# MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WB

# Syllabus of Bachelor in Sports Management (Effective for 2020-2021 Admission Session)

Choice Based Credit System

140 Credit (3-Year UG) MAKAUT Framework

w.e.f 2020-21

B.Sc in Yoga

# CBCS - MAKAUT UG degree 140 Credit FRAMEWORK (Revised)

| Subject Type | Semester I | Semester II | Semester III | Semester IV | Semester V | Semester VI |
|--------------|------------|-------------|--------------|-------------|------------|-------------|
| СС           | C1, C2     | C3, C4      | C5,C6,C7     | C8,C9,C10   | C11,C12    | C13,C14     |
| DSE          |            |             |              |             | DSE1, DSE2 | DSE3, DSE4  |
| GE           | GE1        | GE2         | GE3          | GE4         |            |             |
| AECC         | AECC 1     | AECC 2      |              |             |            |             |
| SEC          |            |             | SEC 1        | SEC 2       |            |             |
|              | 4 (20)     | 5 (20)      | 4 (26)       | 5(26)       | 4 (24)     | 4 (24)      |

# Choice Based Credit System 140 Credit (3-Year UG Hons.) MAKAUT Framework w.e.f 2020-21 B.SC YOGA B.Sc. Yoga Curriculum Structure

# 1<sup>ST</sup> SEMESTER

| Subject |   | Course        | Cre    | dit Distribu | tion     | Credit | Мо      | de of Del | ivery   | Proposed                         |
|---------|---|---------------|--------|--------------|----------|--------|---------|-----------|---------|----------------------------------|
| Type    | Course Name   | Code          | Theory | Practical    | Tutorial | Points | Offline | Online    | Blended | Moocs                            |
| CC 1    | HUMAN SYSTEM ACCORDING TO EASTERN & WESTERN CONCEPT   | BSY<br>101    | 5      | 0            | 1        | 6      | 1       |           |         |                                  |
| CC 2    | YOG-ABHYASA   | BSY(T)<br>102 | 4      | 0            | 0        | - 6    | 6       |           |         | As per<br>MAKAUT<br>Notification |
| CC 2    |   | BSY<br>192    | 0      | 2            | 0        |        |         |           |         |                                  |
| GE 1    | Students will have<br>to select from the<br>GE Basket |               |        |              |          | 6      |         |           | 1       |                                  |
| AECC 1  | ENGLISH<br>COMMUNICATION                              | BSY<br>164    | 2      | 0            | 0        | 2      | 1       |           |         |                                  |
|         | Sem   | dits          | 20     |              |          |        |         |           |         |                                  |

# 2ND SEMESTER

| Subject |   | Credit | Cro    | edit Distribu | tion     | Mod  | de of Deli | very    | Proposed            |
|---------|---|--------|--------|---------------|----------|--|------------|---------|---------------------|
| Туре    | Course Name   | Points | Theory | Practical     | Tutorial | Offline  | Online     | Blended | Moocs               |
| CC 3    |   |        | _      | •             |          | ,  |            |         |                     |
| BSY 201 | TEXTS ON YOGA   | 6      | 5      | 0             | 1        | <b>√</b>   |            |         |                     |
| CC 4    | YOG-ABHYASA II  | 6      | 4      | 2             | 0        | ✓  |            |         |                     |
| BSY 202 | 100 NBITINON II                                       | )      | •      | _             |          | , and the second |            |         |                     |
| GE 2    | Students will have<br>to select from the<br>GE Basket | 6      |        |               |          |  |            | 1       |                     |
| AECC 2  | ENVIRONMENTAL   | 2      | 2      | 0             | 0        | ✓  |            |         |                     |
| BSY 265 | SCIENCE   | 2      |        | U             | U        | •  |            |         | As per              |
| Sem     | Semester Credits                                      |        |        |               |          |  |            |         | MAKAUT notification |

