

19HSS01 - SCIENCE OF CREATIVITY AND PROFESSIONAL ETHICS

L	T	P	C
1	0	0	1

ASSESSMENT : THEORY

COURSE OUTCOMES

CO1 : Describe the principles of karma yoga and functioning of mind and consciousness.

CO2 : Hypothesize the evolution of Universe and living beings in a global and societal context

CO3 : Infer the principles of Yoga to practice it and know the value of health.

CO4 : Interpret the philosophy of introspection procedures for better living

CO5 : Assess, take personal responsibility and follow professional ethics for sustained growth in career and life.

LIFE FORCE, MIND AND CONSCIOUSNESS

Science of Creativity and Personality Development - Objectives - Principles of Karma Yoga - Duty Consciousness – Communism and Capitalism - Law of Nature - Life Force - Origin - Potentiality of the Life Force - Premordial State - Wave Theory - Consciousness-PanchaThanmatras - Secret of Revelations - Mind - Biomagnetism - Physical Transformation of Biomagnetism. (7)

EVOLUTION OF THE UNIVERSE AND LIVING BEINGS

Evolution of the Universe: Creation Theory - Evolution Theory - Theory of Permanence - Theory of Mithya - Evolution of Living Beings: Absolute Space and Force - Plants Experience Pain - Two Eyes and Two Ears - Seven Constituent Layers in the Body. (5)

YOGA AND ITS BENEFITS

Simple and Safe Yoga - Upa Yoga Practices: Yoga for Peace - Yoga for Health - Yoga for Joy - Yoga for Love - Yoga for Wellbeing - Yoga for Success. Physical Exercise - Meditation - Seven Centers of Meditation - Benefits - Effect of Good Vibrations -Cause and Effect System -Food and Health. (6)

INTROSPECTION

Attachment, Detachment and Moderation in Enjoyment - Imaginary Expectations - Harmony in Life: Self, Family, Society and Nature - Introspection: Analysis of Thought, Moralization of Desire, Neutralization of Anger, Eradication of Worries and Self Realization. (6)

HUMAN VALUES

Morals, Values and Ethics - Integrity - Work Ethics - Service Learning - Virtues - Respect for Others - Living Peacefully – Caring - Sharing - Honesty - Courage - Valuing Time - Cooperation - Commitment - Empathy - Self Confidence - Challenges in Work Place - Impact of cyberspace on individuals. (6)

TOTAL : 30

TEXT BOOKS

1. YogirajVethathri Maharishi, "Karma Yoga - The Holistic Unity", Vethathri Publications, IV Edition, 2009. (Chapters 1-7, 10-12)
2. R.S.Naagarazan, "A Textbook on Professional Ethics and Human Values", New Age International Publishers, New Delhi, 2011.

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1. Sadhguru, "Body the Greatest Gadget and Mind is your Business", Diamond Pocket Books Pvt. Ltd, Isha Foundations, 2013.
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COIMBATORE INSTITUTE OF TECHNOLOGY, Coimbatore - 14

DEPARTMENT OF MECHANICAL ENGINEERING

ONE CREDIT COURSE DETAILS

Name of the Industry	: Koso India Private Limited 1/80, Telungalayam Road, Pillayappampalayam, Annur, Coimbatore – 641697 Tamil Nadu, India.
Name of the Course	: One Credit Course on “19MEOC05 - Foundry Practice and Procedure”
Course Duration	: 15 hours
Number of students per batch	: 25
Period	: August 2022 to November 2022
Department & Institute to which the course is offered	: Department of Mechanical Engineering, Coimbatore Institute of Technology, Civil Aerodrome Post, Coimbatore - 641014.
Course Coordinators	: Koso India Private Limited: 1. Mr.P.SATHIYAMURTHY (+91 94899 05681) 2. Mr.D.SIVAKUMAR (+91 98941 09987) 3. Mr.S.SATHEESHKUMAR Coimbatore Institute of Technology: 1. Dr.G.SURESHKANNAN (+91 9600736007) Associate Professor, Department of Mechanical Engineering 2. Dr.A.THANGARASU (+91 9942605474) Assistant Professor, Department of Mechanical Engineering
Course Module	: 1. Gating system design for pattern design – Method calculation (4 hours) 2. Moulding process- Alpha set (1 hour) 3. Melting process – Carbon Steel and Stainless Steel(ASTM A216 and ASTM A351) (3 hours) 4. Heat Treatment – for Carbon Steel and Stainless Steel (2 hours) 5. Quality –for Carbon Steel and Stainless Steel –Destructive testing, NDT, Final inspection (4 hours) 6. Recent developments in the casting processes (1 Hour)

