List of Courses which focuses on Professional Ethics, Gender, Human Values, Environment & Sustainability and other value framework

Department : Information Technology

Programme Name : B.Tech. & M.Tech.

Academic Year: 2023-24

Courses which focuses on Professional Ethics, Gender, Human Values, Environment & Sustainability and other value framework:

| Sr. No. | Course Code | Name of the Course |
|---------|-------------|---|
| 01. | ITUATH2 | Human Values & Ethics |
| 02. | NSUALS1 | NSS |
| 03. | LAUBTC1 | INDIAN CONSTITUTION |
| 04. | IT05PMC01 | CONSTITUTION OF INDIA |
| 05. | IT05PMC01 | ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE |
| 06. | LAPBTX4 | CONSTITUTION OF INDIA |





Guru Ghasidas Vishwavidyalaya

(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)

Koni, Bilaspur - 495009 (C.G.)

SCHOOL OF STUDIES OF ENGINEERING AND TECHNOLOGY

Scheme of Teaching and Evaluation 2022-2023 (As per NEP-2020) Choice Based Credit System (CBCS) and Outcome Based Education (OBE) (Effective from the Academic year 2022-2023)

| | | I-SEMESTER BTech EC | E/ IT/CS | SE | | <i></i> | | | | |
|------|--------------------------|---|-----------------|------------------|-----------------------|-------------------------|-----------|-----------|-------------|---------|
| | | | | ching s/ week | | | Examin | ation | | |
| S.N. | Course Code | Course Title | Theory lectures | Tutorial | Practical/ Drawing | Examination in Hours | CIA Marks | SEA Marks | Total Marks | Credits |
| | | | L | T | P | Exami Hours | CIA | SEA | Tota | |
| 1 | AMUATB4 | Engineering Mathematics - B | 3 | 1 | - | 03 | 40 | 60 | 100 | 4 |
| 2 | PPUATB2 | Engineering Physics | 3 | 1 | - | 03 | 40 | 60 | 100 | 4 |
| 3 | ITUATE2 | Introduction to Information Technology | 3 | - | - | 03 | 40 | 60 | 100 | 3 |
| 4 | ECUATE3 | Basic Electrical Engineering | 3 | 100 | | 03 | 40 | 60 | 100 | 3 |
| 5 | ELUATHI | English for Communication | 3 | 340 | | 03 | 40 | 60 | 100 | 3 |
| 6 | ECUATH2/ CSUATH2/ITUATH2 | Human Values & Ethics | 1 | | 5 | 02 | 50 | 5 | 50 | 1 |
| 7 | PPUALB2 | Engineering Physics Laboratory | | - | 2 | 03 | 25 | 25 | 50 | 1 |
| 8 | MEUALL1 | Engineering Graphics | 1 | 1.0 | 3 | 03 | 25 | 25 | 50 | 3 |
| 9 | ECUALE3 | Basic Electrical Engineering Laboratory | - | 141 | 2 | 03 | 25 | 25 | 50 | 1 |
| 10 | NSUALSI | NSS | | 858 | 2 | 01 | 25 | 25 | 50 | 1 |
| | Т | otal | 17 | 2 | 09 | 27 | 350 | 400 | 750 | 24 |

Note: AM:Mathematics, PP:Physics, ME: Mechanical Engineering, IP: Industrial & Production Engineering, CE: Civil Engineering, CS: Computer Sc. & Engg., IT: Information Technology, PE: Physical Education, NS: NSS, U: Undergraduate, T: Theory, L: Laboratory,

| BASIC SCIENCE (B) 1. Mathematics – A 2. Physics 3. Chemistry 4. Mathematics - B | ENGINEERING SCIENCE (E) 1. Engineering Mechanics 2. Introduction to Information Technology 3. Basic Electrical Engineering 4. Basic Electrical and Electronics Engineering 5. Computer Programming 6. Basic Communication Engineering | SKILL ENHANCEMENT COURSE (L) 1. Engineering Graphics 2. Engineering Workshop Practices | HUMANITIES SCIENCE (H) 1. English for communication 2. Human Values and Ethics | MANDATORY COURSE (C) 1. Indian Constitution 2. Environmental Science & Ecology | EXTRA- CURRICULAR ACTIVITIES (S) 1. NSS 2. Sports and Yoga |
|---|---|--|---|--|--|
| Credit Definition: >> 1-hour lecture (I. |) per week per semester = 1Credit | Four credit courses are to Three credit courses are | | | |

