Database, Performing basic database operation (DML), (Insert, Delete, Update, Select) Setting query parameter, Join (Cross joins, Inner joins, Outer Joins, Self joins)

Reference Books:

1. Learning PHP, MySQL, JavaScript, CSS & HTML5: A Step-by-Step Guide to Creating Dynamic Websites 3rd Edition by Robin Nixon

Course title: Mobile App Development

Course code: VAC 047

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Mobile App developmet	VAC047	02	30	30	20	20	30	

Course Objectives: This course is concerned with the development of applications on mobile and wireless computing platforms. Android will be used as a basis for teaching programming techniques and design patterns related to the development of standalone applications and mobile portals to enterprise and m-commerce systems.

Outcomes: At the end of this course, students will be able to:

1. Identify various concepts of mobile programming that make it unique from programming for other platforms,

2. Critique mobile applications on their design pros and cons,

3. Utilize rapid prototyping techniques to design and develop sophisticated mobile interfaces,

4. Program mobile applications for the Android operating system that use basic and advanced phone features, and

5. Deploy applications to the Android marketplace for distribution.

Module -I: 6 hours

Introduction to Android: The Android Platform, Android SDK, Eclipse Installation, Android Installation, Building you First Android application, Understanding Anatomy of Android Application, Android Manifest file.

Module – II: 8 hours

Android Application Design Essentials: Anatomy of an Android applications, Android terminologies, Application Context, Activities, Services, Intents, Receiving and Broadcasting Intents, Android Manifest File and its common settings, Using Intent Filter, Permissions.

Module – III: 8 hours

Android User Interface Design Essentials: User Interface Screen elements, Designing User Interfaces with Layouts, Drawing and Working with Animation.

Module – IV: 8 hours

Testing Android applications, Publishing Android application, Using Android preferences, Managing Application resources in a hierarchy, working with different types of resources.

Reference Books:

1. Lauren Darcey and Shane Conder, "Android Wireless Application Development", Pearson Education, 2nd ed. (2011)

Course title: Tally Accounting

Course code: VAC 048

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Tally accountin g	VAC048	02	30	40	20	20		20

Course Objectives:

The main objective of this course is to equip the learner with a better hand on experience of accounting with Tally over computer system

Outcomes:

Module -I: 6 hours

Basics of Accounting

Module – II: 8 hours

Fundamentals of Tally ERP 9 or above

Module – III: 8 hours

Accounting master in Tally ERP 9 or above

Module – IV: 8 hours

Account with Inventory Masters in Tally ERP 9 or above

Reference Books:

1. Official Guide To Financial Accounting Using Tally.Erp 9 With Gst by Tally Education Pvt. Ltd.

Course title: Office automation

Course code: VAC 049

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Projec t work	Assignment
Office automation	VAC049	02	30	30	20	20		30

Course Objectives:

Outcomes:

Module -I: 6 hours

BASICS OF COMPUTER, OPERATING SYSTEMS,MS-WINDOWS & LINUX, INTERNET & ADVANCED COMMUNICATION

Module – II: 8 hours

MS OFFICE: MS-WORD, OPEN OFFICE: WRITER

Module – III: 8 hours

MS OFFICE: MS-EXCEL, OPEN OFFICE: CALC & MATH,MS OFFICE: MS-POWER POINT, OPEN OFFICE: IMPRESS

Module – IV: 8 hours

MS OFFICE: MS-ACCESS, OPEN OFFICE: BASE

Reference Books:

1. Fundamentals of computers - V.Rajaraman - Prentice- Hall of India

2. Microsoft Office 2007 Bible - John Walkenbach,Herb Tyson,Faithe Wempen,cary N.Prague,Michael R.groh,Peter G.Aitken, and Lisa a.Bucki -Wiley India pvt.ltd.

3. The complete reference Linux - Richard petersen - Tata McGraw - Hill Edition

4. A Conceptual Guide to OpenOffice.org 3 - R. Gabriel Gurley- CreateSpace Independent Publishing Platform, 2008.**Course title:Data analysis**

Course code:VAC050.

