Manav Rachna International Institute of Research and Studies
Departmental Academic Audit
Centre for Distance and Online Education

Academic Year 2021-22

Action Planned/Initiated Report

Recommendations / Suggestions (AY2021-22)	Action Planned/Initiated
Post graduate Projects should be Research based and Industry based on latest technologies. PG students should publish at least one research article in UGC Care/Referred Journal/International Conference.	The curriculum of M.Com, MCA and MBA has been revised and one research based subject has been added in 3rd / 4th Semester. The revised curriculum booklet will be sent to 42nd Academic Council for approval after taking recommendations from 1st BOS and BOF of CDOE. One mentor will be assigned to group of students who guides and helps to publish a research paper in UGC Care/ Referred Journal/International Conference.
UG/ PG must be mapped with NEP-2020.	The curriculum booklets have been revised on the basis of NEP-2020 for 7 UG and PG Programmes, so that in future student can also go for any time entry and exit option. Further, CDOE is in the process of creating ABCs Accounts of students where all the earned credits of the students will be uploaded after completion of each semester.

Director-CDOE, MRIIRS

To provide the facilities to the students at one platform, there should be UMS Portal (University Management System).	From session January 2023, one dedicated platform will be assigned to CDOE, for both students and faculty members for admissions, content uploading, live lectures, examination and all other activities related to Online Education. The outsourcing of new complete platform is in process.

Shareeta 1/11/2022

(Name and Signatures)

Deputy Director- CDOE

01 NOV 2022

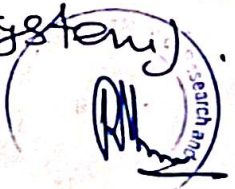(Name and Signatures)

Director- CDOE

Director-CDOE, MRIIRS

Manav Rachna International Institute of Research and Studies
Departmental Academic and Administrative Audit
Academic Year 2021-22

MANAV RACHNA
Vidyanatariksha

AUDIT REPORT

Department: Centre for Distance and Online Education

Date of Visit: 27th September, 2022

SWOC Analysis of the Department	
Strengths	1. Launch of 7 online Programmes: BCA, MCA, BBA, MBA, BCom, Mcom & BA(Hons.) Eco. 2. Robust Learning Management System 3. Successful Conduction of Exams on Mettl Platform 4. Quality based Synchronous and Asynchronous Lectures 5. Recruitment of Experienced Faculty Members
Weaknesses	1. Requirement of Full Fledged ERP System having End to End journey of Students at CDOE.
Opportunities	1. Wide Learning through SWAYAM, UDEMY and LinkedIn Platforms 2. No Constraint of Distance 3. Students get opportunities to work on live projects in reputed IT industries during their internship in Online Mode. 4. Learning from International Professors & Industry Experts
Challenges	1. To promote students to participate in various Hackathons/Startups. 2. To get funded projects, patents and Consultancies. 3. To enhance the research publication in collaboration with renowned professors at International level.
Recommendations / Suggestions	

* Post graduate projects should be research based and Industry based on latest technologies.
- UG/PG must be mapped with the NEP-2020.
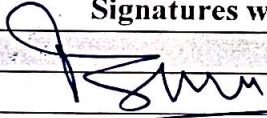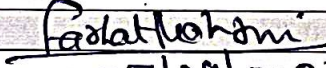PG students have published at least one research article in UGC Care/Refereed Journal or in International Conference.

To provide the facilities to the students at one platform, there should be UMS portal (University Management System).
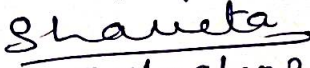
Director-CDOE, MRIIRS

Names and Signatures of Audit team members	
Name, Designation & Affiliation	**Signatures with Date**
Prof. Nanhay Singh NSUT East Campus Delhi — 110031	[signature] 27-09-2022
Prof. FARHAT MOHSIN (PROFESSOR) FMS, MRIIRS, FARIDABAD	Farhat Mohsin 27/09/2022
Dr Shaweta Bhatia Deputy Director - CDOE	Shaweta 27/09/2022

Director-CDOE, MRIIRS

Manav Rachna International Institute of Research and Studies
Departmental Academic Audit
Academic Year 2021-22.

CIQA/AAA/2021-22

Name of the Department: Centre for Distance and Online Education
Year of Establishment: November 2021(1st session starts from January 2022)

Details of programs offered:

Name of Program	Duration of Program	Academic Year 2021-22		Total Enrolment	
		Sanctioned Intake	Present Enrolment	Sanctioned Intake	Present Enrolment
UG	BBA	No Limit	3	No Limit	3
	BCOM		3		3
	BCA		16		16
	BA(Hons) Economics		3		3
PG	MBA	360	23	360	23
	MCOM	No Limit	1	No Limit	1
	MCA	180	7	180	7

Faculty profile:

	Cadre wise		Qualification wise				Total
fessor	Associate Professor	Assistant Professor	Ph.D	Pursuing Ph.D	PG	Others	
3	2	1	5	1	0	0	6

Percentage of Faculty members with PhD: 75%
Faculty cadre ratio: 1:15
Number of Academic support staff (Technical & Administrative):03

