TEERTHANKER MAHAVEER UNIVERSITY

(Established under Govt. of U. P. Act No. 30, 2008)
Delhi Road, Moradabad (U.P)

Six monthly Academic-Audit, Session-20_19_-20__20_
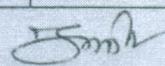
Audit Framework and detailed findings

1. **Name of the College/Department: CCSIT**
2. **Date of Audit: Oct 13,2020**
3. **Period for which Academic audit conducted: Jan-June 2020**
4. **Findings:**

Criterion	Parameters	Verification	Comments& Suggestions, if any
(A) Academic Process Compliance			
I. Curriculum Design	Whether necessary approvals from BoS/BoF/Academic Council taken for curriculum design	Records Available BOS: 10.07.2020 BOF:27.07.2020 AC:30.07.2020	Found Appropriate
	Programmes in which syllabus revision carried out during last one year	All Programmes	Found Appropriate
	Value added curses introduced and number of students registered in it	Records Available Short Term Course: 07 No of Students Registered: 187	Found Appropriate
	Whether COs & PSOs defined &Curriculum drawn from PSOs	Yes Record Available	Found Appropriate
	Credits allotted/distribution logic (regulatory & PSOs requirement)	YES	Max.- 154 , Min-148
	No. of courses having employability, entrepreneurship & skill development activities	Records Available Employability: 28 Entrepreneurship:02 Skill Development: 02	Found Appropriate
	Contents drawn from Course Outcomes (Cos)	Yes Records Available	Found Appropriate
	Course Outcome (Cos) attainment & measured	Not Applicable	NA
	Curriculum matches regulatory framework	Record Available	Found Appropriate
	College academic calendar developed & aligned to university calendar	Record Available	Found Appropriate
	Induction for new students planned & conducted	Not Applicable	NA
	Feedback on syllabus obtained, from students, industry, alumni, faculty, parents, analyzed, action taken & uploaded	Feedback obtained from Industry. Action Taken: Conducted Preplacement Classes and CTLD Classes	Parent feedback Not taken
	Induction for faculty & staff planned & conducted	10 Faculty Members	Record Available 20.01.2020,

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		08.01.2020
Teaching load & other responsibilities assigned at least 04 weeks before start of new semester	YES	Record Available
Academic review committee meetings held & ATR prepared	01(one)	Record Available
No. of notice boards with lock & key for information dissemination to the students	46 key for information dissemination to the students	Record Available
Presentation of work by faculty who have attended workshop/seminar & conferences	YES: 02	Records Available
Are faculty citing the work of other colleges	YES: 07	Records Available
Soft & hard copy of publication of faculty available with HOD	YES: 18	Records Available
No. of new programmes added	02(MCA 2 Years and B.Tech Inurture Data Science)	Record Available
Total no. of credits to be taught in the semester	790	Record Available
Total no. of faculty during the period	58	Record Available
No. of faculty relieved during the period	02	Record Available
No. of faculty joined during the period	02	Record Available
No. of faculty who have completed industry – immersion programme	No Record	Suggested to maintain the record for future reference.
No. of Bridge Courses offered	Not Applicable	NA
No. of yoga & meditation sessions held	01	Record Available
Preparatory classes for competitive exams	YES	09.09.2019
KRAs & PMS of all faculty received on the format	YES	Record Available
Review of PMS completed	Not Completed	Suggested to maintain the record for future reference.
Are records of CRC meetings &Ph.D scholars personal files updated regularly	YES	Records Available
CBCS implementation status	YES	Found Appropriate
Faculty club in place & get together held	01	Record Available
Students' attendance on cumulative basis marked on register	No, Due to Covid19	Suggested to maintain the record for future reference.
Any deviation in attendance marked on register from that entered in ERP	ERP not functioning	NA
% of course coverage before End Term/Annual Exam	100%	Record Available
Conduct of Internal Assessments (whether	Yes but some	Record Available

