

**YOGA AND MEDITATION****Course Code : 311003****Programme Name/s**

**: Architecture Assistantship/ Automobile Engineering./ Artificial Intelligence/ Agricultural Engineering/  
Artificial Intelligence and Machine Learning/ Automation and Robotics/ Architecture/ Cloud Computing and Big Data/  
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./ Electronics Engineering/  
Food Technology/ Computer Hardware & Maintenance/ Hotel Management & Catering Technology/ Instrumentation & Control/  
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/ IF/ IH/ IS/ IX/ IZ/ LE/ ME/ MK/ ML/ MU/ PG/ PN/ PO/ SC/ TC/ TE/ TR/ TX**

**Semester****: First****Course Title****: YOGA AND MEDITATION****MSBTE Approval Dt. 09/08/2023****Semester - 1, K Scheme**

**YOGA AND MEDITATION****Course Code : 311003****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**

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

**Total IKS Hrs for Sem. : 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****MSBTE Approval Dt. 09/08/2023****Semester - 1, K Scheme**

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<b>Sr.No</b>	<b>Theory Learning Outcomes (TLO's) aligned to CO's.</b>	<b>Learning content mapped with Theory Learning Outcomes (TLO's) and CO's.</b>	<b>Suggested Learning Pedagogies.</b>
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**VI. LABORATORY LEARNING OUTCOME AND ALIGNED PRACTICAL / TUTORIAL EXPERIENCES.**

<b>Practical / Tutorial / Laboratory Learning Outcome (LLO)</b>	<b>Sr No</b>	<b>Laboratory Experiment / Practical Titles / Tutorial Titles</b>	<b>Number of hrs.</b>	<b>Relevant COs</b>
LLO 1.1 Practice warming up for Yoga.	1	Introduction :- Presentations on Introduction to Yoga and its History. 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. Lab Exp 3. Perform multiple Surya Namaskar ( Starting with three and gradually increasing it to twelve) in one go. Experiment 2 to 4 must be followed by shavasana for self relaxation.	7	CO1 CO2
LLO 3.1 Practice basic Asanas	3	Lab Exp: 4 Perform Sarvangasana, Halasana, Kandharasana (setubandhasana) Lab Exp: 5 Perform Bhujangasana, Naukasana, Mandukasana Lab Exp: 6 Perform Paschimottasana, Baddhakonasana, Bharadwajasana. Lab Exp: 7 Perform Veera Bhadrasana, Vrukshasana, Trikonasana. 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 Lab Exp: 9 Practice Kapalbhati Pranayam Kriya Lab Exp: 10 Practice Bhramary Pranayam.	5	CO3

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<b>Practical / Tutorial / Laboratory Learning Outcome (LLO)</b>	<b>Sr No</b>	<b>Laboratory Experiment / Practical Titles / Tutorial Titles</b>	<b>Number of hrs.</b>	<b>Relevant COs</b>
LLO 5.1 Practice meditation	5	Lab Exp: 11 Perform sitting in Dhyan Mudra and meditating. Start with five minute and slowly increasing to higher durations. ( Trainer will explain the benefits of Meditation before practice )	5	CO3
<b>Note : Out of above suggestive LLOs -</b> <ul style="list-style-type: none"> <li>• '*' Marked Practicals (LLOs) Are mandatory.</li> <li>• Minimum 80% of above list of lab experiment are to be performed.</li> <li>• Judicial mix of LLOs are to be performed to achieve desired outcomes.</li> </ul>				

## **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.

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- Above is just a suggestive list of microprojects and assignments; faculty must prepare their own bank of microprojects, assignments, and activities in a similar way.
- The faculty must allocate judicious mix of tasks, considering the weaknesses and / strengths of the student in acquiring the desired skills.
- If a microproject is assigned, it is expected to be completed as a group activity.
- SLA marks shall be awarded as per the continuous assessment record.
- If the course does not have associated SLA component, above suggestive listings is applicable to Tutorials and maybe considered for FA-PR evaluations.

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

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

**IX. SUGGESTED 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

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- Actual Practical Performance

**XI. SUGGESTED COS - POS MATRIX FORM**

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

<b>Sr.No</b>	<b>Author</b>	<b>Title</b>	<b>Publisher with ISBN Number</b>
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<b>Sr.No</b>	<b>Author</b>	<b>Title</b>	<b>Publisher with ISBN Number</b>
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
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**

<b>Sr.No</b>	<b>Link / Portal</b>	<b>Description</b>
1	<a href="https://onlinecourses.swayam2.ac.in/aic19_ed28/preview-introduction%20to%20Yoga%20and%20Applications%20of%20Yog">https://onlinecourses.swayam2.ac.in/aic19_ed28/preview-introduction to Yoga and Applications of Yog</a>	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

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<b>Sr.No</b>	<b>Link / Portal</b>	<b>Description</b>
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-managemen">https://www.classcentral.com/course/swayam-fitness-managemen</a> t-	Fitness Management from Swayam
<b>Note :</b> <ul style="list-style-type: none"><li>Teachers are requested to check the creative common license status/financial implications of the suggested online educational resources before use by the students</li></ul>		

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