Director-CDOE, MRIIRS

Criterion I – Curricular Aspects

1.1 Curriculum Design & Development:

1.1.1 Programs / Courses for which revision was carried out during the AY: Not Applicable

1.1.2 Programs / Courses focussed on employability/ entrepreneurship/ skill development: NIL

1.2 Academic Flexibility:

1.2.1 New Programs / Courses introduced during the AY: 2022

Name of Program / Course	Program / Course Code	Dates of introduction
BBA/Business Mathematics	OBBA-DS-101	
BBA/Business Organization and Management	OBBA-DS-102	
BBA/Computer Fundamentals BBA/Computer Fundamentals Practical	OBBA-DS-103	
BBA/ Accounting for Managers	OBBA-DS-105	
BBA/Business Economics-1	OBBA-DS-106	
BBA/Environmental Studies and Waste Management	OBT-UC-161	
MBA/Economics for Decision makers	OMBA-DS-101	
MBA/ Strategic Human Resource Management	OMBA-DS-102	
MBA/Corporate Finance Essentials	OMBA-DS-103	
MBA/Quantitative Techniques for Management	OMBA-DS-104	**Jan-22**
BCA/Elements of Mathematics	OBCA-DS-101	
BCA/ Hardware Interfaces	OBCA-DS-102	
BCA/ Introduction to IT & Programming in C	OBCA-DS-103	
BCA/ Database Management System	OBCA-DS-104	
BCA/ C Programming Lab	OBCA-DS-153	
BCA/ Database Management System Lab	OBCA-DS-154	
BCA/BCOM/BBA/BA(Hons) Economics- Environmental Studies & Waste Management	OBT-UC-161	
MCA/Linear Algebra and Statistical Techniques	OMCA-DS-101	
MCA/Data Structures	OMCA-DS-102	
MCA/Object Oriented Programming in Java	OMCA-DS-103	
MCA/Data Structures Lab	OMCA-DS-152	

Director-CDOE, MRIIRS

Course	Code	
MCA/Object Oriented Programming in Java Lab	OMCA-DS-153	
MCA/Python Programming Lab	OMCA-DS-156	
MCA/Computer Graphics	OMCA-DS-104	
MCA/Computer Graphics Lab	OMCA-DS-154	
MCA/Web Applications development using PHP MCA/Web Applications development using PHP Lab	OMCA-DS-105	
MCA/Elements of Mathematics	OBCA-DS-101	
BCOM/Business Organisation and Management	OBCOM-DS-101	
BCOM/Finacial accounting	OBCOM-DS-102	
BCOM/Managerial Economics-1	OBCOM-DS-103	
BCOM/Business laws	OBCOM-DS-104	
BCOM/Indian Economic and Social Environment	OBCOM-DS-105	
MCOM/ Economics for Managerial Decision-1	OMCOM-DS-101	
MCOM/Quantitave Techniques	OMCOM-DS-102	
MCOM/Accounting Theory and Practices	OMCOM-DS-103	Jan-22
MCOM/Marketing Management	OMCOM-DS-104	
MCOM/Organisation Theory and Behavior	OMCOM-DS-105	
BA(Hons)Economics/Basic Economic Principles	OECO-DS-101	
BA(Hons)Economics/Basic Macro Economics	OECO-DS-102	
BA(Hons)Economics/Basic Statistics	OECO-DS-103	
BA(Hons)Economics/Environmental studies and waste management	OECO-DS-104	

1.2.2   Electives / Interdisciplinary Courses introduced during the AY:

Name of Course	Course Code	Departments involved
Environmental Studies & Waste Management	OBT-UC-161	Applied Sciences, MRU

1.3 **Curriculum Enrichment: Specializations have been added with the collaboration of Knowledge Partners such as Microsoft, RASCI, TalentAge, BFSI & AHPI**

1.3.1 Value-added courses offered during the AY: NIL

1.3.2 Field Projects / Internships under taken during the AY: Not Applicable

1.4 Feedback System: Yes

1.4.1 Whether structured feedback received from all the stakeholders.

Director-CDOE, MRIIRS

Students	Teachers	Employers	Alumni
Yes	Yes	Not Applicable	Not Applicable

Provide URL for feedback collection & analysis and action taken reports
https://manavrachnaonline.com/student-feedback-form/

Criterion II – Teaching – Learning and Evaluation

2.1 Student Enrolment and Profile:
2.1. 1 Demand Ratio during the AY:

Name of the Program	Number of seats available / sanctioned	Number of eligible applications received	Number of students admitted / enrolled
MCA	180	08	07
MBA	360	24	23

2.2 Catering to Student Diversity:
2.2.1 Student - Full time teacher ratio for the current AY:

Number of UG students enrolled	Number of PG students enrolled	Number of faculty members teaching only UG program	Number of faculty members teaching only PG program	Number of faculty members teaching both UG & PG
25	31	03	03	06

List of Guest / Visiting Faculty members: 22 (1 faculty per subject)

Student-Teacher Ratio (as per enrolled students): UG: 15:1   PG:15:1
Student-Teacher Ratio (as per student intake):   UG: 20:1   PG:15:1

2.3 Teaching – Learning Process:

Number of teachers on roll	Number of teachers using ICT (LMS, e-Resources)	ICT tools & resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources & techniques used
4	4	4	04	N/A	SWAYAM METTL UDEMY TURNITIN MERIT HUB

Director-CDOE, MRIIRS

2.3.2 Student mentoring system (in max. 500 words):

Mentoring of students play a vital role for graduates and postgraduates. Students and their mentors share responsibility for ensuring productive and rewarding mentoring relationships. Both faculty and students have a crucial role in success of mentoring. For students, a mentor is someone who serves as a friend, philosopher and guide throughout their institutional training.

They provide both professional and personal advice in transitioning into and out of their stay in university and also throughout. They give constructive feedback on writing, teaching and other elements of career design. They can serve to help students to balance their professional goals with their personal lives or give emotional encouragement during the challenging times. Students are free to discuss their professional or personal problems with the mentor that help them in their all-round development.

The vertical process has been established as a Mentoring System. Each faculty will be the mentor of a group of 20 to 25 students. Students will have mentors from the "Centre for Distance and Online Education".

Responsibilities: The mentor will perform the following functions. The list of course cannot be exclusive.
A mentor can always do more for the benefit of the students.
1. Interaction with the students 24/7 to solve all the queries of students.
2. Continuously monitor, counsel, guide and motivate the students in all academic matters.
3. Emotional Connect with the students.
4. Advise students in their career development/professional guidance.
6. Keep contact with the students even after their graduation.
7. Intimate Deputy Director/Director and suggest if any administrative action is called for.
8. Maintain a detail progressive record of the student
9. Maintain a brief but clear record of all discussions with students.