Total : 15 Hours

19MEOC Innovation and Entrepreneurship

COURSE OUTCOMES

The students will be able to

CO1: Identify and search for innovative opportunities.

CO2: Develop innovative ideas for pressing needs of the society.

CO3: Recognize if an innovative idea can be translated into a viable business or service.

Practice of Innovation

Systematic Entrepreneurship – Purposeful innovation – Seven sources for innovative opportunity – The unexpected – Incongruities – Process need – Industry and Market structures – Demographics – changes in perception – new knowledge – Principles of Innovation

Sources – The unexpected and Incongruities

The Unexpected – Success, Failure, Outside Event.

Incongruities – Economic realities, Incongruity between reality and the assumptions about it, Incongruity between perceived and actual customer values and expectations, Incongruity within logic of a process.

Sources – The Process Need and Industry & Market structures

The Process Need – Basic Criteria of process needs.

Industry and Market Structures – Opportunity, changes in industry structures.

Sources – Demographics, Changes in perception and New knowledge

Demographics – Successful exploitation.

Changes in perception – Timing.

New knowledge – knowledge-based innovation, convergences, requirements, unique risks, shakeout, receptivity gamble.

Principles of Innovation

Bright Idea - Innovation – Do's and Don'ts – three conditions – conservative innovator.

BOOKS AND REFERENCES

1. Peter F Drucker, “Innovation and Entrepreneurship”, Harper and Row Publishers Inc, USA, 2009.

2. Robert D Hisrich, Michael P Peters and Dean A Shepherd, “Entrepreneurship”, Tata Mc Graw Hill, 10th Edition, 2017.

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21MG63S33360390

To
SAM SOLOMON D P
DEPT OF MECHANICAL ENGG, CIT
CIVIL AERODROME POST, AVINASHI ROAD
COIMBATORE
TAMILNADU - 641014
PH. NO :9488571718



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
SAM SOLOMON D P
for successfully completing the course



Innovation, Business Models and Entrepreneurship

with a consolidated score of **83** %

Online Assignments	22.83/25	Proctored Exam	60/75
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Total number of candidates certified in this course: **2250**

Prof. V. C. Srivastava
Coordinator, Continuing Education Centre
IIT Roorkee

Aug-Oct 2021
(8 week course)

Prof. Priti Maheshwari
NPTEL Coordinator
IIT Roorkee



Indian Institute of Technology Roorkee



Roll No:NPTEL21MG63S33360390

To validate and check scores: <https://nptel.ac.in/noc>

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COIMBATORE INSTITUTE OF TECHNOLOGY,COIMBATORE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