- >1-hour tutorial (T) per week per semester = 1Credit
- >2-hour Practical/Drawing(P) per week per semester = 1 Credit

- Two credit courses are to be designed for 30 hours of Teaching-Learning process.
 One credit courses are to be designed for 15 hours of Teaching-Learning process
- Note: The above is applicable only to THEORY courses

AICTE Activity Points to be earned by students admitted to B.Tech. programme (For more details refer to Chapter 6, AICTE Activity Point Programme, Model Internship Guidelines):

Over and above the academic grades, every regular student admitted to the 4 years Degree program and every student entering 4 years Degree programme through lateral entry, shall earn 100 and 75 Activity Points respectively for the award of degree through AICTE Activity Point Programme. The Activity Points earned shall be reflected on the student's eighth semester Grade Card.

the activities can be spread over the years, any time during the semester weekends and holidays, as per the liking and convenience of the student from the year of entry to the programme. However, the minimum hours' requirement should be fulfilled. Activity Points (non-credit) donot affect SGPA/CGPA and shall not be considered for vertical progression.

- Eligibility for UG Certificate:

 A. Undergraduate Certificate course will be offered by all departments of SoS(E&T), GGV.

 B. For applicability of UG Certificate, the candidate who wants to exit after completing 1" year (02 semesters) BTech degree with 10 credits of skill-based courses lasting two months, including atleast 06 credits job specific internship/apprenticeship with NHEQF level 5/UCF level 4.5.

 C. A student shall report to the concerned Head on or before the date notified by the Department/School/University, if he/she is interested to exit with UG Certificate

SCHOOL OF STUDIES OF ENGINEERING AND TECHNOLOGY

Scheme of Teaching and Evaluation 2022-2023 (As per NEP-2020) Choice Based Credit System (CBCS) and Outcome Based Education (OBE) (Effective from the Academic year 2022-2023)

| | | II-SEMESTER BTec | h ECE/ IT/ | CSE | | | | | | |
|-------|-------------|-----------------------------------|-----------------|----------------|-----------------------|-------------------------|-----------|-----------|-------------|---------|
| | | | Teac Hour | hing s/weel | (| | Exam | ination | | |
| S. N. | Course Code | Course Title | Theory lectures | Tutorial | Practical/ Drawing | Examination in Hours | CIA Marks | SEA Marks | Total Marks | Credits |
| | | | L | T | P | Examin Hours | CIA | SEA | Tota | |
| 1 | AMUBTB1 | Engineering Mathematics - A | 3 | 1 | - | 03 | 40 | 60 | 100 | 4 |
| 2 | CYUBTB3 | Engineering Chemistry | 3 | - | - | 03 | 40 | 60 | 100 | 3 |
| 3 | CSUBTE5 | Computer Programming | 3 | - | - | 03 | 40 | 60 | 100 | 3 |
| 4 | ECUBTE6 | Basic Communication Engineering | 3 | | - | 03 | 40 | 60 | 100 | 3 |
| 5 | LAUBTC1 | Indian Constitution | 1 | - | 2 | 01 | 50 | - | 50 | 1 |
| 6 | FOUBTC2 | Environmental Science and Ecology | 2 | - | - | 03 | 40 | 60 | 100 | 2 |
| 7 | CYUBLB3 | Engineering Chemistry Laboratory | | - | 2 | 03 | 25 | 25 | 50 | 1 |
| 8 | IPUBLL2 | Engineering Workshop Practices | 101 | - | 2 | 03 | 25 | 25 | 50 | 1 |
| 9 | CSUBLE5 | Computer Programming Laboratory | - | - | 2 | 03 | 25 | 25 | 50 | 1 |
| 10 | PEUBLS2 | Sports and Yoga | - | | 2 | | 25 | 25 | 50 | 1 |
| | | Total | 15 | 1 | 08 | 25 | 350 | 400 | 750 | 20 |

