Annual Quality Assurance Report (AQAR)
For the Session 2017-18

Internal Quality Assurance Cell

MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY)
(Deemed University established under Section 3 of the UGC Act, 1956)
(NAAC Accredited Grade 'A' University)

The Annual Quality Assurance Report (AQAR) of the IQAC
July 1, 2017 to June 30, 2018

Part – A

AQAR for the year

2017 -18

1. Details of the Institution

1.1 Name of the Institution

Maharishi Markandeshwar (Deemed To Be University)

1.2 Address Line 1

Ambala-Yamunanagar Highway

Address Line 2

Mullana - Ambala

City/Town

Ambala

State

Haryana

Pin Code

133 207

Institution e-mail address

Info@mmumullana.org

Contact Nos.

01731-304441

Name of the Head of the Institution:

Prof. Victor Gambhir

Tel. No. with STD Code:

01731-304524

Mobile:

80599 30111

Name of the IQAC Co-ordinator:

Dr. Sumit Mittal

Mobile:

80599 30412

IQAC e-mail address:

registrarmmu@mmumullana.org

1.3 **NAAC Track ID** *(For ex. MHCOGN 18879)*

HRUNGN11435

OR

1.4 **NAAC Executive Committee No. & Date:**
(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no. is available in the right corner-bottom
of your institution's Accreditation Certificate)

EC/71/A&A/4.1

1.5 Website address:

www.mmumullana.org

Web-link of the AQAR:

http://www.mmumullana.org/IQAC/AQAR2017-18.pdf

For ex. http://www.ladykeanecollege.edu.in/AQAR2012-13.doc

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	A	3.06	2015	Nov. 15, 2020
2	2nd Cycle				
3	3rd Cycle				
4	4th Cycle				

1.7 Date of Establishment of IQAC: DD/MM/YYYY   12th June, 2007

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((*for example AQAR 2010-11submitted to NAAC on 12-10-2011)*

   i. AQAR 2015-16 submitted to NAAC on 05.08.2017
   ii. AQAR 2016-17 submitted to NAAC on 02.08.2018

1.9 Institutional Status

University   State ☐ Central ☐ Deemed ☑ Private ☐

Affiliated College   Yes ☐   No ☑

Constituent College   Yes ☐   No ☑

Autonomous college of UGC   Yes ☐   No ☑

Regulatory Agency approved Institution   Yes ☑   No ☐

(eg. AICTE, BCI, MCI, PCI, INC, ACI)

Type of Institution   Co-education ☑   Men ☐   Women ☐

                       Urban ☐   Rural ☑   Tribal ☐

Financial Status   Grant-in-aid ☐   UGC 2(f) ☐   UGC 12B ☐

                    Grant-in-aid + Self Financing ☐   Totally Self-financing ☑

1.10 Type of Faculty/Programme

Arts ☑   Science ☑   Commerce ☑   Law ☑   PEI (Phys Edu) ☐

TEI (Edu) ☐   Engineering ☑   Health Science ☑   Management ☑

Others   (Specify)   .

1.11 Name of the Affiliating University *(for the Colleges)*   N.A

1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc.

Autonomy by State/Central Govt. / University   N.A

University with Potential for Excellence	N.A	UGC-CPE	N.A
DST Star Scheme	N.A	UGC-CE	N.A
UGC-Special Assistance Programme	N.A	DST-FIST	N.A
UGC-Innovative PG programmes	N.A	Any other (*Specify*)	N.A
UGC-COP Programmes	N.A		

2. IQAC Composition and Activities

2.1 No. of Teachers   03

2.2 No. of Administrative/Technical staff   02

2.3 No. of students   01

2.4 No. of Management representatives   01

2.5 No. of Alumni   01

2. 6 No. of any other stakeholder   01

   community representatives

2.7 No. of Employers/ Industrialists   01

2.8 No. of other External Experts   01

2.9 Total No. of members   11

2.10 No. of IQAC meetings held   01

2.11 No. of meetings with various stakeholders: Faculty   01

Non-Teaching Staff Students   Alumni   Others   01

2.12 Has IQAC received any funding from UGC during the year?   Yes ☐   No

If yes, mention the amount ☐   ☑

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. [—] International [—] National [—] State [—] Institution Level [—]

(ii) Themes _____

2.14 Significant Activities and contributions made by IQAC

- Through the regular IQAC audits, the department strives hard to improve the quality of teaching and learning as well as motivation for research activities among staff and students.
- Regular review of
  o Mentoring System
  o Feedback System
  o API
  o Quality Research
  o Course File
  o Mentor's File
  o Analysis of Semester/Annual Result with HOD

It helps teacher to implement certain innovative teaching and learning methods.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
Establishment of Center of Excellence	The objective of centre of excellence in the university is to establish strategic partnership with the industries to promote and develop the research capabilities and the professional activities in the emerging areas of engineering and technology. **Google Learning Centre of Excellence**

B.Tech with Software development	B.Tech with Software development is one of the unique course that is in the pipeline for the next year.
Establishment of Center of Excellence	T-Series Stage Works Academy

Attach the Academic Calendar of the year as Annexure-II.

2.15 Whether the AQAR was placed in statutory body   Yes √   No ☐

Management √   Syndicate ☐   Any other body ☐

Provide the details of the action taken

The Annual Quality Assurance Report has been approved by Board of Management of the University chaired by the Vice-Chancellor.

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	21	01	22	NIL
PG	57	01	58	NIL
UG	32	04	36	NIL
PG Diploma	05	NIL	05	NIL
Advanced Diploma	NIL	NIL	NIL	NIL
Diploma	09	NIL	09	NIL
Certificate	28	NIL	28	NIL
Others	05	NIL	05	NIL
Total	157	06	163	

Interdisciplinary	12	--	--	--
Innovative	05	--	--	--

1.2 (i) Flexibility of the Curriculum: **CBCS/Core/Elective option** / Open options
    (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	68
Trimester	-
Annual	71
Six month course	24 (Certificate Course)

1.3 Feedback from stakeholders*   Alumni √   Parents √   Employers √   Students √
    (On all aspects

Mode of feedback   :   Online √   Manual √   Co-operating schools (for PEI) --

Please provide an analysis of the feedback in the Annexure

- **Alumni Feedback:** Alumni always praise us for the great teachers, technical labs and infrastructure, as it has contributed to their knowledge and careers.

- **Parents Feedback:** Regularly getting reports from the college about the performance of our ward. The faculty of the college is very competitive and helpful. Also, the facilities such as mess, hostel, transport, library, sports canteen and medical are very good.

- **Employer Feedback:** Our recruiter provide us the true feedback of our quality, not only for the fresher but also of the students, who passed out & working with them for long.

- **Overall Students Feedback:** 90% of the students reported that the University is very good in terms of Hostel, Library, Campus Life, environment, Staff, Facilities like BANK, Post Office, markets etc.