# 3RD SEMESTER

|              |   | Credit | Cre    | edit Distribu | tion     | Mode of Delivery |        |         | Proposed            |
|--------------|---|--------|--------|---------------|----------|------------------|--------|---------|---------------------|
| Subject Type | Subject Type Course Name                              |        | Theory | Practical     | Tutorial | Offline          | Online | Blended | Moocs               |
| CC 5         | YOGA  |        |        |               |          |                  |        |         |                     |
| BSY 301      | TEACHING &<br>LEARNING -I                             | 6      | 4      | 2             | 0        | 1                |        |         |                     |
| CC 6         | HEALTH &<br>ILLNESS: A<br>HOLISTIC                    | 6      | 5      | 0             | 1        | 1                |        |         |                     |
| BSY 302      | APPROACH  |        |        |               |          |                  |        |         |                     |
| CC 7         | YOG-ABHYASA III                                       | 6      | 5      | 0             | 1        | 1                |        |         |                     |
| BSY 303      |   |        |        |               |          |                  |        |         |                     |
| GE 3         | Students will have<br>to select from the<br>GE Basket | 6      |        |               |          |                  |        | 1       |                     |
| SEC 1        | MENTAL  | 2      | 2      | 0             | 0        | 1                |        |         | As per              |
| BSY 354      | CONDITIONING  |        |        |               |          |                  |        |         | MAKAUT notification |
| Seme         | ster Credits  | 26     |        |               |          |                  |        |         |                     |

# **4TH SEMESTER**

| Code to set Ton | Carres Name   | Credit | Cro    | edit Distribu | tion     | Мо       | de of Del | livery  | Proposed               |
|-----------------|---|--------|--------|---------------|----------|----------|-----------|---------|------------------------|
| Subject Type    | Course Name   | Points | Theory | Practical     | Tutorial | Offline  | Online    | Blended | Moocs                  |
| CC 8            | ANCIENT   | 6      | 5      | 0             | 1        | <b>√</b> |           |         |                        |
| BSY 401         | INDOLOGY  |        |        |               | _        | -        |           |         |                        |
| CC 9            | YOG ABHYASA- IV                                       | 6      | 4      | 2             | 0        | 1        |           |         |                        |
| BSY 402         |   |        |        |               |          |          |           |         |                        |
| CC 10           | INDIAN  | 6      | 5      | 0             | 1        | <b>✓</b> |           |         |                        |
| BSY 403         | PHILOSOPHY  |        |        |               |          |          |           |         |                        |
| GE 4            | Students will have<br>to select from the<br>GE Basket | 6      |        |               |          |          |           | ✓       |                        |
| SEC 2           | FUNDAMENTALS OF<br>INFORMATION<br>TECHNOLOGY          | 2      | 2      | 0             | 0        | 1        |           |         | As per                 |
| BSY 455         | TECHNOLOGY  |        |        |               |          |          |           |         | MAKAUT<br>notification |
| Seme            | ster Credits  | 26     |        |               |          |          |           |         |                        |

# **5TH SEMESTER**

| Cubicat Tura      | Carriera Nama | Credit | Credit Credit Distribution |           |          | Mode of Delivery |        |         | Proposed         |
|-------------------|---------------|--------|----------------------------|-----------|----------|------------------|--------|---------|------------------|
| Subject Type Cour | Course Name   | Points | Theory                     | Practical | Tutorial | Offline          | Online | Blended | Moocs            |
| CC 11             | INDIAN        | 6      | 5                          | 0         | 1        | 1                |        |         |                  |
| BSY 501           | SCRIPTURES    | 0      | ر                          | U         | 1        |                  |        |         |                  |
| CC 12             | SCIENCE OF    |        | -                          | 0         | 4        | ,                |        |         |                  |
| BSY 502           | CONCIOUSNESS  | 6      | 5                          | 0         | 1        | •                |        |         |                  |
| DSE 1             | Elective 1    | 6      | 1                          | 0         | 5        |                  |        | 1       | _                |
| DSE 2             | Elective 2    | 6      | 1                          | 0         | 5        |                  |        | 1       | As per<br>MAKAUT |
| Semester Credits  |               | 24     |                            |           |          |                  |        |         | notification     |