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Data analysis	VAC050	02	30	40	20	20	10	10

Data analysis for extracting information is mandatory for all aspects of investigation .Knowing the fundamentals of data using statistical tools enables learner to analyse data of their respective fields. **Learning objective** is to let students use of statistical tools thereby enabling students to analyse data related to their field of studies/enquiry for drawing conclusion as regard to their investigation/query.

Learning outcome: After learning the course contents ,students shall be able to use statistical techniques for analyzing data set to draw inferences about population based on sample studies.

Module-I:6 hours.

Data and Variables: Types of data and variables as foundation for analysis, methods of data collection, frequency distribution tables ,data presentation using graphs and diagrams.

Module-II:8 hours.

Data description: Measures of Central Tendencies and Variability, Skewness and Kurtosis.

Module-III:8 hours.

Analysis of uncertain data: Probability concept , Fundamental laws of probability and their applications

Module-IV:8 hours.

Data analysis and tests: Simple correlation and regression analysis, One way analysis of variance, t -test and f -test.

References:

1.Statistics Principles and Methods by Richard Johnson and Gauri Bhattacharya,John Willey & Sons,New York,1985

2.The essence of STATISTICS FOR BUSINESS 2ⁿᵈ Edition by Michael C.Fleming Joseph G.Nellis ,Prentice Hall of India pvt.ltd.New Delhi1995

3.Statistical Methods for Environmental & Agricultural Sciences 2ⁿᵈ Edition by A.Reza Hosmand,CRC Press,New York1998

4.Statistics :A Foundation For Analysis By Ann Hughes and Dennis Grawoig,Addition Willey publishing Company,London 1971

Course Title:Basics of Big data

Course code:VAC051.

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Basics of Big data	VAC051	02	30	40	10	20	10	20

It is important to have a basic overview of big data. Big data refers to collection of complicated data in volumes that includes management capabilities, media analytics and real time data. Today , big data technologies drive the world. To master big data technology, students must have a fair knowledge of all its basics.

Learning objective is to provide basics of big data and its computer aided design analysis tools.

Outcome: As the big data is big data volume, students after completion of the course wilL be able to understand the growing tendency of vast collection of data at an exponential phase over time that led to the development of different big data based technology.

Module-I:6 hours.

Introduction to big data, Types of big data technologies(basics) ,use of big data technologies,Examles of big data.

Module-II:8 hours.

Big data tools ,Primary objectives of big data tools(basic idea),Advantages of big data technologies.

Module-III:8 hours.

Data storage tools, data analytics based big data tools(basic only).

Module-IV:8 hours.

Data mining based big data tools, data visualization based big data tools (listing and basics only).

References:

1. Big Data Analytics with R and Hadoop by Vignesh Prajapati .

2.The Human Face of Big Data by Rick Smolan and Jennifer Erwitt.

3.Hadoop for Dummies by Dirk Deroos.

4.Data Science for Business: What You Need to Know about Data Mining by OM Fawcet.

Course title: Introduction to Cloud Computing.

Course code: VAC052

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentatio n	Field work/ Project work	Assignment
Introductio	VAC052	02	30	40		20		40

n to cloud computing							

Course Objectives: The course gives an overview of the field of Cloud Computing, and an in-depth study into its enabling technologies and main building blocks, also promotes a better learning environment for students, and create a better working environment for educators.

Outcomes: After the completion of the course, the students will be able to understand the idea behind cloud computing services i.e host web services, store and backup data, host and stream media & many more.

Module -I: 6 hours

Basic Concepts of Cloud Computing Computer Network Basics. Concepts of Distributed Systems. Concepts of Cloud Computing and its Necessity. Cloud Service Providers in use and their Significance

Module – II: 8 hours

Private cloud environment, public cloud environment, Hybrid cloud environment, Cloud security, virtualization

Module – III: 8 hours

Service models, Infrastructure as a Service (IaaS), Platform as a Service (PaaS), Software as a Service (SaaS).

Module – IV: 8 hours

Building Cloud Networks Designing and Implementing a Data Center-Based Cloud Installing Open Source Cloud service. Amazon Web Services (AWS). Google Cloud Platform.