- **Student Satisfaction with Teaching:** 90% of the students reported that the university is excellent in teaching as the methodology adopted for teaching are excellent like through PPTs, webinars, NPTL Videos, seminars etc.

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

The syllabus and scheme of all technical courses has been revised on as per model scheme by AICTE for batch 2016-2020 and 2017-2021.

As per feedback from industry, the industrial project as internship has been incorporated in the B. Tech and M.Sc. (Chemistry) curriculum.

Courses on Emerging technologies (SAP course, Python course, CCNA course) were introduced as part of curriculum.

Approval of new syllabi of BCA 1st, BCA 3rd, B.Sc. (CS/IT), MCA 1st, MCA 2nd and MCA 3rd semester as per the industry requirements.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

T-Series Centre of Excellence in Performing Arts to identify, nurture and create a pool of immensely skillful and passionate professionals who can match national and global demands in the fields of Acting, Modeling, Singing, Dancing and Instrumental Music.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

1106

Total	Asst. Professors	Associate professor	Professors	Others
1106	379	139	180	408

2.2 No. of permanent faculty with Ph.D. :   179

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate professor		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
91	0	15	0	24	0	60	0	190	0

2.4 No. of Guest and Visiting faculty and Temporary faculty

| 3 | 5 | NIL |

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	109	205	180
Presented papers	126	102	21
Resource Persons	14	26	13

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- Computer assisted Learning
- Webinars
- Microteaching
- Mock drill
- Brainstorming, Online MCQ based test.
- Teaching by simulators, modular based teaching, mock-viva, video based teaching.
- Introduction of online courses
- Interactive live sessions with industry experts.
- Field Visits
- Experimental learning
- Infant oral health education cell
- Establishment of one to one dental trauma management in dept
- Hand-on workshops
- Model demonstrations
- E-learning resources, use of audio-visual aids
- Group discussions, on-patient case discussing and learning by teaching
- Problem Based Learning (PBL)
- Teaching and Learning through Seminars, PPT's, group Discussions, Role Play, Case Studies and by giving Assignments. Various PDP classes, Intra-Moot time-to-time to enhance the learning skills of students.
- Use of MOOC / SWAYAM Courses.
- Use of NPTEL Videos or IES notes.
- Automation of students computer lab work record using Repository.
- Smart class room facility was added to promote ICT based Teaching and Learning.
- SOPs related to academics implementation.

2.7 Total No. of actual teaching days during this academic year

215 max.

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

Double Evaluation (Internal and External) for Practical Examination

2.9 No. of faculty members involved in curriculum
   Restructuring/revision/syllabus development
   as member of Board of Study/Faculty/Curriculum Development workshop

70	80	41

2.10 Average percentage of attendance of students

77%

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Pass%
B. Tech	62.95
B. Sc. (Biotech)	60
B. Sc. (Medical / Non-Medical)	69
B. Sc. (Agri Bus. Mgt.)	54.90
M. Sc. (Biotech)	92.86
M. Sc. (Microbiology)	79.31
M. Sc. (Pharmaceutical Chem.)	100
M. Sc. (Physics)	90
M. Sc. (Chemistry)	75
M. Sc. (Math)	76.92
M. Tech.	60
M.M. Institute of Computer Technology & Business Mgt	
BCA	62.50
MCA	83
M.M. Institute of Mgt.	
B. Com. (Hons.)	72.97
BBA	86.67
MBA	82

M.M. Institute of Computer Technology & Business Mgt. (Hotel Mgt.)	
B. Sc. (HCM)	41.67
BHM&CT	65.22
Department of Law	
B.A.LL.B.	79.49
M.M. College of Nursing	
B.Sc (Nursing)	95.58
P.B.B.Sc (Nursing)	100
M.Sc (Nursing)	92.86
M.M. College of Pharmacy	
B.Pharmacy	90
M.Pharmacy	100
M.M. College of Physiotherapy	
BPT	76
MPT	100
M.M. College of Dental Sciences & Research	
BDS	80.68
MDS	100
M.M. College of Medical Sciences & Research	
MBBS	76.11
MD	95.12
MS	93.75
P.G.DIPLOMA	100

M.Sc (Medical)	64.29
B.Sc (MLT)	93.62
B.Sc (OTT)	94.12
M. Sc. (MLT)	100
DMLT	100

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

- Monthly reviews and academic audit helps to monitor the process.
- It helps teacher to implement certain innovative teaching and learning methods.
- It helps teacher to update their files regularly and ensures proper documentation
- Regular IQAC feedback enables the teachers to improve their performance and it serves as a tool for performance appraisal
- Critical analysis and comparing the progress in teaching and learning processes
- By acting as a rectifying mechanism
- Documentation of the various programmes / activities leading to quality improvement
- The outcomes of various proposals are recorded for improving the system of the quality of education.
- It also decides on the measures to be taken to improve and sustain the quality of higher education.
- Academic calendar of the college is planned by IQAC at the beginning of the academic year, which is communicated to all the faculty. Regular monitoring of the same is conducted to ensure 100 % compliance of the planned activities.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	18
UGC – Faculty Improvement Programme	53
HRD programmes	21
Orientation programmes	33
Faculty exchange programme	07
Staff training conducted by the university	153
Staff training conducted by other institutions	32
Summer / Winter schools, Workshops, etc.	41
Others	54

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	345	NIL	271	NIL
Technical Staff	912	NIL	425	NIL

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- Plan invited talks/guest lectures to improve knowledge regarding research publication and reference management.
- The faculty members are encouraged to conduct research in their research areas leading to research publications in reputed national/ international Journals.
- Point of Care Quality Improvement (POCQI) faculty development programme for quality improvement in research
- Jhpiego project
- Active departmental research committee
- Well-equipped central research lab
- Provision of inter-disciplinary research
- FDP organized by the faculties regarding the publication of research work in journals with the high impact factor, Index Copernicus, SCOPUS and PubMed indexed journals, and editing of the manuscripts.
- Visit of external eminent researchers allowed active exchange of ideas with University researchers, which proved beneficial.
- Initiatives are being made for designing new research promotion policy at university level.
- Department motivate and assist faculty members to acquire knowledge in latest domain / technology to promote research and consultancy.
- IQAC provides a platform to promote research through intramural and extramural funding.
- Organizing International conferences/Workshops/National Conferences, Expert /Guest Lectures.
- Industry Collaborated Training Programme, Industrial Visits.
- Encourage researcher/faculty members to write research proposal for research grant from government organization.