# **6TH SEMESTER**

| Subject          | Course Name                                | Credit | Credit Distribution |           |          | Мо      | de of Del | ivery   | Proposed                         |
|------------------|--|--------|---------------------|-----------|----------|---------|-----------|---------|----------------------------------|
| Туре             | Type Course Name                           |        | Theory              | Practical | Tutorial | Offline | Online    | Blended | Moocs                            |
| CC 13<br>BSY 601 | ENTREPRENEURSHIP<br>MINDSET<br>DEVELOPMENT | 6      | 5                   | 0         | 1        | 1       |           |         |                                  |
| CC 14            | ENTREPRENEURSHIP                           | 6      | 5                   | 0         | 1        | 1       |           |         |                                  |
| BSY 602          | PROMOTION                                  |        |                     |           |          |         |           |         |                                  |
| DSE 3            | Capstone Project                           | 6      | 1                   | 0         | 5        |         |           | 1       | As nor                           |
| DSE 4            | Dissertation & Viva<br>Voce                | 6      | 1                   | 0         | 5        |         |           | 1       | As per<br>MAKAUT<br>notification |
| S                | Semester Credits                           |        |                     |           |          |         |           |         |                                  |

#### **PROGRAMME OUTCOMES**

After completion of the program, graduates will be able to:

- **PO1- Yoga Knowledge**: Integrate and apply knowledge of yoga and spiritual evolution for the practice of yoga as healthcare therapy. Develop the intellectual skills to Identify, formulate, analyse and solve healthcare disorders through holistic approach.
- **PO2- Design/Development of Solutions**: Identify, formulate and research solutions for complex health conditions and design yoga therapies to meet the specific needs with appropriate consideration for the individual health and safety, with due diligence to the cultural, religious, societal and environmental factors.
- **PO3- Yoga Professional and Society**: Demonstrate an understanding of professional ethics in yoga to assess the societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the profession in order to avoid controversies. Use modern tools and techniques in developing yoga specialty centres.
- **PO4- Individual and Teamwork**: Apply ethical principles and commit to professional ethics, responsibilities, and norms to function effectively in multidisciplinary healthcare teams, working cooperatively, respectfully, creatively and responsibly as a member/leader of a team.
- **PO5- Communication**: Communicate effectively with specialized and non-specialized audiences about yoga therapeutics as part of their complementary approach to health care. Promote the awareness for positive health and personality development in the society through yoga awareness programmes/training sessions.
- **PO6- Lifelong Learning**: Recognize the need to engage in in independent and lifelong learning through continuing education and research to adapt to the need of the society.

**Program Outcomes (PO) Mapping** 

| PO# | Program Outcome                  | Mapped courses                      |
|-----|----------------------------------|-------------------------------------|
|     | -                                | BSY 101, BSY 102.                   |
|     |                                  | BSY 201, BSY 202, BSY 301.          |
| 4   | Const. Marcon Louis              | BSY 302, BSY 303.                   |
| 1   | Yoga Knowledge                   | BSY 401, BSY 402, BSY 403.          |
|     |                                  | BSY 501, BSY 502, BSY 543.          |
|     |                                  | BSY 643, BSY 644.                   |
|     |                                  | BSY 102,                            |
|     |                                  | BSY 202, BSY 203, BSY 265.          |
| 2   | Design/Development of Solutions  | BSY 302, BSY 303.                   |
| 2   | Design/ Development of Solutions | BSY 402,                            |
|     |                                  | BSY 502, BSY 543, BSY 544.          |
|     |                                  | BSY 601, BSY 602, BSY 643, BSY 644. |
|     |                                  | BSY 102,                            |
|     |                                  | BSY 202, BSY 301                    |
| 3   | Yoga Professional and Society    | BSY 354                             |
| 3   | Toga Professional and Society    | BSY 403, BSY 455, BSY 474.          |
|     |                                  | BSY 502, BSY 543.                   |
|     |                                  | BSY 601, BSY 602.                   |
|     |                                  | BSY 164.                            |
|     |                                  | BSY 301, BSY 265.                   |
| 4   | Individual and Teamwork          | BSY 302.                            |
| 7   | Individual and Teamwork          | BSY 455,                            |
|     |                                  | BSY 543, BSY 544.                   |
|     |                                  | BSY 601, BSY 602, BSY 643, BSY 644. |
|     |                                  | BSY 164,                            |
|     |                                  | BSY 201, BSY 301                    |
| 5   | Communication                    | BSY 354.                            |
| •   |                                  | BSY 401, BSY 455                    |
|     |                                  | BSY 501, BSY 544.                   |
|     |                                  | BSY 601, BSY 602, BSY 643.          |
|     |                                  | BSY 201, BSY 301, BSY 265           |
|     |                                  | BSY 302, BSY 303                    |
| 6   | Lifelong Learning                | BSY 401, BSY 402                    |
|     |                                  | BSY 501, BSY 502, BSY 543.          |
|     |                                  | BSY 601, BSY 602.                   |