Note: AM:Mathematics, PP:Physics, ME: Mechanical Engineering, IP: Industrial & Production Engineering, CE: Civil Engineering, CS: Computer Sc. & Engg., IT: Information Technology, PE: Physical Education, FO: Forestry, LA: Law, NS: NSS, U: Undergraduate, T: Theory, L: Laboratory,

| BASIC SCIENCE (I 1. Mathematics – A 2. Physics 3. Chemistry 4. Mathematics - B | B) ENGINEERING SCIENCE (E) 1. Engineering Mechanics 2. Introduction to Information Technology 3. Basic Electrical Engineering 4. Basic Electrical and Electronics Engineering 5. Computer Programming 6. Basic Communication Engineering | COUR 1. Engi | ENHANCEMENT ISE (L) incering Graphics incering Workshop Practices | HUMANITIES SCIENCE (H) 1. English for communication 2. Human Values and Ethics | MANDATORY COURSE (C) 1. Indian Constitution 2. Environmental Science & Ecology | EXTRA- CURRICULAR ACTIVITIES (S) 1. NSS 2. Sports and Yoga |
|--|---|-----------------|--|---|--|--|
| AV TOOLOGISTON OF THE TOOLOGISTON | n: (L) per week per semester = 1Credit (T) per week per semester = 1Credit | | > Four credit courses a > Three credit courses > Two credit courses as | are to be designed for re to be designed for 3 | 40 hours of Teaching 0 hours of Teaching- | g-Learning process. Learning process. |

AICTE Activity Points to be earned by students admitted to B.Tech. programme (For more details refer to Chapter 6, AICTE Activity Point Programme, Model Internship Guidelines):

Note: The above is applicable only to THEORY courses

Over and above the academic grades, every regular student admitted to the 4 years Degree program and every student entering 4years Degree programme through lateral entry, shall earn 100 and 75 Activity Points respectively for the award of degree through AICTE Activity Point Programme. The Activity Points earned shall be reflected on the student's eighth semester Grade Card.

The activities can be spread over the years, any time during the semester weekends and holidays, as per the liking and convenience of the student from the year of entry to the programme. However, the minimum hours' requirement should be fulfilled. Activity Points (non-credit) donot affect SGPA/CGPA and shall not be considered for vertical progression.

Eligibility for UG Certificate:

>2-hour Practical/Drawing(P) per week per semester = 1 Credit

- A. Undergraduate Certificate course will be offered by all departments of SoS(E&T), GGV.

 B. For applicability of UG Certificate, the candidate who wants to exit after completing 1" year (02 semesters) BTech degree with 10 credits of skill-based courses lasting two months, including atleast of credits job specific internship/apprenticeship with NHEQF level 5/UCF level 4.5.

 C. A student shall report to the concerned Head on or before the date notified by the Department/School/University, if he/she is interested to exit with UG Certificate

| SYLLABUS | (SEMESTER-I) | Per We | iods/ ek | | Intern | al Asse | essment (IA) | | ESE | Grand Total | Credits |
|---------------|--|-----------|-------------|---|--------|---------|--------------------------|-------|-----|----------------|---------|
| Subject Code: | ECUATH2 (for ECE) CSUATH2 (for CSE) ITUATH2 (for IT) | L | Т | Р | CT-1 | CT-II | Attendance & Assignments | TOTAL | - | 50 | 1 |
| Subject: | HUMAN VALUES & ETHICS | 1 | 0 | - | 20 | 20 | 10 | 50 | | | |

COURSE OBJECTIVE:

- 1. To create an awareness on Engineering Ethics and Human Values.
- 2. To understand social responsibility of an engineer.
- 3. To appreciate ethical dilemma while discharging duties in professional life.

COURSE OUTCOME:

On completion of this course, the students will be able to

- Understand the significance of value inputs in a classroom and start applying them in their life and profession
- Distinguish between values and skills, happiness and accumulation of physical facilities, the Self and the Body, Intention and Competence of an individual, etc.
- 3. Understand the role of a human being in ensuring harmony in society and nature.
- 4. Distinguish between ethical and unethical practices, and start working out the strategy to actualize a harmonious environment wherever they work.