3.2　　　Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	02	04	01	----
Outlay in Rs. Lakhs	32.9	31.4	8.7	----

3.3　　　Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	----	----	-------	----
Outlay in Rs. Lakhs	----	----	--------	----

3.4　　　Details on research publications

	International	National	Others
Peer Review Journals	477	116	01
Non-Peer Review Journals	13	14	NIL
e-Journals	72	09	NIL
Conference proceedings	111	44	13

3.5 Details on Impact factor of publications:

Range | 0.361 - 13.926 |　Average | 1.72 |　h-index | 34 |　Nos. in SCOPUS | 158 |

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects (04)	02 projects (3 Years) 01 projects (2 Years) 01 projects (3 Years)	Bodhi Health Education Pvt. Ltd., Gurgaon DST DBT SERB	108.25 lakh	35.4 lakh
Minor Projects	NA	-	-	-

Interdisciplinary Projects	NA	-	-	-
Industry sponsored	NA	-	19,84,746	19,84,746
Projects sponsored by the University/ College	-	-	-	-
Students research projects *(other than compulsory by the University)*	3	IIT Rorkee GHG KHALSA College of Pharmacy, Ludhiana AICTE	3,29,300	3,29,300
Any other(Specify)	NA	-	-	-
Total		-	13139046	2314046

3.7 No. of books published   i) With ISBN No. [17]   Chapters in Edited Books [32]

ii) Without ISBN No. [NA]

3.8 No. of University Departments receiving funds from

UGC-SAP [NA]   CAS [NA]   DST-FIST [01]

DPE [NA]   DBT Scheme/funds [01]

3.9 For colleges

Autonomy [NA]   CPE [NA]   DBT Star Scheme [NA]

INSPIRE [NA]   CE [NA]   Any Other (specify) [NA]

3.10 Revenue generated through consultancy [14543222]

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	03	08	01	01	--
Sponsoring agencies	MMDU, DST	IANN, MMDU	MMDU	01	--

3.12 No. of faculty served as experts, chairpersons or resource persons

| 54 |

3.13 No. of collaborations

International | 06 | National | 29 | Any other | 03 |

3.14 No. of linkages created during this year | 19 |

3.15 Total budget for research for current year in lakhs:

From funding agency | - | From Management of University/College | 684 lacs |

Total | 684 lacs |

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	24
	Granted	02
International	Applied	NA
	Granted	NA
Commercialised	Applied	NA
	Granted	NA

3.17 No. of research awards/ recognitions received by faculty and research fellows
    Of the institute in the year

Total	International	National	State	University	Dist	College
23	6	17	--	--	--	--

3.18 No. of faculty from the Institution
    who are Ph. D. Guides
    and students registered under them

92

260

3.19 No. of Ph.D. awarded by faculty from the Institution   79

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF   02   SRF   03   Project Fellows   03   Any other   NA

3.21 No. of students Participated in NSS events:

University level   582   State level   10

National level   02   International level   --

3.22 No. of students participated in NCC events:

University level   NA   State level   NA

National level   NA   International level   NA

3.23 No. of Awards won in NSS:

University level   2   State level   --

National level   --   International level   --

3.24 No. of Awards won in NCC:

University level   NA   State level   NA

National level   NA   International level   NA

3.25 No. of Extension activities organized

University forum	26	College forum	78		
NCC	--	NSS	10	Any other	06

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Day celebrations, group projects, mass awareness programmes and competitions held at hospital and community.
- Home visits by the students to assess health status and provide need based care.
- Educate community people regarding the various health problems such as malaria, tuberculosis and diabetes mellitus.
- 7 day and night camp by NSS volunteers to serve the community people.
- Swach Bharat Abiyan/ cleanliness at Ambala cantt railway station, Ambala.
- Yoga day celebration.
- National Unity day celebration
- Legal Aid Programmes
- Students Visit to Observation Home & Old Age Home.
- Diwali Celebration with the children of weaker section
- Students participated in various drives initiated at university level.
- Cleaning campaign at Maharishi Markandeshwar Temple by MSc students.
- Independence Day was celebrated by organising Quiz competition, skit, and tree plantation.
- Sarojini's Naidu's Birthday- Slogan writing on Environment issues was organised.
- 17th Feb 2018- was celebrated as world sustainable energy day by making posters, quiz competition, best out of waste.
- International forest day was organised and tree plantation was arranged.
- World Environment day- Awareness campaign (Beat plastic pollution) and Tree plantation was organised.

Criterion – IV

1.   Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	133 Acre	1.5 Acre		134.5 Acre
Class rooms	168	-		168
Laboratories	170	112		282
Seminar Halls	47	--	--	47
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	--	--	--	--
Value of the equipment purchased during the year (Rs. in Lakhs)	--	--	--	--
Others	--	--	--	--

4.2 Computerization of administration and library

- The Library has computational facility with internet and DELNET Software also.
- DELLNET & Ebesco Software is available in Library
- Separate PCs with internet facility, printer and scanner are provided for administrative staff.
- Free access to 223 journals from OvidSP database
- Free access to 10000 + ebooks from INFLIBNET
- Online Academic Performance Index
- Online Student/Faculty Feedback System
- Online Performance Appraisal System
- Online Pre Placement Mock Test
- Computerized Issue & Return of Books

4.3 Library services: -

	Existing Up to 01.07.17		Newly added 01.07.17 to 30.06.18		Total Up to 30.06.18	
	No.	Value	No.	Value	No.	Value
Text Books	162747	1029.40	1640	8.72	164387	1038.12
Reference Books	7612	45.95	127	2.48	7739	48.43
e-Books	125000+	0.34	Renew		125000+	35400
Journals	660	92.24	(+6) Renew		666	128.08
e-Journals	9250	28.76	Renew		11859	35.05
Digital Database:- IEEE,ASME,ASCE, Ebsco-Dentstry (DOSS) Ovid–LWW Cluster Collection ,Inflibnet N- List K-Hub ,SCC online BCI Air Infotech Bentham Pharmacy , Up To data Anywhere	11		See e- journals			
CD & Video	6900	0.29	444	0.02	7344	0.31
Others (specify)	Delnet Animal Simulator, LMS Turnitin-UK	5.09	Delnet Animal Simulator, Turnitin-UK (Renew)		Delnet Animal Simulator, LMS Turnitin-UK (Plagiarism Software)	5.09

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart -ments	Others
Existing	1797	203	145 mbs	110	110	29	120	38
Added	335	-	500 mbs	-	-	11	-	14
Total	2132	203	645 mbs	110	110	40	120	52

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

- The Faculty also has internet access both LAN and WIFI and also are apprised with latest software's like SPSS, RMS.
- University is providing 24*7 internet facility to students and teachers. The teachers are trained under various university/sponsored programme for technology up gradation. Apart from that teachers are using AIR,SCC online Database, N-List, Inflibnet, PPT's and important videos for the students.
- SAP technology training to teachers and students.
- Java training for students.
- University has upgraded the existing infrastructure with latest computing facility.
- Training programme on ICT enabled teaching was arranged for the teachers.