<sup>\*</sup>GE Courses are not in the above mapped list. Based on the choice of the learner that would necessarily be part of PO6 and the relevant PO's

#### COURSE: HUMAN SYSTEM ACCORDING TO EASTERN & WESTERN CONCEPT

CODE: BSY 101
COURSE OBJECTIVE:

The course is designed to provide an in-depth knowledge about the structure and functions of the human body and the interrelations between the different body parts in the practice of various yogic postures. Students will also be able to develop an understanding of the evolution of human body, the Pancha Kosha Theory and discern the concept of the Chakras, Mandalas, Vayus, Nadis & Swara Yoga.

| SI | Course Outcome   |  |  |  |  |  |
|----|--|--|--|--|--|--|
| 1  | Outline the structure of the body  |  |  |  |  |  |
| 2  | Illustrate the important functions of the body   |  |  |  |  |  |
| 3  | Understand the involvement of their body parts while practicing various postures of yoga |  |  |  |  |  |
| 4  | Understand the Evolution of Human Body   |  |  |  |  |  |
| 5  | Understand the Pancha Kosha Theory   |  |  |  |  |  |
| 6  | Have the knowledge about the Chakras, Mandalas, Vayus, Nadis & Swara Yoga                |  |  |  |  |  |

| Module<br>Number                                      | Content  | Total<br>Hours | %age of questions | Blooms Level<br>(if<br>applicable) |
|---|--|----------------|-------------------|------------------------------------|
| Module 1  | Introduction to Human Body<br>Musculoskeletal System<br>Digestive System | 10             | 15                | 1,2                                |
| Module 2  | Urinary system<br>Blood & Lymphatic system<br>Cardiovascular System      | 10             | 15                | 1,2                                |
| Module 3  | Nervous System Special Senses Respiratory System                         | 10             | 15                | 1,2                                |
| Module 4  | Endocrine System Reproductive system                                     | 10             | 15                | 1,2                                |
| Module 5  | Module 5 Evolution of Human Body Pancha Kosha Theory                     |                | 20                | 1,2,3                              |
| Module 6 Chakras & Mandalas Vayus, Nadis & Swara Yoga |  | 10             | 20                | 1,2,3                              |
|   |  | 60             | 100               |                                    |

MODULE 01 8L + 2T

> Introduction to Human Anatomy and Physiology, Basic Anatomical and Physiological terminologies.

- > Cell: Structure & Functions, different cell organelles and their functions.
- > Tissues and Organization of human system; Introduction to Support Systems.
- Maintenance Systems, Control Systems, Defense System and Concept of Homeostasis.

#### Musculoskeletal System.

- > The Skeletal System: Skeleton, Functions of skeleton, Classification of bones, Study of joints.
- Structure and function of a Synovial joint.
- The Muscular System: Types of Muscles in the body.
- > The characteristics, structure and functions of the Skeletal Muscles, Smooth Muscles and Cardiac Muscles.

#### Digestive System.

- Gross anatomy of digestive system, functional anatomy of Buccal cavity, Pharynx, Esophagus, Stomach, Small intestine, Large intestine and Anal canal.
- Physiology of digestion, assimilation & peristalsis, Gastric and digestive juices involved in digestion & associated glands involved in digestive system.

MODULE 02 8L + 2T

#### Urinary system.

- Anatomy of urinary tract with special reference to anatomy of kidney and nephrons, functions of kidney and urinary tract, physiology of urine formation, micturition reflex.
- ➤ Role of kidneys in acid base balance, role of RAS in kidney and disorders of kidneys.

#### Blood & Lymphatic system.

- Composition of blood corpuscles RBC, WBC and Platelets.
- Blood: Composition and Functions, Blood groups and their importance.
- Plasma, hemoglobin coagulation of blood and anti-coagulants.
- Sites, functional anatomy of lymph nodes and their function.
- Lymphatic system and its role in immune system.