Roles and Responsibilities of Vertical Mentor:
- To Keep complete database of the Student/Mentee (Name of Parent, Address, contact detail of student and parents, Email of student and parents and update the same as and when there is any change.
- Form regular group mail and be in touch with the students/mentees regularly.
- Have regular meeting with students/mentees and try to resolve their problems and grievances at their level or bring the same to the notice of higher authority.
- Keep the updated record of students/mentees in respect of attendance, sessional tests any specific achievements etc.
- Will act as interface between students and Deputy Director/Director for any matter.

The Mentor Mentee List is attached as "ANNEXURE-A"

Number of total students enrolled for the Academic Year	Number of Full Time Teachers	Mentor – Mentee Ratio
56	5	12:1

2.4 Teacher Profile and Quality:
2.4.1 Number of full-time teachers appointed during the AY:

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current AY	No. of faculty with PhD
7	6	1	6	5

2.4.2 Honours and recognitions received by teachers during the AY: NIL

2.5 Student Performance and Learning Outcomes:
2.5.1 Program Outcomes, Program Specific Outcomes and Course Outcomes defined for all programs displayed on website of the institution (provide the web-link) Yes

Director-CDOE, MRIIRS

https://manavrachnaonline.com/master-of-commerce-m-com/
https://manavrachnaonline.com/master-in-business-administration/
https://manavrachnaonline.com/master-of-computer-application/
https://manavrachnaonline.com/bachelor-of-business-administration-bba/
https://manavrachnaonline.com/b-a-hons-economics-online-degree/
https://manavrachnaonline.com/bachelor-of-commerce/
https://manavrachnaonline.com/bachelor-of-computer-applications-bca/

2.5.2 Pass percentage of final year students: Not Applicable

Criterion III – Research, Innovations and Extension

3.1 Promotion of Research & Facilities:
3.1.1 Teachers awarded National / International fellowship for advanced studies / research during the AY: Nil

3.1.2 Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the AY:Nil

3.2 Resource Mobilization for Research:
3.2.1 Research funds sanctioned and received from various agencies, industry and other organizations: Nil

3.3 Innovation Ecosystem
3.3.1 Workshops / Seminars / Conference Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the AY:

Title of Workshop / Seminar / Conference	Date(s) From...To
Webinar on Innovation and Incubation Ecosystem	24th January 2022
Expert Talk on Idea to Start-up	25th January 2022
Webinar on Career Opportunities and Placement	25th January 2022
Webinar on Success by design, not by chance	25th January 2022
Training on how to access Digital Library	27th January 2022

Director-CDOE, MRIIRS

Webinar on Application of Input- Output Framework in Economic Policy	27th January 2022
Application of Input- Output Framework in Economic Policy	28th January 2022
Webinar on Rethinking Energy Poverty and Best Practices by Prof. Benjanimin Sovocool	28th January 2022
Webinar on Opportunities and challenges for career making by Dr. Monika Goyal, Dean FCBS, MRIIRS	31st January 2022
Session on Intellectual Property Rights by Dr. Savita Sachdeva, ED & Dean-Research, MRIIRS	1st February 2022
Session on Road to Wellness by Dr. Gurjeet, DSW, MRIIRS	2nd February 2022
Training session on LMS and Github by Dr. Umesh Dutta, Chief Technical Manager, CDOE, MRIIRS	3rd February 2022
Session on thinking design and innovation by Dr. Pardeep Kumar, PVC, MRIIRS	3rd February 2022
Session by Programme and Course Coordinators By respective Course Faculties	4th February 2022
Webinar on Microsoft Azure Security (AZ-500) by Mr Bhavesh Goswami	27th April 2022
Training on Mettl by Mr. Sohail Imran, Manager IT, CDOE	18th May 2022
Merit Hub Training Session by Mr. Sohail Imran, Manager IT, CDOE	19th May 2022
Webinar on Bringing Data science closer to economics by Prof.(Dr) Manoj Kumar Pandey	14th May 2022
Mettl Training Session by Mr. Sohail Imran, Manager IT, CDOE	28th June 2022

Provide Link to the Activity report on the website:
https://manavrachnaonline.com/orientation2021-2022-%e2%80%8b/

3.3.2 Awards for Innovation won by Institution / Teachers / Research Scholars / Students during the AY: Not Applicable

3.3.3 No. of start-ups incubated on campus: Not Applicable

3.4 Research Publications and Awards:
3.4.1 Ph. Ds awarded during the AY: Not Appliable

3.4.2 Research Publications in the Journals notified on UGC website during the AY:
(This covers 3.4.5 and 3.4.6)
Average Impact Factor: 3.2
h-Index of the Institutional Publications during the year (based on Scopus/ Web of Science): 4

International Journals:

Director-CDOE, MRSBS

me the hor s	Title of the paper	Name of the Journal	Year of publication	ISSN number, Volume, Issue, Page(s)	Citation Index	Institutional affiliation as in the publication
r. vet a tia, r. idul atra	Detection of Parkinson's disease in Alzheimer's Patients utilizing Brain Imaging	International Information and Engineering Technology Association	2022	0765-0019		Manav Rachna International Institute of Research and Studies
r. vet a atia, r. idul atra	Automatic Video Censoring System using Deep Learning	International Journal of Electrical and Computer Engineering	2022	2088-8708,12,6	0.833	Manav Rachna International Institute of Research and Studies
r. vet a atia	An Efficient Content-Based E-Learning Recommender System using K- L Divergence and Sentiment Score	Design Engineering	2021	Vol.2021, issue 05		Manav Rachna International Institute of Research and Studies
r. vet a atia	Experimental Based Comparative Study on Open-Source Network Intrusion Detection System	International Journal of Technology and Secured Transactions	2022			Manav Rachna International Institute of Research and Studies
r. iya ij	Paradigm Shift in Consumer	International	2022	978-1-77491-340-6.	Manav Rachna Internatio	Manav Rachna International