19HSS01-Science of Creativity and Professional Ethics

S.No.	Roll Number	Student Name
1.	71762105001	Adhithya Laxman R G
2.	71762105002	Ajai Prasath.R.K
3.	71762105003	Ajay krishna .M
4.	71762105004	Akshaya Ashok
5.	71762105005	Akshay Kumar S
6.	71762105006	Aniruthan M
7.	71762105007	Anuvarshini K
8.	71762105008	C.S.Ariharan
9.	71762105009	Bhuvana.K
10.	71762105010	Chandhini.A
11.	71762105011	M.Chandhru
12.	71762105012	Deeba Darshini S.A
13.	71762105013	Dharani Jayam.D
14.	71762105014	D.Dhileep
15.	71762105015	M. Dhilip kumar
16.	71762105016	Faizan.f
17.	71762105017	Giri Prasath.V
18.	71762105018	Gladwin A J
19.	71762105019	S Gokul sri
20.	71762105020	Gokul Ajay P
21.	71762105021	K.T Gokulshankar
22.	71762105022	M Hanush
23.	71762105023	Haripriya A
24.	71762105024	Jefrina A P
25.	71762105025	M.Kamali
26.	71762105026	V.Karthigaiselvi
27.	71762105027	Karthika S
28.	71762105028	Karthikeyan A
29.	71762105029	Karthikeyan.P
30.	71762105032	Kiruthika S
31.	71762105033	Manikandan B

32.	71762105034	MANISH V
33.	71762105035	Manjupriya s
34.	71762105036	Manoj S
35.	71762105037	Monika S
36.	71762105038	Monisha.S
37.	71762105039	Mukilan. S
38.	71762105041	Muthu Jawahar K
39.	71762105043	Nivedha R
40.	71762105044	R.Pooja
41.	71762105045	Prakash. S
42.	71762105046	Preethi. S
43.	71762105047	G.Priya Dharshini
44.	71762105048	Priyanga K
45.	71762105049	Radhesh Rathnam J
46.	71762105050	Rajaponpriya R
47.	71762105051	M.Sathika harsathee
48.	71762105052	Shreya B
49.	71762105053	Sneha . R
50.	71762105054	Subikksha R
51.	71762105055	R.Suresh
52.	71762105056	J.Swathi
53.	71762105057	S. Tarun
54.	71762105058	Vignesh
55.	71762105059	Vikkram. V
56.	71762105060	Yaalini s
57.	71762105125	Rupam Biswas
58.	71762205201	Harshal Ram R V
59.	71762205202	Jaaswanth E
60.	71762205203	Logadeep R
61.	71762205204	Phranav K S
62.	71762205206	Roshini B A
63.	7176 21 05 061	Adhiyamaan.C.
64.	7176 21 05 062	Adithya Sai Srinivas B
65.	7176 21 05 063	Akhilesh V R
66.	7176 21 05 064	Akshaya R B
67.	7176 21 05 065	Arshad Ahmed A
68.	7176 21 05 066	Arunkumar S
69.	7176 21 05 067	Beni Joe J
70.	7176 21 05 068	Bhuvan Shankar S
71.	7176 21 05 069	Darshan R
72.	7176 21 05 070	Dharsan S M
73.	7176 21 05 071	Dilip S

74.	7176 21 05 072	Edees Nasrullah Dar
75.	7176 21 05 073	Hari Prasath S
76.	7176 21 05 074	Jagadeep S
77.	7176 21 05 075	Janani M
78.	7176 21 05 077	Kalaiselvan M P S
79.	7176 21 05 078	Kavin Krishna V B
80.	7176 21 05 079	Keerthi Shankkar J
81.	7176 21 05 080	Kirthika P
82.	7176 21 05 081	Kirthika T
83.	7176 21 05 082	Koushik S
84.	7176 21 05 083	Lakshana.D
85.	7176 21 05 084	Lipilekha P
86.	7176 21 05 085	Madhumitha M
87.	7176 21 05 086	Maneesh Aravind S
88.	7176 21 05 087	Mohana Aarthi K
89.	7176 21 05 088	Narmatha R
90.	7176 21 05 089	Nikhil R
91.	7176 21 05 090	Niranjan R M
92.	7176 21 05 091	Nishadevi R
93.	7176 21 05 092	Pravina K
94.	7176 21 05 093	Priya Darshni S
95.	7176 21 05 094	Priyanth V
96.	7176 21 05 095	Raihaan G
97.	7176 21 05 096	Ram Sundhar A
98.	7176 21 05 097	Ranjith Kumar A
99.	7176 21 05 098	Rithish S
100.	7176 21 05 099	Rokith G
101.	7176 21 05 100	Sakithyan A
102.	7176 21 05 101	Sanjay S
103.	7176 21 05 104	Selvi T
104.	7176 21 05 106	Siddarth S
105.	7176 21 05 107	Smrithi G
106.	7176 21 05 108	Sowbarnika A
107.	7176 21 05 109	Sridhar M
108.	7176 21 05 110	Srikanth B
109.	7176 21 05 113	Subi K
110.	7176 21 05 114	Sudharshaan S
111.	7176 21 05 116	Thyagarajan S
112.	7176 21 05 117	Venkata Prabhu S
113.	7176 21 05 118	Vishalini B
114.	7176 21 05 119	Vishnu Priya M
115.	7176 21 05 120	Thriyambika R