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	as per the Academic Calendar and Academic Ordinance)	variation due to Covid 19	
	Maintenance of marks register/file by faculty & HOD office	Yes	Record Available
	Quality of Internal Assessment/Evaluation of CTs	YES	Record Available
	Written feedback shared by showing answer sheets	No due to covid19	Suggested to maintain the record for future reference.
	Result of University Exam (last)(Pass percentage)	Yes	Record Available
	Result Analysis prepared and Action Taken on University Exam Result Analysis (last)	Yes	Found Appropriate
	No. of classrooms&No. of classrooms with ICT	No of Classroom:33 ICT: 01	Records Available
	No. laboratories and the status of these laboratories	13	Found Appropriate
	No. of computers-for teachers	78	Records Available
	No. of computers for students	735	Records Available
	No. &Status of equipment (no. of working)	813;	All are Working condition
	Compliance of last audit done for equipment	Not Applicable	NA
	Status of wi-fi access points	17	Record Available
	Quality of Sanitation	YES	Found Appropriate
	Quality of Drinking Water facilities	YES	Found Appropriate
	ARC/BoS/BoF/CRC meetings (whether timely held and in accordance with Ordinances)	YES Records Available	Found Appropriate
	Provision for Project/field work/internship at UG/PG	YES Project/internship at UG/PG	Records Available
	Whether the curriculum has inclusion for gender, environmental and ethical issues	YES	Record Available
	Whether revision/change in course contents made based upon feedback	YES	Records Available
	Extent to which lecture plans and outlines are prepared & shared with students and implemented by the individual teacher?	YES	Records Available
II. Curriculum Transaction	Internal Assessment components followed as prescribed and feedback shared with students	YES	Records Available
	Are model answers for each CT prepared and displayed on notice boards after the CT is conducted	Partially Record Available due to covid	
	Student Support: remedial classes for slow learners	Online classes in June2020 Month	Record Available
	Percentage of classes conducted as per the scheduled time table	100%	Record Available

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	Actual number of days when teaching learning happened	112	Record Available
	Average deviation in total contact hours/course between planned and actuals	20% DEVIATION Affect due to Covid19	
	No. of days from the date of exam & result declaration	10-15 days	
	Parents' meeting: Evaluation of students' progress	No due to Covid	Suggested to maintain the records for future reference
	Feedback, from students, on teaching - learning	No due to Covid	Suggested to maintain the records for future reference
	Steps taken on Feedback (ATR)	NO	Suggested to maintain the records for future reference
	Mentor – Mentee system		
	• Every students has mentor	YES	
	• Transaction records are maintained	YES but not completed due to Covid19	Suggested to maintain the records for future reference
(B) Performance / Quality Parameters			
III. Faculty Profile	Percentage and no. of faculty members with PhD as the highest qualification	28% no. of faculty members 16	Record Available
	% & no. of faculty registered for Ph.D	42% faculty registered for Ph.D 24	Record Available
	Percentage and no. of faculty members with UGC NET	Not Applicable	NA
	No. Papers/Articles per teacher published in UGC Care list, SCOPUS, PubMed, WoS, ICI	Total Publications: 18	Record Available
	No. of teachers who attended FDP/Training/Workshop/Orientation /Induction	141	Record Available
	No. of teachers who developed e-learning content	58	Record Available
	No. of E-learning modules developed	NO	Suggested to maintain the records for future reference
	No. of new courses added	Nil	
	No. of PhD awarded per teacher	Dr. RK Dwivedi: 02 Dr. AKS: 01	0.05%
	No. of PhD scholars enrolled per teacher	21 Eligible Supervisors(05)	0.23%
	No. of consultancy generated per teacher	01 Consultancy under 02	Record