Director-CDOE, MRIIRS

	Shopping Behavior During the COVID-19 Pandemic				nal Institute of Research and Studies	al Institute of Research and Studies
a ra l f ev ra	Digital Sensory Marketing factors affecting consumers' intentions to continue online organic purchase during COVID in India	FIIB REVIEW SAGE PUBLICATIO NS	June 29, 2022 https://doi.org/10.1177/23197145221 105674	ISSN: 2319-7145 Online ISSN: 2455-2658	H 5	FMS PG MRIIS India
r ma ora	Trivia's Social Media Effectivenes s	EEMCS Emerald Emerging Market Case Studies	March 2022	ISSN: 204 5-0621		Sr Consultant and Trainer PRISM World Pvt Ltd

National Journals:

ame of the Author/s	Title of the paper	Name of the Journal	Year of publication	ISSN number, Volume, Issue, Page(s)	Citation Index	Institutional affiliation as in the publication
r. Priya Vij	Consumers' Choices and Competitive Strategies in Organised and Unorganised Retail Stores	National	2021	978-93-92927-01-0	Manav Rachna International Institute of Research and Studies	Manav Rachna International Institute of Research and Studies

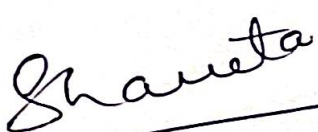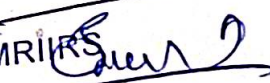3.4.3a Books and Chapters in edited Volumes / Books published, per Teacher during the AY:

Director-CDOE, MRIIRS

r	Title of the book/chapters published	National / international	Year of publication	ISBN/ISSN number	Affiliating Institute at the time of publication	Name of the publisher
	BlockChain for Business: How it works and Created Value"	International	2021			Wiley
	Ethereum	International	2021			Wiley

b Papers in National / International Conference Proceedings per Teacher during the AY:

r	Title of the paper	Name of the conference	National / international	Year of publication	ISBN/ISSN number of proceeding	Affiliating Institute at the time of publication
a	Course Recommender System Architecture with Statement Score	International Conference on Innovating Computing and Communication	International	2021		Manav Rachna International Institute of Research and Studies
la a	AI Architectural Model with Super Consciousness	RSRI Conference on Theoretical and Applied Science	International	2022		Manav Rachna International Institute of Research and Studies
eta ia	Current State of Engineering Education in India: Student Teacher Scenario in Online Mode	FICR-TEAS-2021	International	2021		Manav Rachna International Institute of Research and Studies
eta itia	A Step Towards Improvement in Classical Honeypot Security System	International Conference on Machine Learning, Big Data, Cloud and Parallel Computing, 2022(IEEE)	International	2022		Manav Rachna International Institute of Research and Studies
Jr. dula	Optimizing Greedy	IEEE 3rd International	International	2021	978-0-7381-4627-0	Manav Rachna

Director-CDOE, MRIIRS

tra	Algorithm to Balance the Server Load in Cloud Simulated Environment	Conference on Inventive Research in Computing Applications				International Institute of Research and Studies
Dr. idula atra	Influence of Artificial Intelligence and Machine Learning Algorithms on Human Psychology and Decision Making	International Conference on Futuristic Trends for Sustainable Ecosystem (FTSE-2021)	International	2021		Manav Rachna International Institute of Research and Studies
Dr. ridula Batra	Reasons to Secure India against Cyber Attacks	International Conference on Futuristic Trends for Sustainable Ecosystem (FTSE-2021)	International	2021		Manav Rachna International Institute of Research and Studies
Dr. ridula Batra	Technological Reforms of Global Projects using Artificial Intelligence	CIEMA-22	International	2022		Manav Rachna International Institute of Research and Studies
. Priya Vij	Analysis of Fraud in the Indian Banking System: A Study of Yes Bank and Canara Bank	XVII International Conference on "Management Strategies: Retrieval, Resilience & Remodelling in a Post COVID World,	International	2021	ISBN 978-93-88465-81-6	Manav Rachna International Institute of Research and Studies

3.4.4 Patents published / awarded:

Name of the Patenter	Patent Number & Status (Filed/Published/awarded)	Title of the Patent	Year of Award of Patent

Director-CDOE, MRIIRS

haveta Bhatia, Mridula Batra	202111043595 (Published)	An Agricultural System for Early Blight Detection with IoT Connectivity	2021
Mridula Batra	202111058539 (Published)	Machine Learning Algorithm Aided Solar Irradiance Prediction	2021

.4.5 Faculty participation in Seminars / Conferences and Symposia during the AY:

No. of Faculty	International level	National level	State level	Local level
ided Seminars / kshops				
nted papers				
esource Persons	7	1		

3.5 Consultancy:

3.5.1 Revenue generated from Consultancy:Nil

e of the sultant(s) irtment	Name of Consultancy project	Consulting / Sponsoring Agency	Year	Revenue generated (amount in rupees)

3.5.2 Revenue generated from Corporate Training by the institution:Nil

3.6 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the AY: Nil

3.7 Collaborations

3.7.1 Number of Collaborative activities for Research, Faculty exchange, Student exchange during the AY:

Nature of the Activity	Name of the collaborating agency with contact details	Name of the Participant(s)	Source of financial support	Year of collaboration	Duration
Research Proposal	DST	Dr. Shaveta Bhatia, Dr. Mridula Batra	DST (Proposal Submitted)		