4.6 Amount spent on maintenance in lakhs :

i) ICT

> --

ii) Campus Infrastructure and facilities

> --

iii) Equipments

>

iv) Others

> --

Total :

> 457094932

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- University has mentoring support system where a teacher Mentor is assigned to a group of 15-20 students. In this the mentee share their academic as well as personal problem with their mentor, they provide the counselling and guidance regarding carrier exploration and skill building.
- Anti – ragging squad and committee protects the student from ragging activities.
- Women empowerment cell protect the girls from gender sensitization issues and sexual harassments.
- Scholarship to the students from university as well as national supportive agencies.
- Training and placement cell keep liaison with potential industries to take care about the placement of students.
- Regular monitoring of student progression by class test and assignments
- Grievance and feedback mechanism for students.
- For enhancing awareness about Student Support Services, IQAC play very important role by ensuring that detailed information about these services must be available on university website as well as common places in the university.

- IQAC evaluates the grievance issues of the students and monitors the process how the issue was resolved.
- Orientation sessions were conducted by the Counsellor for the newly admitted students in all the Departments.
- Parent teacher meetings mentor programme.
- Support for slow learners.
- Awareness classes on different topics.
- Motivates students to participate in GATE exam, NET (UGC-CSIR), IAS etc.
- Identifies students in need of counselling; Encourages participation in Various club activities.
- Talented students are encouraged to take part in competitions organised in other Colleges/ Institutions.
- Conducted workshops.
- Advance learner are provided more competitive environment.
- Hostel Facility (Wifi in hostels)
- Sports Facilities

5.2 Efforts made by the institution for tracking the progression

- Feedback Performa from the students at the end of every session.
- Remedial classes are conducted to track the progress of the students. Timely retest to evaluate the progress.
- Regular monthly mentor classes are conducted to track the progress of the students. Counselling is also given to them to overcome their academic issues.
- Result analysis after semester end result and critical eye is also kept by mentors on their progression by mentor mentee meetings and follow-ups.
- Weak students are identified and are helped for better performance by providing makeup classes and remedial classes.
- One to One correspondence made at regular internals
- Regular case presentation, seminar presentation and sessional exams,
- Communication of academic performance and attendance with their parents
- The examination system has inbuilt mechanism for monitoring the progression.
- The University uses ERP as well as mentoring system for tracking progression of students.
- Effective mentoring system to track the progress along with separate Training and placement cell for career counselling of students.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
6295	1755	250	199

(b) No. of students outside the state

| 3722 |

(c) No. of international students

| 514 |

Men	No	%		Women	No	%
	4562	55%			3488	45%

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
5737	348	47	1423	--	**7555**	6955	426	-	866	02	**8249**

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- Mock test series to intern students B.Sc (N) 4th Year for preparation of placements interviews and competitive Examinations.
- MCQ's guidance is given to prepare the students for competency based jobs and higher studies
- Every week GPAT Classes were conducted for the final year students of Pharmacy where they interact with different faculties to discuss their problems and one on one discussion with professors and experts of the subjects.
- Adequate resources are available to support students for competitive examinations.
- Online assesment for special training classes for students.
- Conducted carrier oriented classes for UG and PG students such as GATE, NET, ARSB, DBT-JRF, ICMR JRF.
- Classes for Personality Development Classes, Aptitude Test, and Group Discussion etc. are conducted.

No. of students beneficiaries   184

5.5 No. of students qualified in these examinations

NET   NA   SET/SLET   NA   GATE   01   CAT   NA

IAS/IPS etc   NA   State PSC   NA   UPSC   NA   Others   NA

5.6 Details of student counselling and career guidance

- Mentors do the students counselling on regular basis during mentoring sessions.
- Every year expert teachers arranged for guiding the students about their career.
- Counselling and Placement cell for career counselling and guidance.
- Interviews arranged regularly with Industry for outgoing batches.
- Industrial Training Placement arranged in reputed Hotels.
- Telephone/ Skype Interviews.
- MOU with MM Continental Hotel for Industrial Training
- Lecture on bio-data/CV preparation

- Organised various lectures on personality development for building good communication skills, appropriate body language and right postures during interviews. Classes on spoken and written English language were also arranged especially for outgoing batch. Reasoning and aptitude tests were taken for final year students
- The Institutions in association with Training and Placement cell continuously conduct sessions/expert talk includingclasses foraptitude and soft-skills.
- An effective counselling cell is working for guidance, support to those students who have behavioural problems and who needs moral support.
- Class teachers and other teachers provide extra academic and emotional support for slow and advanced learners.

No. of students benefited

945

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited **(Enclosed the list of companies separately)**	Number of Students Participated	Number of Students Placed	Number of Students Placed
55	2593	255	20

5.8 Details of gender sensitization programmes

- On 20th September 2017, M.M. Institute of Nursing organized the lecture. The theme was "Gender Sensitization" against Sexual Harassment. M.M. Institute of Nursing also celebrated the International Women's Day under GSCASH on March 2017. The theme of the women's day was "Empowering Women changing world of work" and a women health check-up camp was organized in Village Budhiyon.
- Gender sensitization class is taken to all the batch of students as a regular activity and conducted on orientation programme
- Group project and extension activities are carried out regarding anti violence day against women in the month of anti violence month
- Women sensitization programme was organised by women cell M.M.C.D.S& R on "Sexual Harassment".
- 46 students participated in National Symposium on current social issues "Role of Youth"
- Students participated in panel discussion on "Anti Dowry" organized by Department of Humanity.
- Essay writing competition on women empowerment
- International Girl Child Day was celebration on 11th Oct. 2017. Various competitions were held to create awareness to save girl child.
- Panel discussion on the topic of "Dowry in 21st Century India: An Ugly Blot" was also organised by Women Cell of MM(DU).
- International Women's Day was celebration on 8th March, 2018 various events Paper Presentation, Slogan Writing, Mehndi & Poster making were organized on this special occasion. Ms. Madhulika (CJM-Cum-Secretary) DLSA, Ambala and Ms. Sharnjit Kaur (DC, Ambala) were invited to grace the occasion and they honoured the winners with prizes.
- One women conference conducted in 3rd Nov 2017 to sensitize female gender.

5.9 Students Activities

5.9.1   No. of students participated in Sports, Games and other events

State/ University level | 558 | National level | 99 | International level | -- |

No. of students participated in cultural events

State/ University level | 1074 | National level | 237 | International level | -- |

5.9.2   No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level | 77 | National level | 03 | International level | -- |

Cultural:

State/ University level | 78 | National level | 13 | International level | -- |

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	16	965000.00
Financial support from government	70	4315000.00
Financial support from other sources	17	-
Number of students who received International/ National recognitions	-	-

5.11   Student organised / initiatives

Fairs

State/ University level | 2 | National level | -- | International level | -- |

Exhibition

State/ University level | 4 | National level | -- | International level | -- |

5.12   No. of social initiatives undertaken by the students : 39

5.13 Major grievances of students (if any) redressed:

   i.   Non-working of centralised AC
   ii. Financial support for students

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision: To prepare students with an integrated and technology oriented education for a better career and to be worthy citizens of global society.

