

: Architecture Assistantship/ Automobile Engineering./ Artificial Intelligence/ Agricultural Engineering/ Artificial Intelligence and Machine Learning/ Automation and Robotics/ Architecture/ Cloud Computing and Big Data Analytics/ Civil Engineering/ Chemical Engineering/ Computer Technology/ Computer Engineering/ Civil & Rural Engineering/ Construction Technology/ Computer Science & Engineering/ Fashion & Clothing Technology/ Dress Designing & Garment Manufacturing/ Digital Electronics/ Data Sciences/ Electrical Engineering/ Electronics & Tele-communication Engg./ Electrical Power System/ Electronics & Communication Engg./ Electronic Instrumentation/ Food Technology/ Computer Hardware & Maintenance/ Hotel Management & Catering Technology/ Instrumentation/ Industrial Electronics/ Information Technology/ Computer Science & Information Technology/ Instrumentation/ Interior Design & Decoration/ Interior Design/ Civil & Environmental Engineering/ Mechanical Engineering/ Mechatronics/ Medical Laboratory Technology/ Medical Electronics/ Production Engineering/ Printing Technology/ Polymer Technology/ Surface Coating Technology/ Textile Technology/ Electronics & Computer Engg./ Travel and Tourism/ Textile Manufactures

**Programme:**

**Code** AA/AE/AI/AL/AN/AO/AT/BD/CE/CH/CM/CO/CR/CS/CW/DC/DD/DE/DS/EE/EJ/EP/ET/EX/FC/HA/HM/IC/IE

**Semester** : First

**Course Title** : YOGA AND MEDITATION

**Course Code** : 311003

**I. RATIONALE**

Diploma Graduate needs a sound body and mind to face the challenging situations in career as employee or as an entrepreneur. Yoga and Meditation brings about the holistic development of an individual and equips with necessary balance to handle the challenges. The age of polytechnic student is appropriate to get introduced to yoga practice as this will help them in studies as well as his professional life. Moreover, Yoga inculcates discipline in all walks of the life of student. Pranayama practice regulates breathing practices of the student to improve stamina, resilience. Meditation empowers a student to focus and keep calm to get peace of mind. World Health Organization (WHO) has also emphasized the role of yoga and meditation as stress prevention measure. National Education Policy -2020 highlights importance of yoga and meditation amongst students of all ages. Therefore, this course for Diploma students is designed for the overall wellbeing of the student and aims to empower students to adopt and practice "Yoga" in daily life .

**II. INDUSTRY / EMPLOYER EXPECTED OUTCOME**

Practice basic Yoga and Pranayama in daily life

**III. COURSE LEVEL LEARNING OUTCOMES (COS)**

Students will be able to achieve & demonstrate the following COs on completion of course based learning

- CO1 - Practice basic Yoga and Pranayama in daily life to maintain physical and mental fitness.
- CO2 - Practice meditation regularly for improving concentration and better handling of stress and anxiety.
- CO3 - Follow healthy diet and hygienic practices for maintaining good health.

**IV. TEACHING-LEARNING & ASSESSMENT SCHEME**

| Course Code | Course Title        | Abbr | Course Category/s | Learning Scheme          |    |    |       |       | Credits | Paper Duration | Assessment Scheme |       |       |                   |     |     |     |             |    |             |    |
|-------------|---------------------|------|-------------------|--------------------------|----|----|-------|-------|---------|----------------|-------------------|-------|-------|-------------------|-----|-----|-----|-------------|----|-------------|----|
|             |                     |      |                   | Actual Contact Hrs./Week |    |    | SLH   | NLH   |         |                | Theory            |       |       | Based on LL & TSL |     |     |     | Based on SL |    | Total Marks |    |
|             |                     |      |                   | CL                       | TL | LL |       |       |         |                | FA-TH             | SA-TH | Total | Practical         |     | SLA |     |             |    |             |    |
|             |                     |      |                   |                          |    |    | FA-PR | SA-PR |         |                |                   |       |       | Max               | Min | Max | Min |             |    |             |    |
| 311003      | YOGA AND MEDITATION | YAM  | VEC               | -                        | -  | 1  | 1     | 2     | 1       |                | -                 | -     | -     | -                 | 25  | 10  | -   | -           | 25 | 10          | 50 |

**IKS Content : 1 Hrs**

Abbreviations: CL- Classroom Learning , TL- Tutorial Learning, LL-Laboratory Learning, SLH-Self Learning Hours, NLH- Notional Learning Hours, FA - Formative Assessment, SA -Summative assessment, IKS - Indian Knowledge System, SLA - Self Learning Assessment