3.7.2 Linkages with institutions / industries for internship, on-the-job training, project work, sharing of research facilities etc. during the AY: Nil

3.7.3 MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the AY:

Organization/	Year of	Purpose and	Number of students	Duration

Director-CDOE, MRI(RS)

Institute with which MoU is signed	signing MoU	Activities	/teachers participated under MoUs	
Microsoft	Jan 2022	Academics	200	1 Year
RASCI	Jan 2022	Academics	50	1 Year
Talentedge	Jan 2022	Academics and Admissions	50	1 Year
BFSI	Jan 2022	Academics	50	1 Year
Upgrad	Jan 2022	Admissions	200	1 Year

Criterion IV – Infrastructure and Learning Resources

4.1 Physical Facilities:
Details of augmentation in infrastructure facilities during the AY: 2022
Well Established Studio for recording of Video Lectures
Dedicated Lab with 7 dedicated systems for 7 programmes
4.2 Library as a Learning Resource
4.2.1 Library Services:
- My Account
- Insta-Alert Service for Library Transactions
- 24 X 7 Remote Access of Resources
- 24 X 7 Single Window Access for all the Library Resources
- Web based Online Interactive Catalog

Online Subscriptions

S. No	Name of the Database	Primary Subjects Covered
1	EBSCO- Academic eBooks Collection	All Subjects
2	EBSCO- Art and Architecture Complete	Art and Architecture
3	BSCO-Business Source Elite	Management & Commerce
4	EBSCO-Dentistry & Oral Sciences Source-	Dentistry
5	EBSCO-IEEE Explore Digital Library	Civil Engineering; Architecture
6	ASCE (American Society of Civil Engineering)	Civil Engineering, Architecture
7	ASME(American Society of Mechanical Engineering)	Mechanical, Automobile & Aeronautical Engineering
8	J-Gate (JET)- Engineering & Technology)	Engineering & Technology

Director-CDOE, MRIIRS

9	J-Gate (JMS)-Management & Social Sciences)	Management, Commerce & Social Sciences
10	DELNET-(Developing Library Network)	All subjects : e-books & e-journals
11	The American Library/ e-Library USA	Humanities & Social Sciences
12	NPTEL	Engineering & Management
13	National Digital Library	All Subjects
14	Swayam prabha access through DTH / internet in audio visual room	Engineering & Management
15	Single Window Search	Federated Search Tool
16	Turn-it-In	Plagiarism Checking Software
17	SPSS	Statistical Analysis Tool For Research Scholar
18	Map Access- Remote Login	Remote Log for Accessing Digital Resources Outside the Campus

Library Collection:

1. E-Books : 2,30,817
2. E-Journals : 63,462
3. Online Databases : 19
4. E-Readers(Kindles) : 17

4.2.2 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala), CEC (Under Graduate), SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc.

Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e-content	Link of the relevant document
Dr Shaveta Bhatia	1. DBMS(BCA) 2. DBMS(Lab) 3. Python Programming(MCA)	SWAYAM	JAN-2022	1. https://online-degree.swayam2.ac.in/mri22_07_d01_s 1_cc04/preview 2. https://online-degree.swayam2.ac.in/mri22_07_d01_s 1_cc06/preview

Director-CDOE, MRIIRS

Dr Mridula Batra	1. Hardware Interface 2. Computer Graphics 3. Computer Graphics Lab	SWAYAM	JAN-2022	1. https://online-degree.swayam2.ac.in/mri22_07_d01_s1_cc02/preview 2. https://online-degree.swayam2.ac.in/mri22_07_d03_s1_el07/preview 3. https://online-degree.swayam2.ac.in/mri22_07_d03_s1_el09/preview
Dr Arti Saxena	Elements of Mathematics (BCA and MCA)	SWAYAM	JAN-2022	https://online-degree.swayam2.ac.in/mri22_07_d01_s1_cc01/preview
Ms Manisha Vashisht	Introduction to IT and Programming in C(Theory and Lab)-BCA	SWAYAM	JAN-2022	1. https://online-degree.swayam2.ac.in/mri22_07_d01_s1_cc03/preview 2. https://online-degree.swayam2.ac.in/mri22_07_d01_s1_cc05/preview
Dr Vinayak Vandan Pathak/Dr Meena Kapahi	Environmental Studies and Waste Management	SWAYAM	JAN-2022	https://online-degree.swayam2.ac.in/mri22_07_d01_s1_cc07/preview
Dr Sonal Pathak	Linear Algebra and Statistical Techniques	SWAYAM	JAN-2022	https://online-degree.swayam2.ac.in/mri22_07_d03_s1_cc01/preview
Dr Kamlesh Sharma	Data Structures (Theory and Lab)	SWAYAM	JAN-2022	1. https://online-degree.swayam2.ac.in/mri22_07_d03_s1_cc02/preview 2. https://online-degree.swayam2.ac.in/mri22_07_d03_s1_cc04/preview
Ms Priyanka Sharma	Object Oriented Programming in Java (Theory and Lab)	SWAYAM	JAN-2022	https://online-degree.swayam2.ac.in/mri22_07_d03_s1_cc03/preview
Dr Kavita Arora	1. Web Application using PHP 2. Web Application Lab	SWAYAM	JAN-2022	(1) https://online-degree.swayam2.ac.in/mri22_07_d03_s1_el08/preview (2) https://online-degree.swayam2.ac.in/mri22_07_d03_s1_el10/preview
Ms Arkaja Garg	Business	SWAYAM	JAN-2022	https://online-