COURSE CONTENT:

UNIT I: Introduction to Value Education

- 1. Value Education, Definition, Concept and Need for Value Education.
- 2. The Content and Process of Value Education.
- 3. Basic Guidelines for Value Education.
- 4. Self exploration as a means of Value Education.
- 5. Happiness and Prosperity as parts of Value Education.

UNIT II: Harmony in the Human Being

- 1. Human Being is more than just the Body.
- 2. Harmony of the Self ('I') with the Body.
- 3. Understanding Myself as Co-existence of the Self and the Body.
- 4. Understanding Needs of the Self and the needs of the Body.
- 5. Understanding the activities in the Self and the activities in the Body.

UNIT III: Harmony in the Family and Society and Harmony in the Nature

- 1. Family as a basic unit of Human Interaction and Values in Relationships.
- The Basics for Respect and today's Crisis: Affection, e, Guidance, Reverence, Glory, Gratitude and Love.
- 3. Comprehensive Human Goal: The Five Dimensions of Human Endeavour.
- 4. Harmony in Nature: The Four Orders in Nature.
- 5. The Holistic Perception of Harmony in Existence.

UNIT IV: Social Ethics

- 1. The Basics for Ethical Human Conduct.
- 2. Defects in Ethical Human Conduct.
- 3. Holistic Alternative and Universal Order.
- 4. Universal Human Order and Ethical Conduct.
- 5. Human Rights violation and Social Disparities.

UNIT V: Professional Ethics

- 1. Value based Life and Profession.
- 2. Professional Ethics and Right Understanding.
- 3. Competence in Professional Ethics.
- 4. Issues in Professional Ethics The Current Scenario.
- 5. Vision for Holistic Technologies, Production System and Management Models.

TEXT BOOKS

- 1.A.NTripathy, New Age International Publishers, 2003.
- 2. Bajpai. B. L, , New Royal Book Co, Lucknow, Reprinted, 2004
- 3.Bertrand Russell Human Society in Ethics & Politics

REFERENCE BOOKS

- 1. Corliss Lamont, Philosophy of Humanism
- 2. Gaur. R.R., Sangal. R, Bagaria. G.P, A Foundation Course in Value Education, Excel Books, 2009.
- 3.Gaur. R.R., Sangal. R, Bagaria. G.P, Teachers Manual Excel Books, 2009.
- 4.I.C. Sharma . Ethical Philosophy of India Nagin & co Julundhar
- 5.Mortimer. J. Adler, Whatman has made of man
- 6. William Lilly Introduction to Ethic Allied Publisher

Course Outcomes and their mapping with Programme Outcomes: HUMAN VALUES AND ETHICS (ECUATH2 (for ECE), CSUATH2 (for CSE) and ITUATH2 (for IT))

| CO | | | | | | | PO | | | | | | | PSO | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | PSO3 |
| CO1 | | | | | | | | 3 | 3 | | | | | | |
| CO2 | | | | | | | | 3 | 3 | | | | | | |
| CO3 | | | | | | | | 3 | 3 | | | | | | |
| CO4 | | | | | | | | 3 | 3 | | | | | | |

Weightage: 1-Sightly, 2-Moderately, 3-Strongly

NSS

| SYLLABUS | (SEMESTER-I) | | erio We | | INTERNA | AL ASSES (IA) | SMENT | ESE Viva/ Assessment | Grand total | Credits |
|------------------|--------------|---|------------|---|------------|------------------|-------|-------------------------|----------------|---------|
| Subject Code: | NSUALS1 | L | T | Р | Attendance | Activities | TOTAL | | | |
| Subject: | NSS | - | - | 2 | 5 | 20 | 25 | 25 | 50 | 01 |

Objectives:

- 1. To develop Personality
- 2. To do Community Service
- 3. To do social Awareness and Empowerment
- 4. To enhance Skill
- 5. To work for National Integration

Course:

Program Head 1: Cleaning Program (06 Hours/ Semester)
Program Head 2: Plantation (06 Hours/ Semester)
Program Head 3: Health Camp/Special Days celebration
Program Head 4: Awareness program/Ralley (06 Hours/ Semester)

Course Outcomes:

At the end of this course, students will demonstrate the ability to:

- 1. Observe his/her internal ability and develop own personality.
- Apply knowledge of the importance of cleanliness and hygiene in their surroundings, and develop skills in waste management and recycling.
- **3.** Apply knowledge towards the significance of greenery and environmental conservation, participate in tree plantation drives, and understand the process of nurturing and caring for plants.
- 4. Apply knowledge of health issues prevalent in the community and methods of prevention and organizing health camps and awareness programs on special days like World Health Day or World AIDS Day.
- 5. Express social issues and their impact on the community. Actively participate in awareness programs and rallies to create awareness about social problems like gender inequality, or environmental degradation.

Course Outcomes and their mapping with PO and PSO: NSS (NSUBLS1)

| СО | | | | | | | PO | | | | | | | PSO | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|
| CO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | PSO3 |
| CO1 | | | | | | | | | 1 | | | | | | |
| CO2 | | | 1 | | | 1 | 2 | | | | | | | | |
| CO3 | | | 1 | | | 1 | 2 | | | | | | | | |
| CO4 | | | 1 | | | 1 | 2 | | | | | | | | |
| CO5 | | | 1 | | | 1 | 2 | | | | | | | | |

Weightage: 1-Sightly; 2-Moderately; 3-Strongly

| SYLLABUS | (SEMESTER-II) | Perio | ods/V | Veek | | Interna | ıl Assessment (| IA) | ESE | Grand Total | Credits |
|------------------|---------------------|-------|-------|------|----------|---------|--------------------------|-------|-----|----------------|---------|
| Subject Code: | LAUBTC1 | L | Т | Р | CT- 1 | CT- | Attendance & Assignments | TOTAL | | | |
| Subject: | INDIAN CONSTITUTION | 1 | | - | 20 | 20 | 10 | 50 | | 50 | 01 |

Course Learning Objectives:

- To the importance of preamble of the constitution of India.
- To understand the fundamental rights and duty as a citizen of India.
- To understand the functioning of union and state government and their inter-relationship.

Course Content:

UNIT 1: Introduction: Constitution-meaning of the term, Sources and constitutional theory, Features, Citizenship. Preamble.

UNIT 2: Fundamental Rights and Duties: Fundamental Rights, Fundamental Duties, Directive Principles of State Policy

UNIT 3: Union Government: Structure of Indian Union: Federalism, Centre-State relationship President: Role. Power and position, Prime Minister and council of ministers, Cabinet and Central Secretariat, Lok Sabha. Rajya Sabha

UNIT 4: State Government: Governor: Role and position, Chief Minister and council of ministers, State Secretariat

UNIT 5: Relationship between Centre and States: Distribution of Legislative Powers, Administrative Relations, Coordination between States

Textbooks/References:

- 1. Constitution of India, V.N. Shukla
- 2. The Constitutional Law of India, J.N. Pandey
- 3. Indian Constitutional Law. M.P. Jain

Course Outcome: At the end of the course students will be able to:

- 1. Describe the salient features of the Indian Constitution
- 2. List the Fundamental Rights and Fundamental Duties of Indian citizens
- 3. Describe the Directive Principles of State Policy and their significance

Course Outcomes and their mapping with Programme Outcomes: INDIAN CONSTITUTION (LAUATC1)

| СО | | | | | | | PO | | | | | | | PSO | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | PSO3 |
| CO1 | | | | 2 | | 2 | | 3 | | | | 1 | | | |
| CO2 | | | | | | 2 | | 3 | | | | 1 | | | |
| CO3 | | | | | | 2 | | 3 | | | | 1 | | | |

Weightage: 1-Sightly; 2-Moderately; 3-Strongly

गुरू घासीदास विश्वविद्यालय (केन्रीय विश्वविद्यालय) विभिन्न 2009 क्र. 25 के अंतर्गत स्वापित केन्द्रीय विश्वविद्यालय) कोनी, बिलासपुर - 495009 (छ.ग.)