Reference Books:

1. Cloud Computing: Concepts, Technology & Architecture by Erl Thomas (Author), Puttini Ricardo (Author), Mahmood Zaigham
2. Basic Cloud Computing in 10 Days Paperback – by Umesh Dande

Course Title: IoT (Basics Only)

Course code: VAC053

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
IoT(Basics only)	VAC053	02	30	40		20		40

Course Objectives: The Internet of Things is commonly related to the networks of physical objects. These objects are embedded with software, sensors, and other technology. IoT helps in data exchanging among physical objects over the internet. IoT technology is similarly pertaining to the concept of smart-home, appliances, smart speakers, smartphones, healthcare systems, and security systems, etc.

Outcomes:

1. Able to understand the application areas of IoT.
2. Able to realize the revolution the of Internet in Mobile Devices, Cloud & Sensor Networks
3. Able to understand the building blocks of the Internet of Things and its characteristics.

Module -I: 6 hours

FUNDAMENTALS OF IoT- Evolution of Internet of Things, Enabling Technologies, M2M Communication, IoT World Forum (IoTWF) standardized architecture, Simplified IoT Architecture, Core IoT Functional Stack, Fog, Edge and Cloud in IoT, Functional blocks of an IoT ecosystem, Sensors, Actuators, Smart Objects and Connecting Smart Objects.

Module – II: 8 hours

IoT PROTOCOLS- IoT Access Technologies: Physical and MAC layers, topology and Security of IEEE 802.15.4, 802.11ah and Lora WAN, Network Layer: IP versions, Constrained Nodes and Constrained Networks,6LoWPAN, Application Transport Methods: SCADA, Application Layer Protocols: CoAP and MQTT.

Module – III: 8 hours

Design Methodology, Embedded computing logic, Microcontroller, System on Chips, IoT system building blocks

Module – IV: 8 hours

IoT Platform overview: Overview of IoT supported Hardware platforms such as: Raspberry pi, Arduino Board details

Reference Books:

1. IoT Fundamentals: Networking Technologies, Protocols and Use Cases for Internet of Things, David Hanes, Gonzalo Salgueiro, Patrick Grossetete, Rob Barton and Jerome Henry, Cisco Press, 2017

2. Internet of Things – A hands-on approach, Arshdeep Bahga, Vijay Madisetti, Universities Press, 2015

3. Internet of Things: Architecture, Design Principles And Applications, Rajkamal, McGraw Hill Higher Education

Course title: Creative Writing

Course Code: VAC054

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstratio n	Laboratory/ Presentation	Field work/ Project work	Assignment
Creative writing	VACO54	02	30	50		30		20

Course Objectives:

   i)   To understand ideas related to creative writing
   ii)   To understand the principles of creative writing
   iii)   To explain the differences in writing for various literary and social media
   iv)   To put into practice the various forms of creative writing

Learning Outcomes: At the end of the course, students will be able to

   i)   write for various literary and social media
   ii)   critically appreciate various forms of literature
   iii)   make innovative use of their creative and critical faculties
   iv)   seek employment in various creative fields

Module -I: 8 hours

Meaning, Scope and Significance of creative writing, Genres of creative writing: poetry, fiction, non-fiction, drama and other forms.

Module – II: 8 hours

Plot, Setting, Character, Dialogue, Point of View, Literary Devices and Figurative Language, Elements of Style, Grammar and the Structure of Language, Proof Reading and Editing

Module – III: 6 hours

Fiction: Short Story, Novel, Poetry, Drama, Essay, Fable, Biography, Memoire and Autobiography, Travelogues, Diaries, Self-Narrative Writing

Module – IV: 8 hours

New Trends in Creative Writing, Web Content Writing and Blog Writing, Script Writing, Journalistic Writing, Copywriting, Graphic Novel, Flash Fiction

Reference:

1. Bell, Julia and Magrs, Paul. The Creative Writing Course-Book. London: Macmillan, 2001.
2. Clark, Roy Peter. Writing Tools.US: Brown and Company, 2008.
3. Johnson, Jeannie. Why Write Poetry? US: F. D. Univ. Press, 2007

Course title: Value of Games and Sports
Subject code: VAC055
Credit:2
Contact Hours:30 .