Director-CDOE, MRIIRS

Name	Course	Platform	Date	Link
	Organisation and Management-BCOM			degree.swayam2.ac.in/mri22_07_d06_s1_cc01/preview
Ms Ratika Aggarwal	Financial Accounting-BCOM	SWAYAM	JAN-2022	https://online-degree.swayam2.ac.in/mri22_07_d06_s1_cc02/preview
Dr Preeti Chabra	1. Managerial Economics-BCOM 2. Economics for Managerial Decision-1-MCOM	SWAYAM	JAN-2022	1 https://online-degree.swayam2.ac.in/mri22_07_d06_s1_cc03/preview 2 https://online-degree.swayam2.ac.in/mri22_07_d07_s1_cc01/preview
Mr Amit Kumar	1.Business Laws-BCOM 2. Accounting for Managers-BBA	SWAYAM	JAN-2022	1. https://online-degree.swayam2.ac.in/mri22_07_d06_s1_cc04/preview 2. https://online-degree.swayam2.ac.in/mri22_07_d05_s1_cc05/preview
Dr Manmeet Bali	Indian Economic and Social Environment-BCOM	SWAYAM	JAN-2022	https://online-degree.swayam2.ac.in/mri22_07_d06_s1_cc05/preview
Mr Arun Vashisth	Quantitative Techniques-MCOM	SWAYAM	JAN-2022	https://online-degree.swayam2.ac.in/mri22_07_d07_s1_cc02/preview
Dr Pooja Kapoor/ Dr Shweta Goel	Accounting Theory and Practices-MCOM	SWAYAM	JAN-2022	https://online-degree.swayam2.ac.in/mri22_07_d07_s1_cc03/preview
Dr Nidhi Tondon	Marketing Management-MCOM	SWAYAM	JAN-2022	https://online-degree.swayam2.ac.in/mri22_07_d07_s1_cc04/preview
Dr Priyanka Shrivastava	Organisation Theory and Behavior-MCOM	SWAYAM	JAN-2022	https://online-degree.swayam2.ac.in/mri22_07_d07_s1_cc05/preview
Dr Arvind Dalal	Business Mathematics-BBA	SWAYAM	JAN-2022	https://online-degree.swayam2.ac.in/mri22_07_d05_s1_cc01/preview
Dr Pragati Chauhan/Dr	Business Organisation	SWAYAM	JAN-2022	https://online-degree.swayam2.ac.in/mri22_07_d05_s

Director-CDOE, MRIIRS

Yogita/ Dr Subodh	and Management-BBA			1_cc02/preview
Ms Shilpa Bhatia	Computer Fundamentals (Theory and Lab)-BBA	SWAYAM	JAN-2022	https://online-degree.swayam2.ac.in/mri22_07_d05_s1_cc03/preview (Theory) https://online-degree.swayam2.ac.in/mri22_07_d05_s1_cc04/preview (Lab)
Dr Vineet Sikka	Business Economics-1-BBA	SWAYAM	JAN-2022	https://online-degree.swayam2.ac.in/mri22_07_d05_s1_cc05/preview
Dr Farhat Mohsin	Economics for decision makers-MBA	SWAYAM	JAN-2022	https://online-degree.swayam2.ac.in/mri22_07_d04_s1_cc01/preview
Dr Anindita Chatterjee	Strategic Human Resource Management-MBA	SWAYAM	JAN-2022	https://online-degree.swayam2.ac.in/mri22_07_d04_s1_cc02/preview
Dr Bhavesh Prakash Joshi	Corporate Finance Essentials-MBA	SWAYAM	JAN-2022	https://online-degree.swayam2.ac.in/mri22_07_d04_s1_cc03/preview
Ms Savita Saini	Quantitative techniques for Management-MBA	SWAYAM	JAN-2022	https://online-degree.swayam2.ac.in/mri22_07_d04_s1_cc04/preview
Dr Preeti Singh/ Dr Anandajit Goswami	Basic Economic Principles-BA(Hons) Economics	SWAYAM	JAN-2022	https://online-degree.swayam2.ac.in/mri22_07_d02_s1_cc01/preview
Dr Priya Vij	Basic Micro Economics-BA(Hons) Economics	SWAYAM	JAN-2022	https://online-degree.swayam2.ac.in/mri22_07_d02_s1_cc02/preview
Ms Manisha ayyar	Basic Macro Economics-BA(Hons) Economics	SWAYAM	JAN-2022	https://online-degree.swayam2.ac.in/mri22_07_d02_s1_cc03/preview
Bhawna/ Ms vita Saini	Basic Statistics-BA(Hons)	SWAYAM	JAN-2022	https://online-degree.swayam2.ac.in/mri22_07_d02_s1_cc04/preview

Director-CDOE, MRIIRS

	Economics				.

.3 IT Infrastructure:

TB of Vimeo space for storage of Video Lectures
Manavrachnaonline.com Gmail Liscencing
Mettl Platform for Examination
MeritHub for Virtual Classes
Chatbot for Website
Hostringer

Criterion V – Student Support and Progression

5.1 Student Support:
5.1.1 Scholarships and Financial Support during the AY:

	Name of the scheme	Number of students benefited	Amount in Rupees
Financial support from institution	Merit Based Scholarship	54	611708
Financial support from other Sources			
a) National (Govt. scheme)		Nil	
b) International scheme			

5.1.2 Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counseling and Mentoring etc. during the AY:

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved with contact details
Bridge Programme	28th Feb,2022	2	CDOE,MRIIRS

5.1.3 Students benefited by guidance for competitive examinations and career counselling offered by the institution during the AY: Nil

Name of the scheme	Number of benefited students by Guidance for Competitive exam	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed

5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the AY:

Director-CDOE, MRIIRS

DOE shall provide dedicated Student Facilitation centre and Help Desk to resolve the grievance and queries f students.

tudent Facilitation Centre:

o. of grievances appealed	No. of grievances redressed	Average time for grievance redressal in number of days
5	15	24 Hrs

DOE shall have dedicated Student Facilitation Centre to provide a single window support in order to cilitate and resolve the queries of students in their academic and non-academic issues. The aim of centre is address the queries of students so that students can get the resolution of their problem under one roof. tudent will be able to reach out to SFC via email: sfconline@manavrachna.edu.in

lelp Desk :

DOE shall have dedicated help desk to assist the learners in the on boarding process on the Learning 1anagement System. Students will be able to reach out to the help desk either via email or live chat. The lelp Desk facility shall be taken care by IT Team of Centre for Distance and Online Education.