116.	7176 22 05 207	Bala Kumaran M
117.	7176 22 05 209	Durga Devi N
118.	7176 22 05 210	Hemanth S
119.	7176 22 05 211	Nareshprabu P
120.	7176 22 05 212	Shivaramakrishnan T S

Course: B.Tech.		Branch: Artificial Intelligence and Data Science				Semester: II	
Section/Hall: -		Year: 2022-2023 Even Semester				Lecture Hall: M303	
						Tutors: Dr.T.Ramraj, Dr.M.Karthiga	
Hour	1	2	3	4	5	6	7
Day	8:30 A.M- 9:25 A.M	9:25 A.M - 10.20 A.M	10:35 A.M- 11:30 A.M	11:30 A.M- 12:25 P.M	1:30 P.M - 02:25 P.M	02:25 P.M- 03:20 P.M	03:30 P.M- 04:25 P.M
Mon	21AD21	21CS21	21PL21 / 21CL21		21FYEL21		SCH/RCH
Tue	21CSL22(T)	21AD21	21CSL21		21FYM21		1C
Wed	21CS21	21FYM21	21MEL11		TWM / CCM	ASSOCIATI ON/PLACEM ENT	21ADCC01
Thurs	21FYC21	21AD21	21FYM21	21CS21	21MEL11		
Fri	21CSL22(L)		21CSL22(L)		GATE Training	21FYM21	CGC
Subject Code	Subject Name		Credit	Faculty			
21FYM21	Linear Algebra and Gradient Calculus		4	Dr.S.Murali			
21AD21	Fundamentals of Industry Revolution 4.0		3	Ms.R.Akshaya			
21FYC21	Environmental Science and Engineering		1	Dr.K.V.Hemalatha			
21CS21	Digital Design		3	Dr.N.Deepa			
21CSL22	Python Programming (IT442)		3	Dr.Valliappan Raman / Dr.T.Ramraj / Dr.B.Premalatha / Mr.K.Muralidharan / Ms.Janani / Ms.Shanmuga Priya			
21MEL11	Engineering Graphics		3	Dr.V.G.Srisanthi / Dr.V.G.Kalpana / Ms.V.Padma Poorani / Ms.K.Kavitha / Dr.N.Saranya			
21PL21	Physics Laboratory II		0.5	Dr.R.Sanjeevkumar / Dr.T.Venkatachalam / Dr.S.Vasantha / Dr.S.Agilan / Dr.A.B.Vennela / Dr.P.Balraju / Dr. P.Suresh / Dr.M.Vijay			
21CL21	Chemistry Laboratory II		0.5	Dr.K.V.Hemalatha / Dr.P.Thanapackiam / Dr.S.Sugapriya / Dr.B.Gayathri / Dr.S.Syed Jaffer / Dr.P.Rupa			
21CSL21	Digital Design Laboratory (L202, IT214)		1	Dr.T.Ramraj / Dr.M.Karthiga / Ms.K.Sudha / Ms.R.Kalaivani / Dr.N.Deepa / Ms.R.Akshaya / Ms.Janani			
21FYEL21	English for Employability		1	Mr.E.Justin Ruben / Dr.A.Santha Devi			
21ADCC01	Co-Curricular Activities		-	Dr.T.Ramraj / Ms.K.Sudha			
1C	Additional one credit course (Tamil)		-	(15 Hours)			
	GATE Training		-	Mr.J.C.Ramachandirran			
TWM	Tutor Ward Meeting		-	Chairman Tutor/Senior Tutor/All Tutors			
CCM	Class Committee Meeting			HOD/ All Subject handling Faculty members			
SCH/RCH	Subject counseling hour/ Remedial class hour			All subject handling faculty			
	ASSOCIATION / PLACEMENT		-	Dr.T.Ramraj / Dr.M.Karthiga / Ms.R.Akshaya			
	CGC			Dr.M.Karthiga			