#### Cardiovascular System.

- Functional anatomy of the Heart, arteries, veins and capillaries.
- ➤ The organization of systematic and pulmonary circulation, the cardiac cycle.
- Cardiac output and Venous return.
- ➤ Blood pressure and Regulation of blood pressure.

MODULE 03 8L + 2T

#### Nervous System.

- An introduction to Histology nerve structure and properties of neurons nerve action potential generation propagation factors influencing classification of neurons and nerve fibers, neuralgia cells, receptors and reflex arcs.
- Functional anatomy of Cerebrum, Cerebellum, spinal cord.
- Functions and importance of the parts of the brain viz., cerebrum, pons, medulla, thalamus, hypothalamus, cerebellum and autonomic nervous system [sympathetic and parasympathetic].

#### Special Senses.

Functional anatomy and physiology of eyes, ears, nose, tongue and skin.

#### Respiratory System.

- Gross anatomy of the respiratory passages, functions of Nasal cavity, Pharynx, Larynx, Trachea, Bronchus, Lungs and Alveoli.
- The process of Respiration, Lung volumes & capacities, Mechanics of breathing and exchange of gases in alveoli

MODULE 04 9L + 1T

#### **Endocrine System.**

- Anatomical structure of important endocrine glands (Pituitary, thyroid, parathyroid, pancreas, adrenal and gonads).
- Short anatomy of the hypothalamus and the releasing hormones secreted from it.
- Structure and function of anterior and posterior Pituitary.
- Function of thyroid, parathyroid, suprarenal and islets of Langerhans.

#### Reproductive system.

- Functional anatomy male reproductive system, seminal vesicles and prostrate glands.
- Spermatogenesis.
- Functional anatomy of female reproductive system.
- Ovarian hormones, menstruation, pregnancy, parturition and lactation.

MODULE 05 9L + 1T

#### **Evolution of Human Body.**

- > Panchamahabhutas, Panchatattvas and Panchatanmatras.
- > Evolution of human body in the context of Sankhya Darshana.
- Evolution of Jnanendriyas, Karmendriyas, Mahat, Manas, Buddhi, Chitta and Ahamkara.
- Saptadhatus that make the human body.

#### Pancha Kosha Theory.

- Critical analysis of the story of Bhrigu and Varuna.
- The existence of five koshas in the human body.
- The product of five koshas.
- Disturbance of each kosha.

MODULE 06 8L + 2T

#### Chakras & Mandalas.

- Introduction to Chakras.
- Evolution through the Chakras.
- Description of Muladhara, Swadhistana, Manipura, Anahata, Vishudhi, Bindubisarga, Ajna and Sahasrara Chakras.
- Concept of Mandalas, types and their work.

#### Vayus, Nadis & Swara Yoga.

- Concept of Vayus, type, their names and function.
- Concept of Nadis, their characteristics and the names of 10 major Nadis and their functions.
- > Difference between Ida, Pingala and Sushumna.
- Effects of Swarayoga as explained in the Hatha yogic texts, Relevance of svara- vijnana in day to day life and the importance of Swarodaya in health and disease.

#### **REFERENCE BOOKS:**

- 1. Gore, M.M.: Anatomy and Physiology of Yogic practices (Kanchan Prakshan, Lonavala, 2003)
- 2. Sri Krishna: Notes on Structure and Functions of Human Body and Effects of Yogic practices on it (Kaivalydhama S.M.Y.M Samiti, Lonavala, 1988)
- 3. Charu, Supriya: Sarir Rachana evam Kriya Vigyan.
- 4. Evelyn, C. Pearce: Anatomy and Physiology for Nurses (Faber and Faber Ltd. London, 1968