Mission: "To Develop better than the best professionals for the economic development of the country".

6.2 Does the Institution has a management Information System

The University also has Enterprise Resource Planning (ERP) system which enables planning and monitoring of attendance for all subjects, reports of which are generated online. This information can also be directly accessed by the students, faculty and the Principal of the respective department at all levels.

This ERP system consists of the following modules and reports:-

- Attendance: To monitor monthly student's attendance
- Performance: To monitor the practical progressive assessment of students
- Employee: Employee details and records
- Employee Leave: Application and approval of leaves for faculty members
- Academic Performance Index
- Feedback
- Biometric based attendance for staff and students.
- Result
  The University has a centralized ERP (Enterprise Resource Planning) department which handles all the MIS related activities.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

- Choice Based Credit System Implemented.
- Involvement of Industry Experts.
- Maintaining Industry Relevance.
- Persistent Academic Rigor.
- Feedback from alumni, students and teaching faculties.
- Feedback from the external experts from various government universities and reputed physiotherapy professionals.
- Revision of the curriculum, based on the current trends in the physiotherapy profession across the globe.

6.3.2 Teaching and Learning

- Innovative teaching learning activities, Modular based Teaching, Video based Teaching, e-Learning, Webinars, Quiz Competition and computer assisted learning are used for teaching and learning activity. Laboratories of medical college i.e. Biochemistry Lab, Anatomy Lab and Microbiology Lab are also used by nursing students.
- Learner Centric Teaching. Methodologies
- Live Demonstrations.
- Workshops
- Case Studies
- Hands On Training
- Debates/Mock Interviews/Group Discussion
- Inter and Intra Class Competitions.
- Efficient blend of traditional classroom teaching with modern methods of ICT enabled teaching, hands-on training and one-on-one patient demonstration.
- There is an academic calendar prepared well in advance before the commencement of the session. It consists of schedules regarding commencement and closing of classes, sessional test and start of examination.
- **Course File:** contains syllabus, teaching plan of coverage of syllabus and question papers.
- **Course Allocation**: Head of Department finalizes the course allotment to individual faculty member, based upon the choices filled by them.
- Evidence based teaching and learning strategies.
- Patient oriented teaching and learning strategies.
- Learning by faculty and students through the expert talks.
- Academic Audit during semester for regular improvement in teaching learning process.
- Use of seminars, case study based teaching and project work to enhance the confidence level of students.
- ICT based Teaching: PPTs, E-content (NPTEL).
- Remedial classes for weak students.

6.3.3 Examination and Evaluation

- Two experts are from outside in Board of Studies, a set of panel of examiners are invited in examination and names are approved as per INC. A set of criteria is prepared with examiner using different strategies for practical like OSCE, Viva, and Assignment of patients in clinical Area.
- Student friendly & transparent examination & evaluation system.
- Regular class tests for each topic are conducted after completion of syllabus
- Sessional examinations followed by university examinations (Theory and Practical).
- Blinded Evaluation.
- To improve the quality of examination, examination pattern is followed according to NBA. All the Mid Term examination question papers are mapped with respective COs and POs.
- Pre-final examinations, model viva voce and practical exams.
- Assignment and project

6.3.4 Research and Development

- Faculties carried out their research in their respective areas and published their research.
- A research calendar is prepared and followed throughout the year. Later research thrust area is identified, problem statement are selected in consultation with research core committee. As per the calendar, Synopsis presentation, ethical approval, tool and Pilot and Final study analysis presentation are presented in front of research core committee along with the presence of all guides and co guides, where experts give suggestions which are incorporated.
- Mock viva, journal club and research critiquing are also integrated into the part of research
- Students prepared posters for e- presentation in the International health congress held in Dubai
- Well Equipped Research Laboratory.
- Computer Lab with Internet.
- Encouragement for research right from undergraduate programmes. Dedicated research facility developed.
- Short studies and Dissertations are conducted after obtaining ethical clearance.
- Quality publications both by faculty and students in the peer reviewed journals with indexing and abstracting in SCOPUS and/or PubMed.
- Research presentations both by faculty and students in the national and international conferences held across the country.
- Adoption of various critical analysis tools (like CASP) of the research articles to facilitate the research process and development.
- Two major research projects has been completed and two are going in the college in which JRF has been full time working.
- Research scholars are doing Ph.D in various fields of Pharmaceutical Sciences.
- All Faculty members with Ph.D. degree are involved in research work.
- International Conference was regularly organised.
- Frequent research oriented lectures by eminent academicians.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- Fully enabled traditional books & Journal s. Library with e-books, e-journals & Internet resources.
- Free Wi-Fi facility provided by the university to access various online journals and e – books.
- Well established computer lab in the institute for both students and faculties.
- Classrooms are well -equipped with audio –visual aids for the better communication.
- Research labs are well equipped with the high class instruments like Class IV laser, NCV/EMG, PFT, Isokinetic dynamometer, Trans-cranial electrical stimulator, etc. for the quality research.
- NPTEL Video Courses
- A member of DELNET Delhi providing Inter-library Loan Facility of Books and Journals.
- Fully Automated Library Using SOUL 2.0 Library Management Software
- In-house E-content designed by faculty available on University website.
- Agreement with INFLIBNET for research repository on Shodhganga.
- Language lab, conference hall and digitalized seminar halls

6.3.6 Human Resource Management

- Work culture: Staff welfare committee organize welcoming party of newly joining and farewell of staff.
- Academic leaves for attending conferences are also availed by the faculty.
- Induction programmes and hand holding in clinical areas for new joining faculties with closed supervision and monitoring by senior staff.
- Motivation for publications and attending conferences.
- Equitable Career Growth Policy
- Faculty Annual appraisals
- Provision of Maternity Leave, On duty Leave, Medical Leave.
- TA/DA for National Conferences
- Organization and participation in the extra – curricular and co-curricular activities.
- Participation in the various committees at the institute level.
- Motivation for publications, patents, copyrights and attending conferences/FDP
- Teachers' appraisal is discussed by the faculty and promotion of faculty is done as per AICTE/PCI norms.
- Regular Training of the faculty/other staff
- Various committees and clubs comprising of the staff coordinate different activities throughout the year

6.3.7 Faculty and Staff recruitment

- No. of vacant seats for different Designations is communicated to the establishment branch.
- Inviting CV's after that Short listing Candidates by interviews conducted by core committees.
- After selection names of candidates are send to Deputy Registrar (establishment) for approval.
- Recruitment Criteria as per guidelines of regulatory bodies.
- Open advertisement for Direct Recruitment Posts.
- Promotion of existing incumbents as per UGC norms.
- Well qualified faculty and staff recruited as per requirement.
- Selection of faculty through campus interviews at IIT Delhi, IIT Roorkee, and IIT Ropar etc.