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COIMBATORE INSTITUTE OF TECHNOLOGY, COIMBATORE - 14
ACADEMIC YEAR: 2022 – 2023 ODD SEMESTER JULY 2022 – NOV 2022
TIMETABLE

DATE: 22.7.2022
VERSION: 4

Course: B.Tech		Branch: Information Technology				Semester: III			
Section/Hall: N/A		Year: July 2022 to November 2022				Lecture Hall: IT 201			
Senior Tutor: Dr.M.Rajalakshmi		Tutors: Dr.N.Geetha, Mr.C.Murale							
Hour	1	2	3	4	5	6	7	8	
Day	09:00 A.M 09:55 A.M	09:55 A.M- 10.50 A.M	11:05 A.M- 12.00 P.M	12.00 P.M- 12:55 P.M	02:00 P.M- 02:55 P.M	02:55 P.M- 03:50 P.M	03:50 P.M- 04:45 P.M	4:45 P.M- 5.40 P.M	
Mon	19CIM31		19CI31		← 19CIL34/19CIL35 →			-	
Tue	19IT31		19CI31		19CI32	19HOC31		-	
Wed	19CI33		19IT31	19CI32	TWM/CCM	← Association →		-	
Thu	19IT31	19HSS01	← Placement Training →		← 19CIL34/19CIL35 →			-	
Fri	19CIM31		19CI32	19CI33	19HSS01	← 19CIOC01 →		-	

Subject Code	Subject Name	Credit	Faculty
19CIM31	Linear Algebra, Complex Variables and Transforms	4	Dr.S.Murali
19CI31	Data Structures and Algorithms – I	4	Dr.M.Rajalakshmi
19CI32	Digital Design	3	Dr.N.Geetha
19IT31	Discrete Mathematics and Automata Theory	3	Dr.S.Dayana Mary
19CI33	Object Oriented Programming and Java	3	Dr.M.Sangeetha
19HSS01	Science of Creativity and Professional Ethics	1	Dr.K.Malarvizhi
19CIL34	Digital Design Laboratory(IT 214)	1.5	Ms.S.Rajasree, Ms.S.Devi
19CIL35	Object Oriented Programming Laboratory (L103)	1.5	Dr.M.Sangeetha, Dr.N.Geetha
19HOC31	Communication Skills for Engineers I	1	Dr.E.Justin Ruben
19CIOC01	C++ Programming (IT443)	1	Dr.N.Geetha, Mr.C.Murale , Ms.G.Thilagavathi
Other Course	TWM/CCM	-	Dr.M.Rajalakshmi, Dr.N.Geetha, Mr.C.Murale
	Placement Training (IT443)	-	Dr.M.Rajalakshmi, Dr.N.Geetha, Mr.C.Murale

COIMBATORE INSTITUTE OF TECHNOLOGY. COIMBATORE 641 014**Government Aided Autonomous Institution****III SEMESTER B.Tech. INFORMATION TECHNOLOGY 2022-23**