Legends: @ Internal Assessment, # External Assessment, \*# On Line Examination , @\$ Internal Online Examination

Note :

1. FA-TH represents average of two class tests of 30 marks each conducted during the semester.
2. If candidate is not securing minimum passing marks in FA-PR of any course then the candidate shall be declared as "Detained" in that semester.
3. If candidate is not securing minimum passing marks in SLA of any course then the candidate shall be declared as fail and will have to repeat and resubmit SLA work.
4. Notional Learning hours for the semester are (CL+LL+TL+SL)hrs.\* 15 Weeks
5. 1 credit is equivalent to 30 Notional hrs.
6. \* Self learning hours shall not be reflected in the Time Table.
7. \* Self learning includes micro project / assignment / other activities.

**V. THEORY LEARNING OUTCOMES AND ALIGNED COURSE CONTENT**

| Sr.No | Theory Learning Outcomes (TLO's)aligned to CO's. | Learning content mapped with Theory Learning Outcomes (TLO's) and CO's. | Suggested Learning Pedagogies. |
|-------|--|---|--------------------------------|
|-------|--|---|--------------------------------|

**VI. LABORATORY LEARNING OUTCOME AND ALIGNED PRACTICAL / TUTORIAL EXPERIENCES.**

| Practical / Tutorial / Laboratory Learning Outcome (LLO) | Sr No | Laboratory Experiment / Practical Titles / Tutorial Titles   | Number of hrs. | Relevant COs |
|--|-------|--|----------------|--------------|
| LLO 1.1 Practice warming up for Yoga.                    | 1     | Introduction :- Presentations on Introduction to Yoga and its History.<br>Lab Exp: 1. Perform warming up exercises to prepare the body from head to toe for Yoga.  | 5              | CO1          |
| LLO 2.1 Practice Surya Namaskar                          | 2     | Lab Exp: 2. Perform all the postures of Surya Namaskar one by one in a very slow pace, after warm up.<br>Lab Exp 3. Perform multiple Surya Namaskar ( Starting with three and gradually increasing it to twelve) in one go.<br>Experiment 2 to 4 must be followed by shavasana for self relaxation.  | 7              | CO1<br>CO2   |
| LLO 3.1 Practice basic Asanas                            | 3     | Lab Exp: 4 Perform Sarvangasana, Halasana, Kandharasana (setubandhasana)<br>Lab Exp: 5 Perform Bhujangasana, Naukasana, Mandukasana<br>Lab Exp: 6 Perform Paschimottasana, Baddhakonasana, Bharadwajasana.<br>Lab Exp: 7 Perform Veera Bhadrasana, Vrukshasana, Trikonasana.<br>Follow up experiment 5 to 7 with shavasana for self relaxation | 8              | CO2          |
| LLO 4.1 Practice basic pranayama                         | 4     | Lab Exp: 8 Perform Bhastrika, Anulom Vilom Pranayam Kriya<br>Lab Exp: 9 Practice Kapalbhathi Pranayam Kriya<br>Lab Exp: 10 Practice Bhramary Pranayam.   | 5              | CO3          |
| LLO 5.1 Practice meditation                              | 5     | Lab Exp: 11 Perform sitting in Dhyana Mudra and meditating. Start with five minute and slowly increasing to higher durations.<br>( Trainer will explain the benefits of Meditation before practice )   | 5              | CO3          |

**Note :**

Note:

1. Start and end of each session can be with appropriate Yoga prayers and chanting of Omkar.
2. Trainers can add similar asanas in practical sessions.
3. Students are to be instructed to practice the experiment performed at least twice a week as part of self learning practices.
4. Live demonstration by the trainer needs to be carried out during practical hours. Yogic Videos can be used as well .

**VII. SUGGESTED MICRO PROJECT / ASSIGNMENT/ ACTIVITIES FOR SPECIFIC LEARNING / SKILLS DEVELOPMENT (SELF LEARNING)****Micro project**

- Maintain a diary indicating date wise practice done by the student with a photograph of self in yogic posture.

**Assignment**

- Prepare Diet and nutrition chart for self

### Self Learning

- Practice at least thrice a week.
- Read books on different methods to maintain health, wellness and to enhance mood
- Watch videos on Yoga Practices.