6.3.8 Industry Interaction / Collaboration

- Memorandum of understanding taken for outstation Posting to IMH&H Agra and Civil Hospital, Ambala.
- For placements : Training and placement cell of institution keep liaison with potential industries to take care about the placement of students like Artemis , Columbia Asia etc.
- MOU with MM Continental Hotel
- Industry Interaction on Industrial Visits.
- Guest Lectures by Industry experts.
- Regular Court Visits and Training of students are there. Students visited Distt. Courts, attended Lok Adalat, Visited Jails and Villages under the guidance of District Legal services Authority, Ambala.
- Memorandum of understanding with:-
- Avecon Health care Pvt. Ltd., Saha, Ambala, Haryana
- Cascare Remedies, Ambala Cantt., Haryana
- Varav Biogenesis Pvt. Ltd., Kala Amb, H.P.
- Quality Services, Ambala City, Haryana
- Da Minerals, Ambala City, Haryana
- Cure Mantra Herbs Pvt. Ltd., Kala Amb, H.P.
- Octa Life Sicences , Ambala City, Haryana
- Theramax Laboratories, Ambala City, Haryana
- Pushkar Pharma, Kala Amb, H.P.
- Veties Health Care Pvt. Ltd., Ambala City, Haryana.
- Faculties are encouraged to take consultancy from industries and govt. funding agency.
- Students undergo summer training which is industrial training in different industries for 6 weeks/months.

6.3.9   Admission of Students

- Admission to all the courses is based on the merit of qualifying examination after which counselling is done for the students.

- Admission of students to various courses is based through competitive exams JEE / NEET / MAT / GPAT / GATE / CAT on merit and is transparent with the single window system.

- Efforts are made to ensure that all students seeking admission to the various courses stay informed through different modes of publicity.

6.4 Welfare schemes for

Teaching	Mediclaim Policy for illness, CPF Scheme, Sports facilities with Swimming pool, Best Teacher Award, Personal Loan to the staff members. Loan Facilities, Medical Facilities
Non teaching	Mediclaim Policy for illness, CPF Scheme, Sports facilities with Swimming pool, Best Employee Award, Personal Loan to the staff members. Loan Facilities, Medical Facilities
Students	Hostel Facility, Hospital Facility, General Insurance, Shopping Centres, Auditorium, Transport & Facility, Personality Development Cell, International Education Department, Alumni Association, library facilities, Sports facilities, cultural Activities, Canteen facilities.

6.5 Total corpus fund generated   5 Crore

6.6 Whether annual financial audit has been done   Yes √   No ☐

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No		Yes	IQAC
Administrative	No	ICS	Yes	IQAC

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes   Yes   √   No ☐

For PG Programmes   Yes   √   No ☐

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

- Conducting special exams for student back log.
- Data bank of experienced and qualified paper setters / examiners of Industry and academia.
- MCQ's guidance is given to prepare the students for competency based jobs and higher studies
- Standard Operating Procedures for Examination Scheme, Tutorial Classes, Assignments and Course File has been implemented in all technical courses.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

- There is flexibility to the department to update curriculum as per the feedback of stakeholders.
- The University has full autonomy in teaching-learning process. Subjects are allocated to the faculty members according to their specialization.
- The University organises workshops, MDPs, FDPs, Expert talks, industrial visits as when required. The head of the institute has complete autonomy to send any faculty member for attending seminars/workshop/ conferences etc.

6.11 Activities and support from the Alumni Association

- Alumni Association arrange alumni meet every year in the university.
- Guidance of students by the alumni to pursue higher studies in overseas. Alumni working in different sectors help in recruitment of students and act as resource person.

- Regular feedback from the Alumni helps students to prepare themselves to pursue career in various sectors.
- Two times feedback from alumni is taken and analysis is done to overcome lacking in support service.
- Inputs for the curriculum and institute development.
- Greetings also sent on their birthdays and festivals.
- Alumni are also being intimated regarding any conference, convocation etc. from time to time.
- Placement opportunities also mailed to them from time to time.
- Alumni also helps the current students for their industrial training and placement activities.
- Guidance for startup activities to the interested current students.

6.12 Activities and support from the Parent – Teacher Association

- No formal PTA in the University.
- Parent Teacher Meeting in which the performance of ward was discussed with the parents and also appraised about their attendance and participation in various activities.
- Parent interaction is held at the time of admission and regular correspondence is done of student`s academic activities from time to time.
- Teacher not only shares the student information with their parents but also take their feedback and utilize it for the betterment of the department

6.13 Development programmes for support staff

- Training sessions for the latest technology used in Hospitality especially F&B SERVICE & FOOD PRODUCTION.
- A motivational workshop about effective speaking was also organised
- Training in Hotel M.M Continental is also for support staff to upgrade skills.
- Get together and training programmes are conducted every year by the management.

6.14 Initiatives taken by the institution to make the campus eco-friendly

- Tree plantation drive is run every year on the Founders day.
- Classrooms are airy and well ventilated and they hardly need any artificial lightening, still every room is well equipped
- Non Renewable energy -Solar Energy Usage has been put in place.
- Group activities related to vermicomposting and composting using biobin were assigned to students to promote awareness and thereby minimize the amount of wastes in the premises.
- Special initiative for holding cleanliness drive under Swatch Bharat Abhiyan as launched by GOI.
- MMIMSR / MMCDSR / Hospital follows the protocol for waste disposal and follow the latest recommendation from BMD.
- Promoting paperless communication
- Sewage treatment plant
- No tobacco zone, carpooling and bio remediation of the waste
- Garden-maintenance activities

Criterion – VII

7. Innovations and Best Practices

7.1   Innovations introduced during this academic year which have created a positive impact on the Functioning of the institution. Give details.

- Modular Based Teaching, Video Based Teaching, E- Learning, Webinar, Computer assisted Learning

- More number of Live Projects, Pre-Placement Online Mock Test Series to prepare the students for placement, Academic Information Sharing through e-groups, subject wise e-notes for students, excellent Mentoring System.

- OSCE based practical examination was made mandatory to evaluate students in a better way without any bias for objective evaluation purpose and Swayam and e-pathshala incorporated in curriculum. Online quiz was introduced among students with collaboration of MMEC via wizag software.

- MMICT&BM (Hotel Management) organized Live Workshop on Molecular Gastronomy in which a renowned chef presented the concept of molecular gastronomy through live demo to the students which has positive impact on the working of institution with students enhancing their knowledge on latest trends.

- Faculty became member of Chef Association of Five Rivers which facilitated more interaction with renowned chefs.

- The Executive Chef of Park Plaza Chandigarh graced the chef competition as Judge. His gracious presence motivated the participants and students with latest trends in Food Production.

- Chef Competition organized.

- Introduction of Bed-side clinical teaching methods to improve the clinical assessment and treatment skills of the students.