S.No	Roll No	Name	S.No	Roll No	Name
1	7176 21 07 001	AGALYA R	31	7176 21 07 032	PRANAV SRINIVASAN
2	7176 21 07 002	AKSHAI RISHI S	32	7176 21 07 033	PRATHEESHA B
3	7176 21 07 003	ARUNESHWAR T K	33	7176 21 07 034	PREM KUMAR D
4	7176 21 07 004	ASHWIN L	34	7176 21 07 035	PREM V
5	7176 21 07 005	CHARAN R	35	7176 21 07 036	PRITHIVIRAJ.S
6	7176 21 07 006	DARIUS JONATHAN.d	36	7176 21 07 037	PUNNIYAMOORTHY M
7	7176 21 07 007	DEVADHARANI K	37	7176 21 07 038	RAMANATHAN M
8	7176 21 07 008	DEVADHARSHINI S	38	7176 21 07 039	RAMESH V
9	7176 21 07 009	FATHIMA AFRA S	39	7176 21 07 040	REJITH P
10	7176 21 07 010	GAYATHRI M	40	7176 21 07 041	ROHIT.A.KA
11	7176 21 07 011	GOBIHARAN J	41	7176 21 07 042	ROHITHA DEVI M
12	7176 21 07 012	HARI.A	42	7176 21 07 043	SAIFULLA R
13	7176 21 07 013	HARISH R	43	7176 21 07 044	SANJANA.V.
14	7176 21 07 014	HARITHA N R	44	7176 21 07 045	SAMYUKTHA N
15	7176 21 07 015	IRFAAN FAREED A	45	7176 21 07 046	SELVAYAZHINI M
16	7176 21 07 016	JANANI K	46	7176 21 07 047	SIRANJITH R
17	7176 21 07 017	JAYASURYA C	47	7176 21 07 048	SOWMITHRA R
18	7176 21 07 018	KAASVE S	48	7176 21 07 049	SRENEDHI.T
19	7176 21 07 019	KARANYA S	49	7176 21 07 050	SUDHARSAN S
20	7176 21 07 020	KARTHIKEYA VISHWA. N	50	7176 21 07 051	SUGANTH S
21	7176 21 07 021	KATHIRAVAN M	51	7176 21 07 052	SUWETHA.S.
22	7176 21 07 023	KENNADY M	52	7176 21 07 053	THIRISA P
23	7176 21 07 024	MATHUSHRI P	53	7176 21 07 054	THIRISHAA S V
24	7176 21 07 025	MEGANATHAN R	54	7176 21 07 055	THRISHA S
25	7176 21 07 026	MITHULA V M	55	7176 21 07 056	VASUNDRA K
26	7176 21 07 027	MOHAMED FAIZ M	56	7176 21 07 057	VIGNESHWARI G
27	7176 21 07 028	NITHIS ARUN T	57	7176 21 07 058	VISHNU PRASANTH. B.S
28	7176 21 07 029	NITHISH.R.G.	58	7176 21 07 059	YESWANATH R
29	7176 21 07 030	NITHYASREE P	59	7176 21 07 060	SHAH SUMAYUN BASHIR
30	7176 21 07 031	PRADEEP C			

COIMBATORE INSTITUTE OF TECHNOLOGY

(Government Aided Autonomous Institution Affiliated to Anna University, Chennai)

COIMBATORE - 641 014, TAMILNADU, INDIA

DIAMOND JUBILEE

(1956 - 2016)



DEPARTMENT OF COMPUTING
M.Sc. (DECISION AND COMPUTING SCIENCES)
Curriculum and Syllabi
Under Choice Based Credit System

(For the students admitted during 2017 - 2018 and onwards)

17MDC86 - ENTREPRENEURSHIP DEVELOPMENT

PRE-REQUISITES

Consent of the Instructor

ASSESSMENT : PRACTICAL

COURSE OUTCOME

- *Have the ability to discern distinct entrepreneurial traits*
- *Know the parameters to assess opportunities and constraints for new business ideas*
- *Understand the systematic process to select and screen a business idea*
- *Design strategies for successful implementation of ideas*
- *Evaluate the procedures and prepare a business plan*