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Values of games and sports	VAC055	02	30	30	40	20	10	

Course Objectives:
    10. To understand the concept of Game and Sports.
    11. To understand value of games and sports.
    12. To understand the benefits of games and Sports
Learning Outcomes: completion of the course, the students will be able to
    12. Know the importance of Game and sports.
    13. Know the effect of Games and Sports on human body.
    14. Understand the effect of Games and Sports in the society.

Module –I: 6 hours.
    Definition of Games and Sports. History of Games and Sports. Games and Sports as
    an activity from inception it is from primitive age.
Module-II: 8 hours
    Values of Games and Sports-1
    1. Source of Recreation**.**
    2. Physical Fitness
    3. National Unity
    4. Build character
    5. Value in Student life.
Module –III: 8 hours
Values of Games and Sports-2
    1.Producing Happy hormone

2. Storing proper minerals in the bone, it will utilize for latter stage of life.
3. All organs of the body became strong and lasting enough for whole life.
4. Games and sports leads to balanced, happy, capable, strong build body.
5. Maintain free leisure time a meaningful, became all body organs -System active.

Module IV: 8 hours
Practical
Practicing any recreational games or sports or activity, consisting
General worming up-conditioning -specific conditioning-Main Game -worm down

References:
1. Kamlesh, M, L (1996) Foundation of Physical Education, Metropolitan Book Co, Pvt Ltd.
Thomas Hanlon,(2022), The Sports Rule Book ,Human Kinematics -Third Edition

Course title   **: Painting**
Course Code   **: VAC056**
Credits   **: 2**
Contact hours   **: 30.**

Course Title	Course Code	Total Credits	Contact Hours	Assessment Weightage				
				Written	Practical Demonstration	Laboratory/ Presentation	Field Work/ Project Work	Assignment
Painting	VAC056	2	30	20	50	20		10

Course Objective: This subject helps students to consolidate past experience and knowledge, Introduce students to different media and techniques and their use for creative and productive expressions for various utilities. Provides opportunities for development of awareness of folk arts, local arts and other cultural components leading to an appreciation of national heritage.

Course Learning Outcome: Art ia an integral part of human existence. It is a process of learning and imbibing to appreciate art forms and to develop the aesthetic sensibility. From being sensitive to better understanding of one's own locality and extending it to other cultures, it helps to build a harmonious society and a productive nation. Besides, individual expressions, the arts provide an opportunity to study and appreciate the work of art made in the past and present.

Module- I: Historical background of fine art in Manipur (archaic & Medieval period and Indian art Pre historic rock paintings   (6 hrs)
Module- II: Definitions of the elements of art, line, form, tone colour texture, space, composition and simple perspective (8 hrs)
Module- III: Drawing – sketches, object drawing, nature, perspective , Still life study, composition and human figure   (8 hrs)
Module- IV: Painting- painting from memory, imagination, scenery, folk art and clay modeling and craft- object modeling and pottery (8 hrs)

Reference books:

1. Mira Seth, Indian Painting *The Great Mural Tradition*

2. Anil Rao Sandhya Ketkar, *The History of Indian Art*

3. Percy Brown, *Indian Painting*

Course title : **Dance Choreography**
Course Code : **VAC057**
Credits : **2**
Contact hours : **30.**

Course Title	Course Code	Total Credit	Contact Hours	Assessment Weightage				
				Written	Practical Demonstration	Laboratory/ Presentation	Field Work/ Project Work	Assignment
Dance Choreography	VAC057	2	30	20	50	20		10

Course Objective:

The course aims in developing the students' understanding the importance of the movement analysis, dance theory introduced to hand gestures and basic dance movement. Dance theory and dance history of Indian and Abroad.

Course Learning Outcome:
The outcomes of the paper shall be highly beneficial for students in many ways. The course has been able to enrich the students' knowledge of the role of Choreography and its importance in a dance composition.