- Interdisciplinary case discussion scenario has a positive impact on the professional growth and imparting the effective academic teaching-learning process.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

- Academic calendar and activity planner prepared by the faculty which was further discussed with Principal. In institution feedback was taken regarding the implementation of activities as planned.

- The academic plan of the college in the beginning of the semester is made in the form of an academic calendar which includes guest lectures, field visits, demonstrations, formal lunches, theme diners and other co-curricular & extra-curricular activities.

- At the end of academic year a report on compliance of the academic calendar is prepared. The plan of action decided upon at the beginning of the year in the IQAC meetings has created a positive impact on the teaching learning process of higher education

- A tobacco cessation centre under the leadership of dept. of public health dentistry will be started in due course of time.

- Introduced of BBA.LLB.(Hons.) 5years Integrated Course and B.COM.LL.B.(Hons.) 5years Integrated Course from the session 2017-18.

- Department also organised National Level Paper Presentation Competition and National Legal Essay Writing Competition in the academic session 2017-18.

- IQAC is evaluating the systematic and timely implementation of the various activities according to the plan of action chalked out by the departments in the beginning of the year

- Periodic verification of time table, monitoring and verifying the completion of portions at the departmental, college council and Principal's levels. Special classes are arranged for the completion of portions. Remedial and Tutorial classes are arranged for weak students.

- Encourage teachers to undertake Major and Minor projects

- Inter departmental competitions are arranged and Environmental day were celebrated for creating awareness to the youngsters.

- Counselling facility is arranged for the needy students

7.3 Give two Best Practices of the institution *(please see the format in the NAAC Self-study Manuals)*

Best Practices-I

Title of the Practice   Mentoring System

1.   Objectives of the Practice

- The goal of the mentoring system is to establish a trusting relationship with accountability and responsibility between the mentor and mentee.

- Provides counselling and guidance to the mentees regarding their career related queries and their personal problems and to overcome their grievances.

- Appraise the mentees about the procedure, schemes, facilities scholarship/freeship available.

- Motivate the mentees to take part in extra co-curricular activities.

2.   The Context

Mentoring is an increasingly popular way of providing guidance and support to young people in need. Mentoring System in education is a personal developmental relationship in which an experienced or knowledgeable teacher (Mentor) counsel and guide the Students (Mentees) for their overall development. The counselling sessions establishes the mentor as a coach who provides advice to enhance the mentees professional performance and development.

3.   The Practice

- Our mentoring program provides an opportunity to mentees to share their problems and also put their suggestions and to mentors to help the future professionals with proper guidance.

- Mentor counsel the mentees one to one and assist them with career exploration, project critiques, and skill building, based on mentees' needs and interests.

- The program begins each Semester with a Mentor-mentees allocation and counselling session which provides an opportunity to the student and mentor to meet and interact for the first time.

- During the semester, mentees share their academic as well as personal problems with their respective mentor from time-to-time.

- In mentoring program, each mentor also arranges counselling session for the corresponding mentees at least once in 15 days.

- Mentor also communicates with the parents/Guardians regarding the progress telephonically to make aware them about the performance of their wards once in a month.

- Mentor also despatched the progress report to the parents of each mentee regarding one's attendance record and marks of sessional examination.

4. Evidence of Success

- Enhances confidence and offers challenges to set higher goals.

- Individual recognition and encouragement.

- Access to a support system during critical stages of academic and career development.

- Exposure to diverse perspectives and experiences.

5. Problems Encountered and Resources Required

Whenever the mentor despatched the progress report of their respective mentees, in case of remote areas, the correspondence with parents/guardians becomes difficult.

Best Practices-II

Title of the Practice   Pre-placement Online Mock-Test Series

1. Objectives of the Practice

- The main goal of the practice is to transform the students into well qualified professional through the committed pattern of instruction and well-designed curriculum.

- To train the students to appear for campus placement drives with confidence.

- To improve the students performance at competitive examinations.

2. The Context

- The Mock-Test Series is helped to reduce the pressure on the students at the time of campus placement drives, as the students will have to sit for multiple tests throughout the year, thereby decreases the accumulated stress of placement drives in the students.

- Their skills are sharpened and chiseled keeping in view the patterns of the placement drives.

- They are given question bank prepared by the expert faculty. This has helped them to attain their targets in a better way.

- To make the summative question paper more objective, it is imperative that a quality question bank is available in all subjects. This necessitated the creation of the question bank for summative assessment on objective questions or MCQs.

3.   The Practice

- The Mock-Test Series is implemented to evaluate the skills of students in a subject and to make them know how much they have been through.

- The students get a wealth of valuable guidance and feedback from the teachers on regular basis.

- The Institute ensures that the students are provided with the questions framed by the experienced faculty of the institute.

4.   Evidence of Success

- Students learn through a process of trial and error and examinations, which are an important part of learning process for students, the feedback on their performance has greatly contributed to their progress down the line.

- The question bank consists of a pool of validated multiple choice and objective questions.

- Questions comprising three cognitive levels of learning, viz., knowledge, understanding and higher ability to implement.

5.   Problems Encountered and Resources Required

- Troubleshooting in Server management was required upto great extent.

- Completion of syllabi since the teaching faculty gets engaged in the conduction of mock-test series.

- The Institute required the infrastructure in the shape of Computer Systems, Server and Supporting Staff.
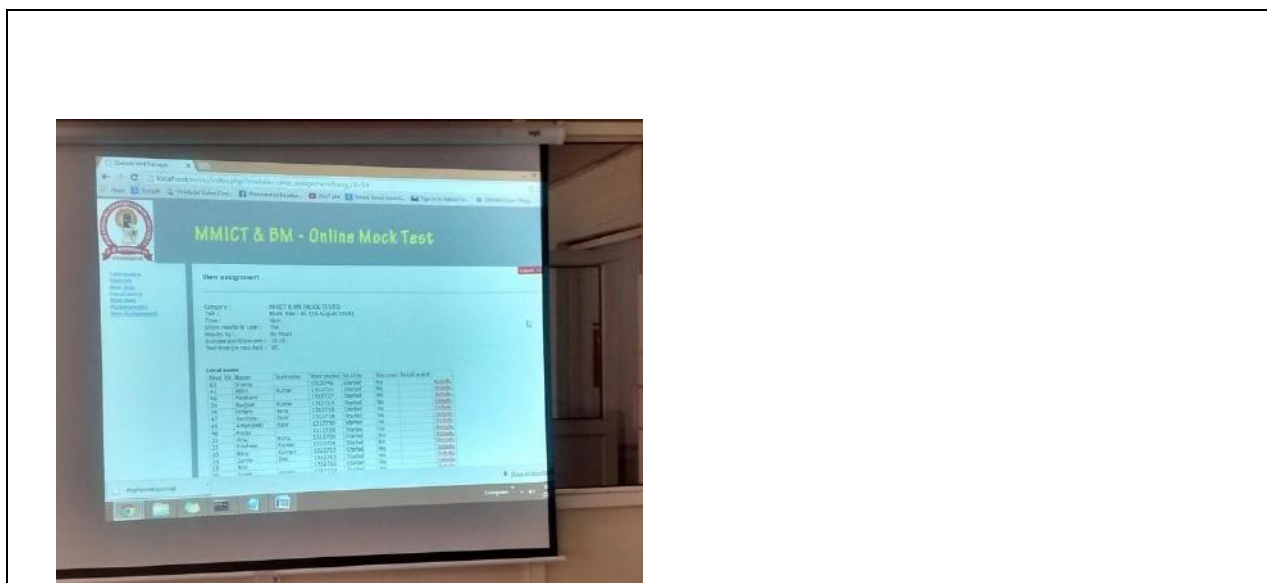
Provide the details in annexure (annexure need to be numbered as i, ii,iii)