UNIT I : Introduction to Entrepreneurship : Meaning, Theories, Categories, Significance. Entrepreneurial India: Evolution over centuries, Current trends. Myths about Entrepreneurship: Myths about passion, surety in riches, financial backing, influential people. Entrepreneur: Definition, Characteristics, Types, Challenges. Entrepreneurship Ecosystem: Context, Positive influencers, Players.-Case Study (6)

UNIT II : Intrapreneurship : Meaning, Need, Difference from entrepreneurship, Hurdles, Successful practices. Entrepreneurial Motivation: Key drivers, Mindset, Theories. Entrepreneurial Competencies: Identification & development of competencies, Role of EDPs-Case Study. (6)

UNIT III : Business Idea Generation : Approach, Techniques. Opportunity Analysis: Opportunity sighting, evaluation, Mapping ideas to opportunities. Business Modelling: Meaning, Functions, Types, Design & interpretation. Business Planning: Types, Myths, Sections, Documentation Tips. Business Plan Review: Business Model review, Financial review, Technical feasibility Review-Case Study. (6)

UNIT IV : Business Creation : Entity types, Steps in setting up a unit, Compliances & approvals. Evolution of a start-up: Key factors, Evolution modelling, Dimensions of maturity. Innovation for Business Growth: Concept, Process, Challenges. Business Sickness: Symptoms, Causes, Remedial measures & rehabilitation-Case Study. (6)

UNIT V : Women Entrepreneurship : Need, Development, Benefits, Challenges. Rural Entrepreneurship: Opportunities, Benefits, Role of Government. Social Entrepreneurship: Need, Types & characteristics of social enterprise, Measures of success, Benefits, Sociopreneur-Case Study. (6)

Total : 30

REFERENCE BOOKS :

1. *Raj Shankar, "Entrepreneurship: Theory & Practice", 1st Edition, Tata McGraw Hill, New Delhi, 2009.*
2. *Robert D. Hisrich, Michael P. Peters Dean A. Shepherd, "Entrepreneurship", 9th Edition, McGraw Hill/Irwin, 2012.*
3. *Rajeev Roy, "Entrepreneurship", 2nd Edition, Oxford University Press, New Delhi, 2011.*
4. *S. S. Khanka, Entrepreneurial Development, S.Chand and Co, New Delhi, 2012.*

17MDC96 - BUSINESS ETHICS

PRE-REQUISITES

Consent of the Instructor

ASSESSMENT : PRACTICAL

COURSE OUTCOME

- *Understand the inhereent conflicts in being ethical*
- *Analyse the ethical dilemmas in common business situations and the ways to solve them.*
- *Broaden the understanding of the way to act rightly in different business situations*
- *Learn to commit to mutual ethical treatment of the human person and do ethical business and ethical leadership.*
- *Make ethical decisions effectivelu and decisively based on ethical thinking and decision making frameworks.*

UNIT I

Introduction to Ethics - Moral Development in human theories and Concepts- Definitions of ethics- theories of Ethics and Ethics Projects -Case Study. (6)

UNIT II

Decision Making Model : Ethics as Making Decisions and Choices - Decision Making frameworks-Conflicts and Ethical Dilemmas - Moral and Ethical dilemmas-Case Study. (6)

UNIT III

Ethics and Business : A sense of Business Ethics - Ethics and International Business - Ethics issues beyond borders- Ethics and economics: Ethical concerns of economic individuals and societies. (6)

UNIT IV

Business Disciplines : Ethics of Marketing and advertising - Ethics of Finance and accounting- Ethics of HR and related aspects-Production and related issues -Ethics of IT. (6)

UNIT V

Ethics and Environment : Environmental Ethics awareness-Business and Social Responsibility-Business response to environmental problems and ethics-International standards-Global Impact. (6)