Module-I   : Conceptual and background of choreography.   (6 hrs)
Module-II   : Elements of Choreography and Choreographic process   (8 hrs)
Module-III : Technique of folk, classical and contemporary dances   (8 hrs)
Module-IV : Some important talas of Indian and Western music   (8 hrs)

Reference books:

1. Jonathan Burrows, *A Choreography's Handbook*.
2.Sandra Cerny Milton, *Choreography: A Basic Approach Using Improvisation.*
3. Trisha Brown ,*Choreography as Visual Art.*
4. George Balanchine, *Choreography.*
5. Scott Speck and Evelyn Cisneros, *Ballet For Dummies.*
6. Lois Ellfeldt, *A Primer for Choreopraphers.*

Course title:Beekeeping

Course code:VAC058.

Credit:2 .

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Beekeeping	VAC058	02	30	40	20	10	20	10

Beekeeping is a kind of cottage industry that provides income to rural farmers and health benefits to all.90% of flowers pollination and 70% of agricultural pollination on planet is done by bees.

Objectives: Learning objective is to provide basic ideas of beekeeping and its importance in agriculture and rural economy including health benefits .

Outcome: Completion of the course foster students to develop the idea of initiating a start-up in beekeeping at their homes.

Module-I:6 hours.

Introduction to apiculture, Beekeeping basics, Types of bees, Division of labour among bees.

Module-II:8 hours.

Importance of bees in agriculture, seasonal traditional crops for bee visit, economic benefits of honey, Impact of beekeeping on environment.

Module-III:8 hours.

Art of bee yard preparation, essential requirements for bee keeping, management aspects of bee keeping, modern bee keeping techniques.

Module-IV:8 hours.

Scope of beekeeping, role of apiculturist in raising beekeeping business in rural India. World Bee Day

References:

1. A Handbook of Beekeeping : Dr. Dharm Singh, Devender Pratap Singh,2006.

2.Apiculture in India,Atuar Rahman,2007.

3.Beekeeping:An Indian perspective,D.P.Abrol,2022.

4.Principles and practices of Apiculture by Elumalai,D et al.

5.Beekeeping for health and livelihoods by Belsare,D.K.

Course title : First aids in Day today life

Course code: VAC059
Credit:2
Contact Hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
First aids in Day today life	VAC059	02	30	30	40	20	10	

Course Objectives:
13. To Understand the scope of First Aid and role of First Aid.
14. Comprehend the ways to manage and incident
15. Demonstrate the techniques of assessing a casualty.

Learning Outcomes: completion of the course, the students will be able to
15. Becoming a First Aider.
16. Assessing a Casualty
17. Emergency First Aid.

Module –I: 6 hours.
Introduction of First Aids.
Roles and responsibilities.
First aid and the law
First Aids Box and contains.

Module-II: 8 hours
Emergency scene management
Steps of Emergency scene management
-Scene survey
- Primary survey (A = Airway B = Breathing C = Circulation)
-Secondary survey (may not have been revealed in the primary survey)
-Ongoing casualty care.
Module –III: 8 hours
Practical-1
Rule of RICE in First Aids
R-Rest
I-Ice

C-Compress
E-Elevation

Module IV: 8 hours
   Practical -2
  Demonstration of first Aids for common emergencies (Wounds, Bleeding)
    Dressings, bandages, and slings.
    Bones and Joint Injuries

References:
1. The authorized manual of St. John Ambulance, St. Andrew's Ambulance association and the British red cross society.
2. American college of emergency physicians, First Aid manual, 5th edition, Dorling Kindersley, London
3. Clement Text book on First Aid & Emergency Nursing, First edition, JP brothers, 2012
4. Philip Jevon, Emergency care and First Aid for Nurses, A practical guide, Churchill Living Stone, 2007

Course title: Body Deformities, Detection and Corrective Modalities
Course code: VAC060
Credit:2
Contact Hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Body Deformities, Detection and Corrective Modalities	VAC060	02	30	30	40	20	10	

Course Objectives:
16. To understand differs types of deformities.
17. To identified /detect deformities.
18. To give corrective modalities.

Learning Outcomes: completion of the course, the students will be able to
18. Know the sense of correct postures.
19. Conscious the importance of corrective exercises habits in the early childhood.
20. Understand harmful effect of body deformities.

Module –I: 6 hours.
  Meaning of posture and its benefits. Meaning and concept of Body Deformity, Types of Deformity (congenital, acquired) Classification of the degree of Deformity.