### VIII. LABORATORY EQUIPMENT / INSTRUMENTS / TOOLS / SOFTWARE REQUIRED

| Sr.No | Equipment Name with Broad Specifications  | Relevant LLO Number |
|-------|---|---------------------|
| 1     | Yoga and Meditation kits :<br>Yoga Mats, Yoga Rollers, Yoga Blocks, Aero Yoga Clothing Blankets, Cloth Straps, Bolsters, Wheels | All                 |

### IX. SUGGESTED FOR WEIGHTAGE TO LEARNING EFFORTS & ASSESSMENT PURPOSE (Specification Table) : NOT APPLICABLE

### X. ASSESSMENT METHODOLOGIES/TOOLS

#### Formative assessment (Assessment for Learning)

- Lab performance, Self-learning and Terms work

#### Summative Assessment (Assessment of Learning)

- Actual Practical Performance

### XI. SUGGESTED COS - POS MATRIX FORM

| Course Outcomes (COs) | Programme Outcomes (POs)                     |                       |                                       |                        |  |                         |                         | Programme Specific Outcomes* (PSOs) |       |       |
|-----------------------|--|-----------------------|---------------------------------------|------------------------|--|-------------------------|-------------------------|-------------------------------------|-------|-------|
|                       | PO-1 Basic and Discipline Specific Knowledge | PO-2 Problem Analysis | PO-3 Design/ Development of Solutions | PO-4 Engineering Tools | PO-5 Engineering Practices for Society, Sustainability and Environment | PO-6 Project Management | PO-7 Life Long Learning | PSO-1                               | PSO-2 | PSO-3 |
| CO1                   | -  | -                     | -                                     | -                      | 3  | -                       | -                       |                                     |       |       |
| CO2                   | -  | -                     | -                                     | -                      | 3  | -                       | -                       |                                     |       |       |
| CO3                   | -  | -                     | -                                     | -                      | 3  | -                       | -                       |                                     |       |       |

Legends :- High:03, Medium:02,Low:01, No Mapping: -  
\*PSOs are to be formulated at institute level

### XII. SUGGESTED LEARNING MATERIALS / BOOKS

| Sr.No | Author                      | Title  | Publisher   |
|-------|-----------------------------|--|---|
| 1     | Swami Vivekananda           | Patanjalis Yoga Sutras   | Fingerprint Publishing (2023) Prakash Books India Pvt Ltd, New Delhi ISBN-13?: ? 978-9354407017 |
| 2     | Luisa Ray, Angus Sutherland | Yoga for Every Body: A beginner's guide to the practice of yoga postures, breathing exercises and me | Vital Life Books (2022) ISBN-13?: ? 978-1739737009  |
| 3     | Swami Saradananda           | Mudras for Modern Living: 49 inspiring cards to boost your health, enhance your yoga and deepen your | Watkins Publishing (2019) ISBN-13?: ? 978-1786782786  |

| Sr.No | Author   | Title   | Publisher                                 |
|-------|--|---|---|
| 4     | Martha Davis, Elizabeth Robbins, Matthew McKay, Eshelman MSW | The Relaxation and Stress Reduction Workbook                                    | A New Harbinger Self-Help Workbook (2019) |
| 5     | Ann Swanson  | Science of Yoga: Understand the Anatomy and Physiology to Perfect Your Practice | ISBN-13?: ? 978-1465479358                |

### XIII . LEARNING WEBSITES & PORTALS

| Sr.No | Link / Portal  | Description   |
|-------|--|---|
| 1     | <a href="https://onlinecourses.swayam2.ac.in/aic19_ed28/preview">https://onlinecourses.swayam2.ac.in/aic19_ed28/preview</a> - introduction to Yoga and Applications of Yog | Yoga and Applications of Yoga                       |
| 2     | <a href="https://onlinecourses.swayam2.ac.in/aic23_ge09/preview">https://onlinecourses.swayam2.ac.in/aic23_ge09/preview</a>  | Yoga for Creativity                                 |
| 3     | <a href="https://onlinecourses.swayam2.ac.in/aic23_ge05/preview">https://onlinecourses.swayam2.ac.in/aic23_ge05/preview</a>  | Yoga for concentration                              |
| 4     | <a href="https://onlinecourses.swayam2.ac.in/aic23_ge06/preview">https://onlinecourses.swayam2.ac.in/aic23_ge06/preview</a>  | yoga for memory development                         |
| 5     | <a href="https://onlinecourses.nptel.ac.in/noc21_hs29/preview">https://onlinecourses.nptel.ac.in/noc21_hs29/preview</a>  | Psychology of Stress, Health and Well-being         |
| 6     | <a href="https://onlinecourses.swayam2.ac.in/nce19_sc04/preview">https://onlinecourses.swayam2.ac.in/nce19_sc04/preview</a>  | Food Nutrition for Healthy Living - Course – Swayam |
| 7     | <a href="https://www.classcentral.com/course/swayam-fitness-management-">https://www.classcentral.com/course/swayam-fitness-management-</a>                                | Fitness Management from Swayam                      |