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		Faculty Members	Available
	No. of research projects per teacher: i. applied ii. going on iii. completed iv. funding from external agencies (Govt. & Non-govt.)	No	Suggested to maintain the records for future reference
	No. of teachers awarded national/international fellowship for advance studies/research	No	Suggested to maintain the records for future reference
	Bibliometric of publications (Citation index)	576	Records Available
	H-index of college publications	43	Records Available
	No. of RFs/PostDoc/Research Associates in the department/college	Research Associates in the department 01(Mr. Akshay Siddhu)	Record Available
	No. of outreach activities per teacher	04: SIH 2020 Dr. RK Dwivedi Mr. Rupal Gupta Mr. Rajendra Prasad Pandey Mr. Ashish Bishnoi	Record Available
	No. of faculty who have successfully qualified 2 stage ITW requirement	Nil	Suggested to maintain the records for future reference
IV. Student Profile & Support	Demand Ratio (Applications received Vs. Sanctioned Strength)	NA	NA
	No. of students involved in extra-curricular activities	1800	Record Available
	No. of industrial tour/study visits/exhibitions/Internship/Training (Average per batch)	Industrial tour: 01 Internship/Training: MCA : 45 students	Record Available
	Record of students who joined Higher education/placed/entrepreneurs/joined civil services	Higher Education: 26 entrepreneurs 56 Placed:46%	Record Available
	Use of e-resources in class & outside class	Econtents/Youtube Lecture uploaded on Website.	Record Available
	No. of activities College/Department do for improvement in teaching- learning quality enhancement? List some of these.	14	Records Available
	Student centric & experiential learning methods used	Lab Asignments/Projects	Record Available
	Students benefited by guidance on competitive exams	05	Records Available

	Student progression to higher studies *no .of students pursued higher studies *Programme graduated from *Institution joined *No. of students qualifying State/National/International level exams like GATE/NET/GMAT/CAT/GRE etc	no .of students pursued higher studies: 26 and in progress Programme graduated fromCCSIT, TMU BCA, B.Tech Students joined TMU:02 1. Department of Homeland security, US 2. IIT Jodhpur Gate: 05	Record Available
	Average % of students' grievances about evaluation	5%	Records Available
V. Activities of the College/Department	MoUs signed	1. Google 2. Cisco 3. AMCAT 4. Tata Steel Ltd. 5. CADD 6. IIRS 7. Crackin 8. AMPERES Energy Solution Total: 08	Records Available
	No. of active collaborations and activities undertaken (details to be annexed)	1. Google 2. Cisco 3. AMCAT 4. Tata Steel Ltd. 5. CADD 6. IIRS 7. Crackin 8. AMPERES Energy Solution 9. IBM, 10. Inurture Total :10	Records Available
	No. of consultancy projects and revenue generated	01 Revenue generated: 10 LAKH	Record Available
	No. of press mentions of the activities (press clippings in records)	21	Records Available
	No. of Guest Lectures organized i. Industry ii. Sr. Academicians	01	Record Available
	No. of workshops conducted on IPR, Industry-Academic Innovative practices	Industry-Academic Innovative practices :03	Record Available
	Awards on innovation won by college/teachers/research scholars/students	College: 05 Faculty: 05 Patents: 16	Record Available

		Student Award: 12	
	No. of incubation/start-ups created	01	Record Available
	No. of Endowment Chairs in the college	Not Created	Suggested to maintain the records for future reference
	No. of Conferences/Seminars/Continuing Education programme conducted	Conference: 01:NCI Education Programme(Webinars) : 12	Record Available
	No. of Extension Activities (Details to be annexed)	12	Records Available
	Interaction with Industry/ Research Centers/Universities	Interaction with Industry : 33	Records Available
	No .of awards/medals in sports/cultural activities at National/International level	Sports : 01 Intercollege at University Level Cultural: 01 Splash at College Level No .of awards/medals in sports/cultural activities at National/International level: NO	Records Available
	Mechanism for students' grievance redressal *No. of grievances received during last six months *No. of grievances redressed * Av. No. of days for redressal	07 07 Av. No. of days for redressal: 8-10 days	Records Available
	Newsletters/Magazine published	Magazine: 02	Records Available
	Placement: i. No. of companies visited during last year ii. No. of companies revisited from last year iii. % of students placed (No. of students placed out actual number of passing out students) iv. Average and highest salary package	33 15 46% Average: 2.74 Highest: 6.5	Records Available
VI. Scholarships	No. of students received scholarships from government bodies	NA	NA
	No. of students received scholarships from non - government bodies	304	Records Available
VII. Online Education Delivery	No. of courses delivered through online classes	223	Records Available
	No. of hours spent on online classes/courses	2688	Records Available
	No. of programmes taught online	13 Record Available	Records Available