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Koni, Bilaspur - 495009 (C.G.)

SCHEME FOR EXAMINATION B.TECH (FOUR YEAR) DEGREE COURSE THIRD YEAR, INFORMATION TECHNOLOGY SEMESTER V EFFECTIVE FROM SESSION 2022-23

| | SUBJECT | | 0.000 | RIO! | | EVAI | UATIO | N SCHEME | |
|------------|------------|--|-------|------|---|------|-------|----------|---------|
| SL. NO. | CODE | SUBJECTS | L | Т | P | IA | ESE | TOTAL | CREDITS |
| THEC | DRY | | | | | | | | |
| 1 | IT205TES07 | SIGNALS & SYSTEMS | 3 | 0 | 0 | 30 | 70 | 100 | 3 |
| 2 | IT205TPC01 | DATABASE MANAGEMENT SYSTEMS | 3 | 0 | 0 | 30 | 70 | 100 | 3 |
| 3 | IT205TPC02 | FORMAL LANGUAGE & AUTOMATA THEORY | 3 | 0 | 0 | 30 | 70 | 100 | 3 |
| 4 | IT205TPC03 | PYTHON PROGRAMMING | 3 | 1 | 0 | 30 | 70 | 100 | 4 |
| 5 | IT205TPE1X | ELECTIVE – I | 3 | 0 | 0 | 30 | 70 | 100 | 3 |
| PRAC | CTICAL | | | | | | | | |
| 1 | IT205PPC01 | DATABASE MANAGEMENT SYSTEMS LAB | 0 | 0 | 4 | 30 | 20 | 50 | 2 |
| 2 | IT205PPC02 | PYTHON PROGRAMMING LAB | 0 | 0 | 4 | 30 | 20 | 50 | 2 |
| 3 | IT205PMC01 | CONSTITUTION OF INDIA/ ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE | - | 2 | 2 | 121 | - | - | 0 |
| TOTA | AL CREDITS | | | | | | | | 20 |

LIST OF ELECTIVE-I

| 1 | IT205TPE11 | SOFTWARE ENGINEERING |
|----|------------|----------------------|
| 2 | IT205TPE12 | REAL TIME SYSTEM |
| 3. | IT205TPE13 | CYBER LAW & ETHICS |
| 4 | IT205TPF14 | EMBEDDED SYSTEMS |

| SUB CODE | L T P | | P | DURATION | IA | ESE | CREDITS | | |
|------------|-------|---|---|----------|-----|-----|---------|--|--|
| IT205PMC01 | - | - | 2 | 2 HOURS | 1-0 | - | 0 | | |

Constitution of India

Course Objectives:

- To realise the significance of constitution of India to students from all walks of life and help them
 to understand the basic concepts of Indian constitution.
- 2. To identify the importance of fundamental rights aswell as fundamental duties.
- 3. To understand the functioning of Union, State and Local Governments in Indian federal system.
- To learn procedure and effects of emergency, composition and activities of election commission and amendment procedure.

Unit I Introduction Constitution' meaning of the term,, Indian Constitution: Sources and constitutional history, Features: Citizenship, Preamble, Fundamental Rights and Duties, Directive Principles of State Policy

Unit II Union Government and its Administration Structure of the Indian Union: Federalism, Centre-State relationship, President: Role, power and position, PM and Council of ministers, Cabinet and Central Secretariat, Lok Sabha, Rajya Sabha

Unit III State Government and its Administration Governor: Role and Position, CM and Council of ministers, State Secretariat: Organisation, Structure and Functions

Unit IV Local Administration District's Administration head: Role and Importance, Municipalities: Introduction, Mayor and role of Elected Representative, CEO of Municipal Corporation, Pachayati raj: Introduction, PRI: Zila Pachayat, Elected officials and their roles, CEO Zila Pachayat: Position and role, Block level: Organizational Hierarchy (Different departments), Village level: Role of Elected and Appointed officials, Importance of grass root democracy

Unit V Election Commission: Role and Functioning, Chief Election Commissioner and Election Commissioners, State Election Commission: Role and Functioning, Institute and Bodies for the welfare of SC/ST/OBC and women