Module-II: 8 hours

Different types of Body deformities such as Kyphosis, Lordosis, Scoliosis, Flat foot, knock knee, Bow legs and their Causes, Precaution and Remedies.

Module –III: 8 hours

Methods of detection of Body Deformities. Disadvantages of body deformity.

Module IV: 8 hours

Remedial Exercises related to Kyphosis, Lordorsis, Scoliosis, Flat foot, knock knee, and Bow leg.

References:

Bodily Deformities and their Treatment: a handbook of practical Orthopedics by Henry Albert Reeves.

Course title:Basics of Agriculture.

Course code:VAC061.

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Basics of Agriculture	VACO61	02	30	50	10	10	20	10

Agriculture is the backbone of Indian economy and farmers are the backbone of the country. India being a vast country,agricultural practices varies from reion to region

Objective:Learning objective is to provide students the basics of agriculture including animal husbandry, farming practices and farmer's life especially for urban students

Outcome: On mastering the course, students should be able to practice agricultural steps for the cultivation of agricultural crops and rearing of live stocks in lands at their disposal.

Module-1:6 hours.

Introduction to basics of agriculture, Types of agriculture, Agricultural crops, Farming practices involved in agriculture,.

Module-II:8 hours.

History of agriculture. Branches of agriculture,Importance of agriculture,Organic farming,Agricultural management,agaricultural diversity for food security.

Module-III:8 hours.

Challenges of agriculture,factors influencing agriculture,agricultural practices,animal husbandry and white revolution.

Module-IV:8 hours.

Modern agricultural tools, Improvement of agriculture, solution of agriculture,Green revolution.

References:

1.Farmers handbook on basic agriculture.

2.Handbook of agriculture by ICAR.

3.Fundamentals of Agriculture Vol.-1&2 by Arun Katyayan.

4.Agricultural extension and Rural development by Singh/Singh.

5.Fundamentals of Agriculture extension and rural development by Chinchmalatpure,U.

6.Perspective of rural development programmes in agricultural extension by Suganthi,N.

7.Pests of agricultural crops and their management by Meshram,Y.K et al.

Course title   : Traditional Blacksmith
Course Code   : VAC062
Credits   : 2
Contract hours   : 30.

Course Title	Course Code	Total Credits	Contact Hours	Assessment Weightage				
				Written	Practical Demonstration	Laboratory/ Presentation	Field Work/ Project Work	Assignment
Traditional Blacksmith technology	VAC062	2	30	20	50	20		10

Course Objective: Try to understand to the students about the knowledge of blacksmith and their products what they made household items such as pots, pans, and sewing needles, hammers, axes, shovels and more**.**

Course Learning Outcome: Students will be able to make the whole items of household not only created these tools by molding raw metals, but they also repaired and maintained them. So the students of blacksmith will ne held a high social position in this present society**.**

i)

Module-I Historical background of traditional blacksmith in India. (6 hrs)
Module-II Conceptual background of Blacksmith in Manipur and their duties and functions (8 hrs)
Module-III Techniques of blacksmith and their rules and regulations.   (8 hrs)
Module-IV Apply for making different household items and weapon etc. (8 hrs)

Reference books:

1. Bealer Alex W, *The Art of Blacksmithing*
2. Longfellow Henery Wadsworth, *The Village Blacksmith*
3. Ridgway Ryan, *The home Blacksmith*

Course title:Floriculture and landscaping.

Course code:VAC063.

Credit:02 hours.

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Floriculture and landscaping	VAC063	02	30	40	20	10	20	10

Every house keeps some kind of flowers for aesthetic purpose, rituals, festivals and day to today uses in some way or other. Keeping flowers enhances the aesthetic value of house and surroundings

Objective: Learning objective is to provide the importance of floriculture and its technology involved in enhancing the shelf life of flowers fostering   entrepreneurship skills among female students.

Outcome: On completion of the above course, the students understand the economic importance and growing business of floriculture and landscaping required for different types of flowers to initiate start-ups in floriculture and landscaping.

Module-I:6 hours.