No. of assessments and type of assessments conducted online
    i. Quiz
    ii. Assignments
    iii. Panel examination
    iv. End-semester examination
    v. Practical
	Unique Assignments All Internal+ External Award sheet
	
	ALL
		Records Available

No. of webinars delivered to
    i. Students
    ii. Faculty
	12	Records Available

No. of faculty delivered webinars	17	Records Available
No. of online meetings by the college for faculty	50	Records Available
No. of meetings attended by the Principals at University level	12	Records Available
No. of online CRC meetings conducted	09	Records Available

No. of Ph.D. students presented their work on line
    i. Progress report
    ii. Pre-thesis presentation
    iii. Oral Defense of Thesis
	Progress Report :06
	Pre-thesis: 03
	Oral Defense : 03
		Records Available

No. of B.O.S meetings conducted online	01	Records Available
No. of faculty attended online workshops/conferences/webinars	Webinar: 104 FDP: 141 Conferences: 58 Others Online Certificate : 109 Book Chapter: 06 Patents: 16	Records Available
Total e-content developed for students	58	Records Available

5. **SWOT Analysis of the College/Department:**

Strengths:

- ➢ **Willingness to recognize weaknesses and make improvements,**
- ➢ **Recruitment, retention, lack of diversity and develop plans for making Improvements**
- ➢ **Well qualified and experienced faculty of various specialization domains.**
- ➢ **World class infrastructure to provide all necessities to the students and the faculty that includes spacious lecture halls, lecture theatre, computer labs and seminar hall equipped with all ultra-modern facility to impart quality education.**
- ➢ **Trying to develop academic culture (24*7) for faculty, staff, and students.**
- ➢ **Wants to produce knowledgeable graduates from rural areas with high earning power.**
- ➢ **Wants to create committed, dedicated, positive morale, and ethics oriented Human Resource.**
- ➢ **Fully dedicated to follow our Vision and Mission. Strong Curriculum**
- ➢ **Better Student Quality**

- ➤ Team work of faculty & staff
- ➤ Industrial Collaborations
- ➤ Good Publications
- ➤ Maintaining pace with changing Technology
- ➤ Quality graduate program
- ➤ Supportive working environment amongst Colleagues
- ➤ Good computing environment (labs and server)
- ➤ Adequate lab facilities
- ➤ Increase Admission in Ph.D due to fellowship.
- ➤ Technology Orientation due to Online Classes
- ➤ Good Placement even during Covid Period
- ➤ Research Paper Publication, Patents, Books Published
- ➤ Consultancy
- ➤ Online Journal
- ➤ IEEE Indexed Annual Conference
- ➤ 4 * Ranking in IIC

Weakness:

- ▸ Requirement of faculty who is having solid research base and bring few projects
- ▸ Lack of Research culture because of major attention in class room teaching
- ▸ Lack of Research infrastructure Tools and Licensed Software
- ▸ Lack of long-term budget planning and processes
- ▸ Lack of non teaching support Staff for documentation and record keeping.
- ▸ Geographically distant from a large urban area
- ▸ Need to involve more graduate students in research projects.
- ▸ Less admission in M.Tech Programs
- ▸ Academic Environment is needed for college so that faculty may get more time to Research.