Total : 30

REFERENCE BOOKS

1. *William. H. Shaw, "Business Ethics", Cengage Advantage Books, 2013.*
2. *Stephen. M. Byars and Kurt Stanberry, "Business Ethices", 2018.*
3. *Das Gupta, Anandha, "Business Ethics", Springer, 2014.*
4. *Denis Collins, "Business Ethics", Second Edition, Sage Publications, 2018*

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(1956 - 2016)



Department of Computing

M.Sc. (Software Systems)

Curriculum and Syllabi

Under Choice Based Credit System

(For the students admitted during 2015 - 2016 and onwards)

15MSS92 - PROFESSIONAL ETHICS

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3	0	0	3

PRE-REQUISITES

Consent of the Instructor

ASSESSMENT : THEORY

COURSE OUTCOME

- *Given a problem scenario, analyse the situation and suggest solutions based on human values like honesty, courage, empathy, character and morality*
- *When presented with a moral dilemma, critically analyse and present solutions using theories of moral autonomy and theories of right action.*
- *Examine a given scenario in the professional life of an Engineer and present a critical note on possible behaviours using professional codes of conduct of Engineers*
- *Engage in informed critical reflection on the nature of professionalism and ethical challenges inherent in professionalism in matters relating to collegiality, loyalty, occupational crime, confidentiality and conflicts of interest*
- *When presented with case on moral issues relating to weapons development or such matters of conflicting interest, critical evaluation of the case using the various professional codes of conduct and present ethical solutions*

HUMAN VALUES

Morals, Values and Ethics - Integrity - Work Ethic - Honesty - Courage -Empathy - Self-Confidence - Character **(8)**

ENGINEERING ETHICS

Senses of 'Engineering Ethics' - variety of moral issues - types of inquiry - moral dilemmas - moral autonomy - Kohlberg's theory - Gilligan's theory - Consensus and Controversy - Models of Professional Roles - Theories about Right Action - Self-interest - Customs and Religion - uses of ethical theories. Valuing Time - Co-operation - Commitment **(10)**

ENGINEERING AS SOCIAL EXPERIMENTATION

Engineering as experimentation - engineers as responsible experimenters - codes of ethics - a balanced outlook on law - the challenger case study **(8)**

SAFETY, RESPONSIBILITIES AND RIGHTS

Safety and risk - assessment of safety and risk - risk benefit analysis and reducing risk - Collegiality and Loyalty - Respect for Authority - Collective Bargaining - Confidentiality - Conflicts of Interest - Occupational Crime - Professional Rights - Employee Rights - IPR - Discrimination **(10)**

Coimbatore Institute of Technology, COIMBATORE-14

CGC-CLAP CELL OF CIT

Course on AI for Assistive Technology

Duration : 5 Saturdays from 13.08.2022

Report

PRE-REQUISITE WEBINAR- DEEP LEARNING COURSE

A webinar on “**Deep Learning**” was held on 13.08.2022 between 11.30 AM to 02.00 PM through the Google Meet Platform. To deliver the valuable content on Deep Learning, we had **Mr.Vishnu Karthiklu, ML Lead, QPiCloud, Bangalore as Resource Person**. The speaker started the session by providing insight on the basics of Machine Learning and its types like Regression, Classification etc. He also explained how the Residual Gradient Descent optimization algorithm is used to train machine learning models. The key topics discussed by him were Deep Learning, Convolutional Neural Networks and its layers. Furthermore, the students learned about various architectures of CNN like AlexNet, GoogleNet, VGGNet etc. The webinar had 57 registrations and 45 participants from various departments of the college.

Google Meet Link: <https://meet.google.com/bxd-xekk-hsz?pli=1>

Feedback Form Link:

<https://docs.google.com/forms/d/1sUTdivAcATFCCSAU4n2Np0xweUXudUYu1h7nfcBTq48/edit?ts=630308e2>