7.4 Contribution to environmental awareness / protection

- Cleanliness campaign was conducted by the students under National service scheme at railway station, Ambala cantt.

- E- Practices – in most of the day to day work like lectures, notices etc.

- Implementation and promotion of Green policy in the form of Tree plantation, paperless communication, and smoking free institution.

- Effective biomedical waste management.

- Swachh Bharat Pakhwada was celebrated by MM(DU) from 1st to 15th Sep., 2017. Various programmes like Inspection of Sanitary Facilities. Maintenance of broken furniture, removal of waste material etc. were carried out.

- Essay writing competition on "Innovation ways for spreading the message of hygiene was also conducted.

- World Sustainable Energy Day was celebrated on 28th Feb, 2018 organised by Eco-Club, MMEC. Various activities like Quiz, Poster Making, and Best out of waste material competition related to environmental issues were organised on this occasion.

- An awareness programme for the use of Fire Extinguisher was conducted in Department of Law on 31st July, 2018. The programme was organised to make all the staff members,

students aware about the use and working of Fire Extinguisher is case of fire break out in the department.

- Rain Water Harvesting.

- Energy Audit to save electricity.

- Car pooling from various stations.

- Sewage Treatment Plants

- Energy Efficient Applications Used.

- Energy Conservation awareness Programs.

7.5 Whether environmental audit was conducted?   Yes √   No ☐

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

Strength :
- Implementation of innovative teaching strategies (OSCE, CAI).
- Improvement on communication skills through language lab class.
- Very Good infrastructure
- Highly Qualified and Motivated Faculty
- Rich Library Resources
- Practical Exposure of Students
- Knowledge Input through Guest lectures by eminent Resource persons
- First choice of students for pharmacy education (B.Pharm, Pharm D) in Haryana
- Add-on courses and certificate courses.
- Placement and career guidance.
- Scholar Support Programme (SSP) for needy students
- Remedial coaching was arranged for academically weak students

Weaknesses:
- Location of the University in the Rural Area
- Students Research is Lacking
- Lack of Research Projects

Opportunities :
- Strive for professional and personal development via utilizing facilities in university by attending workshops/conferences etc.
- Organising International Seminars/Workshops/FDP's
- Increasing market size of pharmaceutical industry for better placement of student

- Growth in the energy sector such as generation, transmission and distribution will create demand for trained manpower in electrical engineering.
- Research and career oriented programs.
- Strategic alliances with national research and industrial centers.

Challenges :
- Maintain quality education with cost effective.
- To incorporate evidence based practice with changing demands of society.
- Placements of Students in Corporate Sector
- To develop the academic-industry relationship
- To develop programming and simulation skills in students.
- Language Problem of Students

8. **Plans of institution for next year**

- Collaborative multidisciplinary research with other departments of university and outside.
- To strive for professional and personal development via utilizing facilities in university by attending workshop/conferences/training programmes.
- Developing research skills through publication of original research paper, writing books etc.
- To motivate and prepare students to be better citizens and better health professionals.
- To promote overall development of students by organizing various curricular and co-curricular activities such as quiz, debate, sports etc.
- Proposal midwifery led birthing centre
- Proposal for advance nursing clinic lab
- Plan to acquire CBCT.
- Seeking better placements for students by conducting more placement drive
- Improved GPAT coaching to achieve better outcomes
- Attain Quality oriented publication in journals of international repute
- High quality publications in peer reviewed journals (Scopus, Web of Science etc.).
- To develop a skilled human resource catering to the need of modern Biotech industry and academia.
- To prepare and submit the research proposals for funding through AICTE/DST.
- To develop the IOT Lab/Machine Learning Lab in MMEC.
- To work in collaboration with industries and academia.
- To fetch grant for research projects from various funding agencies.

Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

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On campus			Off Campus
Number of Organizations Visited(**Enclosed the list of companies separately**)	Number of Students Participated	Number of Students Placed	Number of Students Placed
Infosys Ltd.	343	14	
Armentum	77	10	
Sites Learning India Pvt. Ltd.	04		1
British Telecom	45	3	
Nestle	68	4	
KPIT Technologies	44	8	
WNS	39	5	
Deloitte	52	1	
Karvy Stock Broking Ltd	47	3	
Aptus Lab, Bangalore	48	2	
Libsys Ltd.	34	1	
eClerx Service Ltd	59	5	
Sagar ISPAT	15		5
Harkash technology	37	4	

SMARTDATA	17		6
BYJU	42	5	
HDFC Bank	54	6	
Infinite Technology	42	6	
Sona Core Limited	7		1
Everest Industries Limited	32	1	
Just Dial	78	16	
Amtex Systems	40	3	
Velankani Communications Technology	36	1	
EduKyu	35	4	
OMICS International Pvt. Ltd.	125	13	
OM Careers	8		1
Bhilwara Group	65	10	
Quality Council of India	38	4	
Swadhaar Finserv – A Subsidiary of Ratnakar Bank Limited (RBL	41	5	
Ashok Leyland	47	10	

Nectar Lifesciences	60	18	
Innodata Pvt. Ltd.	35	2	
Logic ERP Solutions Pvt. Ltd.	58	7	
Foil Printers	39	1	
Change Leaders	37	1	
Coral Telecom	39	4	
MY Operator	44	2	
Seraphic Infosolutions Pvt. Ltd	43	3	
Net2Source	57	2	
Open Access Technology India(OAT India)	46	2	
Vyom Productions (Telecast Partners of Doordarshan)	67	10	
Nahar Group of Industries	10		3
HDFC AMC	39	2	
Addon Manpower	6		1
Axis Bank	8		1
CapitalAim Financial Advisory Pvt Ltd	88	25	
McDonalds	25	7	

PWC-PriceWaterCoopers	45	5	
Shri Ram Transport Financial	52	4	
Alight Solutions	42	2	
Focus Academy	27	2	
Convergys	53	3	
Innovaccer Analytics Pvt. Ltd.	12		1
Eicher Tractors Limited	42	9	