- 5. Chatterjee, C.C.: Human Physiology (Vol. I & II) (Medical Allied Agency, Calcutta, 1992)
- 6. Swami Harshananda: The Six Systems of Hindu Philosophy (Ramakrishna Matt, Bangalore, 2000)
- 7. Dr H R Nagendra & Dr R Nagarathna: Yoga Health (Swami Vivekananda Yoga Prakashana, 2000)
- 8. Swami Muktibodhananda: Hatha Yoga Pradeepika, Yoga Publication Trust, Munger.
- 9. Karel Werner: Yoga and Indian Philosophy (Motilal Banarsidass, Delhi, 1979).
- 10. Radhakrishnan, S.: Indian Philosophy (Vol. I & II) (George Allen and Unwin, London, 1971)
- 11. Sharma, Chandradhar: A Critical Survey of Indian Philosophy (Motilal Banarsidass, Delhi, 2000)
- 12. Nagendra H R: Integrated Approach of Yoga Therapy for positive health, Swami Vivekananda Yoga Prakashana, Bangalore.
- 13. Swami Niranjanananda Saraswati: Prana, Pranayama & Pranavidya, Yoga Publication Trust, Munger.

# COURSE: YOG-ABHYASA COURSE OBJECTIVE:

The course is designed to provide an in-depth understanding of the asanas with reference from ancient texts and scriptures. The course also intends to enable the students to practically experience the importance of recitation of Vedic hymns, Vedic chanting & breathing techniques in yoga.

| SI | Course Outcome (CO)   |
|----|---|
| 1  | Understand the Asanas with Textual Reference from Hatha Yoga Pradipika & Hatha Ratnavali. |
| 2  | Understand the Asanas with Textual Reference from Gheranda Samhita.                       |
| 3  | Understand the Asanas with Textual Reference from Shiva Samhita and Goraksa Samhita.      |
| 4  | Understand the importance of Vedic chanting in yoga.                                      |
| 5  | Skillfully recite the Vedic hymns.  |
| 6  | Apply the understanding in breathing in yogic practice.                                   |

# THEORY- BSY(T) 102

| со  | Blooms<br>Level | Modules | %age of questions |
|-----|-----------------|---------|-------------------|
| CO1 | 2,3             | M1, M2  | 25                |
| CO2 | 2,3             | M3      | 25                |
| CO3 | 2,3             | M4      | 25                |
| CO4 | 2,3             | M5, M6  | 25                |
| CO5 | 2,3             |         |                   |
| CO6 | 2,3,6           |         |                   |
|     |                 |         | 100               |

#### **PRACTICAL- BSY 192**

| со  | Blooms<br>Level | Modules | %age of questions |
|-----|-----------------|---------|-------------------|
| CO1 | 2,3             |         |                   |
| CO2 | 2,3             |         |                   |

| CO3 | 2,3   |        |     |
|-----|-------|--------|-----|
| CO4 | 2,3   |        |     |
| CO5 | 2,3   | M5, M6 | 50  |
| CO6 | 2,3,6 | M5, M6 | 50  |
|     |       |        | 100 |

#### **MODULE01**

10

#### Asanas with Textual Reference from Hatha Yoga Pradipika.

- Classification of asanas.
- > Important asanas in the context of Kundalini awakening.
- > Psychological, Physiological and Spiritual aspects of selected asanas with reference to Hatha yoga pradipika.
- Commonalities of asanas with other texts.

# **MODULE02**

10

#### Asanas with Textual Reference from Hatha Ratnavali.

- Classification of asanas.
- > Important asanas in the context of Kundalini awakening.
- Psychological, Physiological and Spiritual aspects of selected asanas with special reference to Hatharatnavali.
- Commonalities of asanas with other texts.

#### **MODULE03**

10

#### Asanas with Textual Reference from Gheranda Samhita.

- Classification of asanas.
- Important asanas in the context of Kundalini awakening.
- Psychological, Physiological and Spiritual aspects of selected asanas with special reference to Gheranda Samhita.
- Commonalities of asanas with other texts

# **MODULE04**

10

#### Asanas with Textual Reference from Shiva Samhita and Goraksa Samhita.

- Classification of asanas.
- Important asanas in the context of Kundalini awakening.
- Psychological, Physiological and Spiritual aspects of selected asanas with reference to Shiva Samhita and Goraksa Samhita.
- Commonalities of asanas with other texts.