Opportunities:

- ➤ Best Technological Institute in this region
- ➤ Better Intellectual Capability
- ➤ Interdisciplinary Fields available
- ➤ May emerge as a local leader in computers as local institutions are shrinking.
- ➤ Leader in Practice-based research
- ➤ Increase and strengthen internal collaborations and external collaborations
- ➤ Increase national and regional recognition
- ➤ May produce excellent faculty dedicated to teaching
- ➤ To emerge as a fully automated ultra-modern institution in Moradabad Region.

Challenges:

- ➤ No Research lab
- ➤ No IPR
- ➤ Lower Admission due to geographical Region
- ➤ Lack in Research due to Young Faculties
- ➤ Meritorious Students enrolment
- ➤ Unstable human resource in teaching and in non-teaching.
- ➤ Saturation of engineering and technological education in market.
- ➤ Inability to recruit & retain quality faculty

- ➢ Declining interest in technical subjects by students
- ➢ Improper use of rating systems
- ➢ Students' increasingly possessing an entitlement mentality
- ➢ Public perception
- ➢ Faculty recruitment suffers due to more emphasis on teaching than research.
- ➢ Providing Quality Placement with Handsome salary package.

6. Best Practices and Innovations of the College/Department:

- ➢ All Faculties/staff Work in an interactive way
- ➢ The participation of students is encouraged and ensured in various academic
- ➢ events that include conferences, seminars, and workshops each academic year for
- ➢ Their overall holistic development. Along with this various short term courses and summer training are available to students for specialization.
- ➢ Well equipped library with rich collection of international and national Journals,Magazines, Newspapers and various educational CDs/VCDs.
- ➢ The use of e-Content resources for teaching and learning. The concept of networkbased Class Share has been implemented for students easy access to e-contentprovided by faculty members.
- ➢ Participation of students in Group Discussions by the members for CommunicationWing of college to make them ready to face recruitment process of companies.
- ➢ Faculty Development Program, Guest Lectures and Invited Talks for facultymembers with reference to new challenges, issues and practices are organized.
- ➢ Teaching is done through case study method, simulation and dramatics.
- ➢ Various academic activities for faculty members and students are organized incollaboration with IBM, GOOGLE and i-Nurture.
- ➢ Bi-Annual International Journal of Computer Science & Information Technology
- ➢ (IJRTCSIT).
- ➢ College magazine Computing Vision published quarterly.
- ➢ Principal Excellency awards in each semester for all programmes.
- ➢ Student's participation in Smart India Hackathon.
- ➢ ERP based integrated university management system: The main objective of this ERP is to provide an easy automation of University academic and administrative processes and functions, reducing paper work and improving information dissemination.

- ➢ Mentor-mentee program: This practice helps in enhancing all round performance of student related to their attendance, examination, discipline, participation in cultural events, seminars, group discussions, celebration of special day, speeches etc.

- ➢ Organize 2-3 Conferences per year
- ➢ Hackathon Award
- ➢ Availability of Value added Courses
- ➢ We will give students Principal Excellence award
- ➢ Best Project award.
- ➢ Webinars/FDP even during Covid Period

7. Future Plans of the College/Department:

- College is planning to automate student attendance system by face recognition camera system in each class.
- College is planning to replace CFL and tube lights from LED bulbs in campus building.
- College is planning to do more plantations around campus and build separate parking areas for vehicles.
- College is planning to launch Mobile app for one touch solution for students and faculty.
- New programmes will be run be on the basis of employer feedback .
- Our objective is to create best hygiene institution I terms of basic facilities like drinking water, toilets, corridors etc.

8. **Overall Observations & Recommendations**

- College has clear vision on research
- Overall recommendation of audit team is satisfactory.
- Fully dedicated to follow their Vision and Mission.

Signature of Principal-College audited

Signature with names of the Audit Team:

Dr Tikam Singh   Prof M.P. Singh

(Member)   (Chairperson)

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