Books Recommended:

- 1. 'Indian Polity' by Laxmikanth
- 2. 'Indian Administration' by Subhash Kashyap
- 3. 'Indian Constitution' by D.D. Basu
- 4. 'Indian Administration' by Avasti and Avasti

Course Outcomes :

At the end of the course the student should be able to:

- Understand and explain the significance of Indian Constitution as the fundamental law of the land.
- Exercise his fundamental rights in proper sense at the same time identifies his responsibilities in national building.
- Analyse the Indian political system, the powers and functions of the Union, State and Local Governments in detail
- 4. Understand Electoral Process, Emergency provisions and Amendment procedure.

| SUB CODE | L | T | P | DURATION | IA | ESE | CREDITS |
|------------|---|---|---|----------|-----|-----|---------|
| IT205PMC01 | | | 2 | 2 HOURS | 79- | - | 0 |

Essence of Indian Traditional Knowledge

Course Objectives:

- To facilitate the students with the concepts of Indian traditional knowledge and to make them
 understand the Importance of roots of knowledge system.
- To make the students understand the traditional knowledge and analyze it and apply it to their day to day life.

Unit 1

Basic Structure of Indian Knowledge System

Unit2

Modern Science and Indian Knowledge System

Unit 3

Yoga

Unit 4

Holistic Health care

Unit 5

Case Studies.

Suggested Text/Reference Books

- V. Sivaramakrishna (Ed.), Cultural Heritage of India-Course Material, Bharatiya Vidya Bhavan, Mumbai, 5th Edition, 2014
- 2. Swami Jitatmanand, Modern Physics and Vedant, Bharatiya Vidya Bhavan
- 3. Fritzof Capra, Tao of Physics
- 4. Fritzof Capra, The wave of Life
- V N Jha (Eng. Trans,), Tarkasangraha of Annam Bhatta, Inernational Chinmay Foundation, Velliarnad, Amakuam
- 6. Yoga Sutra of Patanjali, Ramakrishna Mission, Kolkatta
- GN Jha (Eng. Trans.) Ed. R N Jha, Yoga-darshanam with Vyasa Bhashya, Vidyanidhi Prakasham, Delhi, 2016
- RN Jha, Science of Consciousness Psychotherapy and Yoga Practices, Vidyanidhi Prakasham, Delhi, 2016
- 9. P R Sharma (English translation), Shodashang Hridayam

Course Outcomes:

At the end of the Course, Student will be able to:

- 1. Identify the concept of Traditional knowledge and its importance.
- 2. Explain the need and importance of protecting traditional knowledge.
- 3. Illustrate the various enactments related to the protection of traditional knowledge.
- 4. Interpret the concepts of Intellectual property to protect the traditional knowledge.
- 5. Explain the importance of Traditional knowledge in Agriculture and Medicine.

गुरु घासीदास विश्वविद्यालय (केत्रीय विश्वविद्यालय अर्थिन्यम 2009 इ. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय) कोनी, बिलासपुर - 495009 (छ.ग.)



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| SI. | Course Type/ | Subjects | Perio | ods/V | Veek | E | valua | Credits | |
|-----|--|--|-------|-------|------|-----|-------|---------|----|
| | Code | | L | T | P | IA | ESE | Total | |
| 1. | 1TPBTT1 | Advanced Algorithms | 3 | 0 | 0 | 40 | 60 | 100 | 3 |
| 2. | ITPBTT2 | Advanced Computer Architecture | 3 | 0 | 0 | 40 | 60 | 100 | 3 |
| 3. | ITPBTP1 ITPBTP2 ITPBTP3 ITPBTP4 | Elective – III 1. Web and Database Security 2. Internet of Things 3. Data Science 4. High Performance Computing | 3 | 0 | 0 | 40 | 60 | 100 | 3 |
| 4. | ITPBTP5 ITPBTP6 ITPBTP7 ITPBTP8 | Elective – IV 1. Information Warfare & Security 2. Cyber Security 3. Advanced Computer Networks 4. Big Data Analytics | 3 | 0 | 0 | 40 | 60 | 100 | 3 |
| 5 | MSPBTO1 IPPBTO2 IPPBTO3 CEPBTO4 MEPBTO5 CHPBTO6 ECPBTO7 MCPBTO8 | Open Elective-1 1. Business Analytics 2. Industrial Safety 3. Operations Research 4. Cost Management of Engineering Projects 5. Composite Materials 6. Waste to Energy 7. IoT (Not for IT) 8. MOOCS | 3 | 0 | 0 | 40 | 60 | 100 | 3 |
| 6. | ITPBLT1 | Advanced Algorithms Lab | 0 | 0 | 4 | 30 | 20 | 50 | 2 |
| 7. | ITPBLT2 | Data Science Lab | 0 | 0 | 4 | 30 | 20 | 50 | 2 |
| 8. | ELPBTX1 PEPBTX2 CEPBTX3 | Audit Course/Value Added Course English for Research Paper Writing Stress Management by Yoga Disaster Management | 2 | 0 | 0 | 40 | 60 | 100 | 2 |
| . (| LAPBTX4 | Constitution of India | | | | | | | |
| | | Total | 17 | 0 | 08 | 300 | 400 | 700 | 21 |