Introduction to floriculture and landscaping, types of flowers and management of economically important flowers.

Module-II:8 hours.

Types of garden, computer aided landscaping designs, Floriculture landscaping in educational institutions.

Module-III:8 hours.

Production technology for loose flowers and cut flowers (Basic concept).

Module-IV:8 hours.

Protected floriculture and value addition for loose flowers and cut flowers (Basic concept).

References:

1.Floriculture in India by A.K.Singh.

2.Floriculture in India by Randhawa.

3.Textbook on floriculture by Chowdhuri,T.K.

4.Guide on protected and open field cut flowers cultivation BY Jahawarlal/Kannan.

5.Diseases of ornamental crops and their management by Shakywar,R.C.

6.Principles and practices of Floriculture by Nag,K.

7.Commercial floriculture by Syamal,M M.

Course title: BioFloc Fish Farming

Course code: VAC 064

Credit:02

Contact hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Biofloc fish farming	VAC064	02	30	20		20	40	20

Course Objectives: Biofloc Technology (BFT) is considered as new "blue revolution" since nutrients can be continuously recycled and reused in the culture medium, benefited by the minimum or zero-water exchange. BFT is an environment friendly aquaculture technique based on in-situ microorganism production. Biofloc is the suspended growth in ponds/tanks

which is the aggregates of living and dead particulate organic matter, phytoplankton, bacteria and grazers of the bacteria. It is the utilization of microbial processes within the pond/tank itself to provide food resources for cultured organism while at the same time acts as a water treatment remedy. Thus, this system is also called as active suspension ponds or heterotrophic ponds or even green soup ponds.

Outcomes:

1. Able to understand Biofloc technology
2. Able to setup Biofloc in small space

Module -I: 6 hours

Introduction to Biofloc, how does it work, Indian style Biofloc setup, what is required for Biofloc setup?

Module – II: 8 hours

The science behind Biofloc Technology, India biofloc setup success story.

Module – III: 8 hours

Where to buy Biofloc setup products in India, Fish growth in Biofloc tank system.

Module – IV: 8 hours

Manipur style Biofloc setup, the case study of Biofloc in Manipur, Success story of Biofloc business in Manipur

Reference Books:

BIOFLOCTECHNOLOGY PRACTICAL AND GUIDE BOOK: BIOFLOC FISH FRAMING FULL TRANING Kindle Edition by YORAM AVNIMELECH

Course title: Corrective rehabilitation
Course code: VAC065
Credit:2
Contact Hours:30.

Course title	Course code	Total credits	Contact hours	Assessment weightage(%)				
				Written	Practical/ Demonstration	Laboratory/ Presentation	Field work/ Project work	Assignment
Corrective rehabilitation	VAC003	02	30	30	40	20	10	

Course Objectives:
1. To understand and develop skills for imparting therapy.
2. To understand Exercise therapy, Yoga Therapy.
3. To understand corrective modalities viz. physical agents, materials aids.

Learning Outcomes: Upon completion of the course, students will be able to
1. Clear the concept of rehabilitation and its use to society.
2. Impart knowledge and skill rehabilitation therapy so that they can deliver rehabilitation therapy to the person with various rehabilitation

Module –I: 6 hours

Meaning and concept of Rehabilitation, Need and Importance of Rehabilitation, Principles and types of Rehabilitation

Module-II: 8 hours

Methods of Rehabilitation (Moral Recognition Therapy, Academic education, Vocational education, R&R (reasoning and rehabilitation), concept of Corrective exercises

Module –III : 8 hours

Rehabilitation for Persons with Visual Impairment, Hearing Impairment, Mental Retardation, Locomotors Disability

Module IV: 8 hours

Practice the different modalities of corrective exercise at least three different problems ,
Roles of Exercises in Rehabilitation.

References:

Pandey R.S.& Advani L.(1995) Perspectives in disability and Rehabilitation. New Delhi: Vikas Publishing House

Punani, B.&Rawal Nandhini,S.(1997) Manual: Community based Rehabilitation Mumbai: National Association for the Blind.

S Sunder, (2010) Textbook of Rehabilitation, JAYPEE brothers Medical Publishers (P) LTD third Edition.