#### **MODULE05**

15

- Vedic Chanting.
- Dasha Shanti.
- Different Shanti Mantras from the Principal Upanishads
- Vriguvalli.
- Reading Specific Mantras and their Meanings

#### **MODULE 06** Devotional Music.

15

- Introduction to Devotional Music
- Bhajanas, Dhuns, Namavalis, prayers and group singing of bhajanas.
- Bhajanas, Dhuns, Namavalis and Prayers Related to the Gods (Shiva & Krishna)

#### **REFERENCE BOOKS:**

- 1. Vasu RBSC.: The Gheranda Samhita (Munshiram Manoharlal Publishers Pvt.Ltd).
- 2. Vasu RBSC: The Siva Samhita, (Oriental Books Reprint Corporation, New Delhi.1979.
- 3. Mahayogindra S.: Hatha Rathnavalli, Sri M Ramkrishna Reddy
- 4. Swami Muktibodhananda Saraswati: Hatha Yoga Pradeepika, Yoga Publication Trust, Munger, Bihar, 1985.
- 5. Mantrapushpam, Ramakrishna Mission.
- 6. Vyasa Pushpanjali, Swami Vivekananda Yoga Prakashana, Bangalore, 2002.

**COURSE: ENGLISH COMMUNICATION** 

CODE: BSY 164
COURSE OBJECTIVE:

The course is designed to develop the student's communicative competence in English by giving adequate exposure in the four communication skills - LSRW - listening, speaking, reading and writing and the related sub-skills, thereby, enabling the student to apply the acquired communicative proficiency in social and professional contexts.

| SI | Course Outcome   | Mapped<br>modules |
|----|--|-------------------|
| 1  | Students will be able to Remember & Understand the basic concepts of the usage of English grammar & vocabulary in communication.   | M1                |
| 2  | Students will be able to Comprehend facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating the main ideas given in written texts. | M1,M2             |
| 3  | Students will be able to Synthesise and Apply acquired linguistic knowledge in producing various types of written texts  | M1, M3            |
| 4  | Students will be able to Comprehend facts and ideas from aural inputs and Synthesise and Apply acquired linguistic knowledge in giving spoken response                           | M1, M4            |

| Module<br>Number | Content                         | Total<br>Hours | %age of questions | Blooms Level (if applicable) | Remarks<br>(If any) |
|------------------|---------------------------------|----------------|-------------------|------------------------------|---------------------|
| M 1              | Functional grammar & Vocabulary | 2              | 10                | 1,2                          |                     |
| M 2              | Reading Skills                  | 2              | 20                | 1,2                          |                     |
| M 3              | Writing Skills                  | 8              | 40                | 2,3,4,                       |                     |
| M 4              | Listening & Speaking Skills     | 8              | 30                | 2,3,4                        |                     |
|                  |                                 | 20             | 100               |                              |                     |

**COURSE: ENGLISH COMMUNICATION** 

Code: BSY 164

Contact Hours / Week: 2L

Credits: 2

**Module 1: Functional Grammar & Vocabulary:** Tense: Formation and application; Affirmative / Negative / Interrogative formation; Modals and their usage; Conditional sentences; Direct and indirect speech; Active and passive voice; usage of common phrasal verbs, synonyms& antonyms.

1L + 1T

**Module 2: Reading Skills:** Comprehension passages; reading and understanding articles from technical writing. Interpreting texts: analytic texts, descriptive texts, discursive texts; SQ3R reading strategy.

1L + 1T

**Module 3: Writing Skills:** Writing business letters - enquiries, complaints, sales, adjustment, collection letters, replies to complaint & enquiry letters; Job applications, Résumé, Memo, Notice, Agenda, Reports – types & format, E-mail etiquette, advertisements

4L + 4T

# **Module 4: Listening & Speaking**

Listening: Listening process, Types of listening; Barriers in effective listening, strategies of effective listening Speaking: Presentations, Extempore, Role-plays, GD, Interview.

# **REFERENCE BOOKS:**

- 1. Bhatnagar, M & Bhatnagar, N (2010) Communicative English for Engineers and Professionals. New Delhi: Pearson Education.
- 2. Raman, M & Sharma, S (2017) Technical Communication. New Delhi: OUP.
- 3. Kaul, Asha (2005) The Effective Presentation: Talk your way to success. New Delhi: SAGE Publication.
- 4. Sethi, J & Dhamija, P.V. (2001), A Course in Phonetics and Spoken English. New Delhi:PHI.
- 5. Murphy, Raymond (2015), English Grammar in Use. Cambridge: Cambridge University Press.