Note: Under MOOCs the students have to opt any subject oth er than Information Technology from NPTEL/UGC SWAYAM

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गुरू घासीदास विश्वविद्यालय कोनी, बिलासपुर - ४९५००९ (छ.ग.)



Guru Ghasidas Vishwavidyalaya (A Central University Established by the Central Universities Act 2009 No. 25 of 2009)

Koni, Bilaspur - 495009 (C.G.)



| Subject: | Constitution of India (LAPBTN4) | Credits | | | | | |
|------------------|---------------------------------|---------|---|---|-------|--|--|
| Type: | Audit Course Value Added Course | L | Т | P | Total | | |
| Teaching Scheme: | Lectures: 2 hours week | 2 | 0 | 0 | 2 | | |

Course outcomes: At the end of the course, students will be able to

- 1 Discuss the growth of the demand for civil rights in India for the bulk of Indians before the arrival of Gandhi in Indian politics.
- 2 Discuss the intellectual origins of the framework of argument that informed the conceptualization of social reforms leading to revolution in India.
- 3 Discuss the circumstances surrounding the foundation of the Congress Socialist Party [CSP] under the leadership of Jawaharlal Nehru and the eventual failure of the proposal of direct elections through adult suffrage in the Indian Constitution.
- 4 Discuss the passage of the Hindu Code Bill of 1956.

Syllabus Contents:

- History of Making of the Indian Constitution: History Drafting Committee, (Composition & Working).
- Philosophy of the Indian Constitution: Preamble, Salient Features
- Contours of Constitutional Rights & Duties: Fundamental Rights, Right to Equality, Right to Freedom, Right against Exploitation, Right to Freedom of Religion, Cultural and Educational Rights, Right to Constitutional Remedies, Directive Principles of State Policy, Fundamental
- Organs of Governance: Parliament, Composition, Qualifications and Disqualifications, Powers and Functions, Executive, President, Governor, Council of Ministers, Judiciary, appointment and Transfer of Judges, Qualifications, Powers and Functions.
- Local Administration: District's Administration head: Role and Importance, Munici palities: Introduction, Mayor and role of Elected Representative, CEO of Municipal Corporation. Pachayati raj: Introduction, PRI: ZilaPachayat, Elected officials and their roles, CEO ZilaPachayat: Position and role. Block level: Organizational Hierarchy (Different departments), Village level: Role of Elected and Appointed officials, Importance of grass root democracy.
- Election Commission: Election Commission: Role and Functioning, Chief Election Commissioner and Election Commissioners, State Election Commission: Role and Functioning, Institute and Bodies for the welfare of SC/ST/OBC and women.

- The Constitution of India, 1950 (Bare Act), Government Publication.
- Dr. S. N. Busi, Dr. B. R. Ambedkar framing of Indian Constitution, 1st Edition, 2015.
- M. P. Jain, Indian Constitution Law. 7th Edn., Lexis Nexis, 2014.
- D.D. Basu, Introduction to the Constitution of India, Lexis Nexis, 2015.