2 Student Progression:

lumber of students in passing out batch at the time of admission (including Lateral entry):
lot Applicable

lumber of students graduating in minimum stipulated period of time: **Not Applicable**

lumber of students in passing out batch with B+ grade and above: **Not Applicable**

2.1 Details of campus placement during the AY: **Not Applicable**

2.2 Student progression to higher education in percentage during the AY: **Not Applicable**

2.3 Students qualifying in state/ national/ international level examinations during the year g:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services:

2.4 Batch-wise Result Analysis for the current AY:

Items	No. of Students selected/ qualifying	Registration /roll number for the exam
Civil Services	1(Defence)	794770
State Government Services		
Any Other	1(Working in Civil Court)	

gram and ch	Odd Semester		
	Course Code	Pass % of students in the Course	% of students with B+ grade and above in the Course
	OBCOM-DS-101	100%	34%

Director-CDOE, MRIIRS

OBCOM-DS-102	100%	34%
OBCOM-DS-103	100%	0%
OBCOM-DS-104	100%	34%
OBCOM-DS-105	100%	34%
OBT-UC-161	100%	0%
OECO-DS-101	100%	100%
OECO-DS-102	100%	100%
OECO-DS-103	100%	67%
OECO-DS-104	100%	0%
OBT-UC-161	100%	67%
OBCA-DS-101	100%	67%
OBCA-DS-102	100%	68%
OBCA-DS-103	100%	68%
OBCA-DS-104	100%	57%
OBCA-DS-153	100%	100%
OBCA-DS-154	100%	100%
OBT-UC-161	100%	51%
OBBA-DS-101	100%	34%
OBBA-DS-102	100%	0%
OBBA-DS-103	100%	67%
OBBA-DS-153	100%	100%
OBBA-DS-105	100%	67%
OBBA-DS-106	100%	67%
OBT-UC-161	100%	34%
Batch-wise Average pass %		100%
OMBA-DS-101	100%	82%
OMBA-DS-102	100%	92%
OMBA-DS-103	100%	83%
OMBA-DS-104	100%	51%
OMCA-DS-101	100%	100%
OMCA-DS-102	100%	85%
OMCA-DS-103	100%	72%
OMCA-DS-152	100%	100%
OMCA-DS-153	100%	100%
OMCA-DS-156	100%	100%
OMCA-DS-104	100%	100%
OMCA-DS-105	100%	100%
OMCA-DS-154	100%	100%
OMCA-DS-155	100%	100%
OMCA-DS-002	100%	50%
OMCOM-DS-101	100%	100%
OMCOM-DS-102	100%	0%
OMCOM-DS-103	100%	0%
OMCOM-DS-104	100%	0%
OMCOM-DS-105	100%	100%
	100%	100%

On the left margin: "G First Semester", "First Semester", "First Semester"

	Batch-wise Average pass %	100%

5.3 Student Participation and Activities:

5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national /international level (award for a team event should be counted as one) during the AY: NIL

5.4 Alumni Engagement: Not Applicable

Criterion VI – Governance, Leadership and Management

6.1 Institutional Vision and Leadership:

Mention two practices of decentralization and participative management during the AY:

1. Faculty members as members of:
   - Centre for Quality Assurance(CIQA)
   - Grievance Committee
   - Department Academic Committee
   - Feedback Committee
2. Faculty members are members of Academic Council
3. Interdepartmental members of RAC

Mention extent of implementation of EMS:

- Students Registration
- Attendance
- Assignments Uploading
- Course Contents Uploading
- Internal Examination evaluation
- Grievance Redressal
- Feedback Analysis
- Exam Conduction on Mettl
- Virtual Classrooms on Merit Hub
- Plagairism Checker
- Access to library Resources
- SWAYAM Platform for EContent Uploading

6.2 Strategy Development and Deployment:

Quality improvement strategies adopted by the department for each of the following:

❖ **Curriculum Development:**

✓ Online courses study schemes have been designed for MCA, BCA ,MBA,BBA,MCom,Bcom & BA(Hons.) Eco implemented from session Jan 2022 and onwards

✓ New Specialisations have been added in MCA,BCA,MBA & BBA programmes to provide

~~Director~~-CDOE, MRJIRS

enrich basket to the students with Industry exposure.

Teaching and Learning:

- Successful online classes have been conducted using Merit-Hub for complete Jan session.
- International & Industry Talks have been organised for the students to aware them about the market and new emerging areas.
- Regular Training sessions have been provided to students on "How to access SWAYAM Portal"
- Regular Training sessions have been provided to students on "How to use online Library Resources".
- Regular Training sessions have been provided to students on Merit Hub & Mettl Platform to conduct Virtual Classes and Exams respectively.
- Mentors are assigned to the students where mentor guides and supports the mentees (students) in all their academic and personal issues.
- 24/7 Student Fcailitation Centre provided to students to resolve their queries.

Examination and Evaluation:

- Settings of question papers to achieve course outcomes as per blooms taxonomy.
- To maintain the sanctity of the examination and reduction in the use of unfair means, Examinations have been conducted on METTL Platform
- To maintain the transparency of evaluation, open house has been conducted using Ms Teams to show the answer sheet to the students.

Research and Development:

- Faculty members at CDOE are regularly invoved in publishing papers in reputed Journals abd Conferences.
- Faculty members have publish their patents and in regular process of applying research projects in DST and other Govt. Agencies.

ICT:

- Recording of Video Lectures is a continuous process. Proper well established studio is available at CDOE for content creation and editing.
  - Regular Classes conducted on Merit Hub
  - Exams conducted on METTL Platform.
  - Storage of video Lectures at Vimeo

Industry Interaction / Collaboration:

New Specialisations has been added in the curriculum with the collaboration of Industry:

BCA & MCA
   Big Data & Data Science with Microsoft
   Artificial Intelligence and Machine Learning with Microsoft
   Cyber Security with Microsoft

MBA
   Healthcare with Association of Healthcare Providers(AHPI),India

Director-CDOE, MRIIRS

BBA

Digital Marketing with Talentedge
Banking and Finance with Banking Financial Services and Insurance(BFSI),India
Retail Management with Retailers Association Skill Council Of India RASCI

❖ **Admission of Students:**
✓ Admission Percentage Gradually increases.
- Jan Session 2022: 56
- July Session 2022: 208 till Date

6.3 Faculty Empowerment Strategies:

6.3.1 Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the AY:

Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
	Nil		
Nil		Nil	Nil

6.3.2 Number of professional development / administrative training programs organized for teaching and non-teaching staff during the AY:

Title of the professional development Programme organized for teaching staff	Title of the administrative training Programme organized for non-teaching staff	Dates and Duration (from-to)	No of participants
MRIIRS - Training on content availability and student enrolment by IC&SR ,Chhenai	Both Teaching & Non Teaching Staff	2 Feb,2022	50
Training Session on University Admin & Program Manager	Both Teaching & Non Teaching Staff	4th Dec,2022	30

6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programs during the AY:Nil

Name of teachers who attended	Title of the professional development Programme	Date From	Date To	Duration

Thrust Areas of the Department:
➤ Cloud Computing
➤ Image Processing

Director-CDOE, MRIIRS

- Cyber Security
- Artificial Intelligence
- Natural Language Processing
- Machine Learning
- Content based Learning
- Data Mining and warehousing
- Brain Computer Interface
- Neural Networks
- Software Defined Networking
- Big Data Analytics
- Internet of Things
- Android Application Development
- Computer Networks
- Web Mining
- Software Testing
- Macro Economics
- Microeconomics
- Human Resource Management
- Healthcare
- Digital Marketing
- Retail Management
- Banking and Finance
- Entrepreneurship and Small Business
- Waste Management
- Aviation Management
- Logistic and Supply Chain
- Marketing Management

Best Practices followed in the Department:

Multidisciplinary Approach: CDOE provides multidisciplinary approach for the students to shape their career inside and outside their domain of education and to meet the evolving needs of the society. The commitment of multidisciplinary education is to broaden the participation of student in higher education and leads to a more diverse community. In multidisciplinary approach, students are inspired to select diverged courses from different disciplines to expand their knowledge, discover themselves through creative thinking and learn the skills of collaboration.

Quality

Manav Rachna Online provides quality programmes to those students who are not able to draw benefits from conventional system of education. It provides multidisciplinary approach for students to shape their career inside and outside of their domain of education and to meet the evolving needs of the society. Manav Rachna Online follows Choice Based Credit System (CBCS) with a basket of good number of Elective Courses including Discipline Electives, Generic Electives, Open Electives and Industrial Training have been embedded in the curricula for all the programmes. The course work is supplemented by invited lectures from eminent persons from academics and experts from industries. Soft skills' training is provided to make students recruitment ready for job opportunities in IT industries and other enterprises. Manav Rachna Online has collaboration with industries like Microsoft, AHPI, RASCI, Talentedge and BFSI which will help students for their placements.

Director-CDOE, MRIIRS

Emotional Connect with the students

CDOE has mentor-mentee approach where mentors connected 24/7 with the students. Apart from above, Student facilitation Centre facility is provided to students to send their queries (both academic and administrative) and turnaround time for resolving those queries is 24 hours. The ladder of CDOE is as follows:

Mentor->Assistant Director->Deputy Director-Director

SWOC Analysis of the Department:

❖ **Strengths:**
1. Launch of 7 online Programmes: BCA, MCA, BBA, MBA, BCom, Mcom & BA(Hons.) Eco.
2. Robust Learning Management System
3. Successful Conduction of Exams on Mettl Platform
4. Quality based Synchronous and Asynchronous Lectures
5. Recruitment of Experienced Faculty Members
6.

❖ **Weaknesses:**
1. Requirement of Full Fledged ERP System having End to End journey of Students at CDOE.

❖ **Opportunities:**
1. Wide Learning through SWAYAM, UDEMY and LinkedIn Platforms
2. No Constraint of Distance
3. Students get opportunities to work on live projects in reputed IT industries during their internship in Online Mode.
4. Learning from International Professors & Industry Experts

❖ **Challenges:**
1. To promote students to participate in various Hackathons/Startups.
2. To get funded projects, patents and Consultancies.
3. To enhance the research publication in collaboration with renowned professors at International level.

Future Plans of the Department:

❖ **Short Term Plans:**
1. To form own Board of Studies and Board of Faculty
2. To introduce new specializations in the Department.
3. Establishment of IT Department with robust ERP System.
4. To introduce Certification Courses(3 to 4 months).
5. New Programmes to be offered:

   BA(Hons.) Political Science
   BA(Liberal Arts)
   BA(Hons.) English
   MA English
   BA Media and Communication
   MA Media and Communication

Director-CDOE, MRIIRS

MA Public Policy and Public Administration
MA Economics
1 Year Certification in French
1 Year Certification in German

❖ **Long Term Plans:**
1. To create dedicated Departments:
    o   Department of Management
    o   Department of Commerce
    o   Department of Computer Applications
    o   Department of Applied Sciences
    o   Department of Media & Humanities

7. To establish Digital Learning Environment at University level.
8. To transform the department and its students into multidisciplinary stream at International/National level.

Director-CDOE, MRIIRS