TEERTHANKER MAHAVEER UNIVERSITY

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

Delhi Road, Moradabad (U.P)

Six monthly Academic-Audit, Session-20_20_-20_21__

Audit Framework and detailed findings

1. **Name of the College/Department:** CCSIT
2. **Date of Audit:** 01-October-21
3. **Period for which Academic audit conducted:** January-June 2021 Even semester
4. **Findings:**

Criterion	Parameters	Verification	Comments& Suggestions, if any
(A) Academic Process Compliance			
I. Curriculum Design, Teaching-Learning Process& Amenities	Whether necessary approvals from BoS/BoF/Academic Council taken for curriculum design	YES	Found Appropriate
	Programmes in which syllabus revision carried out during last one year	NO	
	Value added courses introduced and number of students registered in it	Records Available Short Term Course: Implementation of data science concepts using Julia: 04 Android Mobile Application Development: 08 CISCO: 15 PHP: 16 Oracle: 13 Java: 12 Python: 25 CTLD IIT Bombay	Found Appropriate
	Whether COs & PSOs defined &Curriculum drawn from PSOs	YES	Available on Website Found Appropriate
	Credits allotted/distribution logic (regulatory & PSOs requirement)	YES	Found Appropriate
	No. of courses having employability, entrepreneurship & skill development activities (please enclose the list)	YES Record Available Employability: 3 Entrepreneurship:02 Skill Development: 02	Found Appropriate
	Contents drawn from Course Outcomes (Cos)	YES	Available on Website Found Appropriate
	Course Outcome (Cos) attainment & measured	YES	Found Appropriate
	Curriculum matches regulatory	YES	Found Appropriate

framework	CBCS as per UGC/AICTE guidelines.	
College academic calendar developed & aligned to university calendar	YES , Record Available	Found Appropriate
Induction for new students planned & conducted	Not applicable	
Feedback on syllabus obtained, from students, industry, alumni, faculty, parents, analyzed, action taken & uploaded (Please enclose the supporting document)	YES, Feedback obtained. AMCAT has also shared the feedback of appeared students. Action Taken: CTLD Classes	Found Appropriate
Induction for faculty & staff planned & conducted (mention details)	NA	
Teaching load & other responsibilities assigned at least 04 weeks before start of new semester (Please enclose time table)	YES, Record Available	Found Appropriate
Academic review committee meetings held & ATR prepared	Yes Record Available	Departmental meeting to be included in ARC.
No. of notice boards with lock & key for information dissemination to the students	46	Found Appropriate
Presentation of work by faculty who have attended workshop/seminar & conferences	No Due to Covid19	
Are faculty citing the work of other colleges	IN PROGRESS	To be worked out
Soft & hard copy of publication of faculty available with HOD	YES Record Available	Found Appropriate
No. of new programmes added	YES 01(TCS)	Found Appropriate
Total no. of credits to be taught in the semester	YES Total no. of credits: 802	Found Appropriate
Total no. of faculty during the period	51	Found Appropriate
No. of faculty relieved during the period	02	Found Appropriate
No. of faculty joined during the period	NO	Found Appropriate
No. of faculty who have completed industry – immersion programme	03	Found Appropriate
No. of Bridge Courses offered	03	Found Appropriate
No. of Open Electives offered	5	Found Appropriate
No. of yoga & meditation sessions held	01	Found Appropriate

Preparatory classes for competitive exams	YES RECORD AVAILABLE	Found Appropriate
KRAs & PMS of all faculty received on the format	YES	Found Appropriate
Review of PMS completed	YES	Found Appropriate
Are records of CRC meetings &Ph.D scholars personal files updated regularly?	Yes RECORD AVAILABLE	Found Appropriate
CBCS implementation status	Yes (Available on Website)	**Found Appropriate**
Faculty club in place & get together held	Yes RECORD AVAILABLE	Found Appropriate
Students' attendance on cumulative basis marked on register	Yes RECORD AVAILABLE	Found Appropriate
Any deviation in attendance marked on register from that entered in ERP	NO	Found Appropriate
% ofcourse coverage before End Term/Annual Exam	Yes(100%) RECORD AVAILABLE	Found Appropriate
Conduct of Internal Assessments (whether as per the Academic Calendar and Academic Ordinance)	Yes RECORD AVAILABLE	Found Appropriate
Maintenance of marks register/file by faculty & HOD office	Yes RECORD AVAILABLE	Found Appropriate
Quality of Internal Assessment/Evaluation of CTs	Yes RECORD AVAILABLE	Found Appropriate
Written feedback shared by showing answer sheets	YES(feedback shared on Olympus platform) RECORD AVAILABLE	Found Appropriate
Result of University Exam (last)(Pass percentage)	YES 85-90%	Found Appropriate
Result Analysis prepared and Action Taken on University Exam Result Analysis (last)	Yes RECORD AVAILABLE	Found Appropriate
No. of classrooms&No. of classrooms with ICT	No of Classroom:36 ICT: 06	Found Appropriate
No. of laboratories and the status of these laboratories	15	Found Appropriate
No. of computers-for teachers	68(Teacher+Official)	Found Appropriate
No. of computers for students	685	Found Appropriate
No. &Status of equipment (no. of working)	753	Found Appropriate

	Compliance of last audit done for equipment	Not Applicable	
	Status of wi-fi access points	14	Found Appropriate
	Quality of Sanitation	YES Up to the mark	Found Appropriate
	Quality of Drinking Water facilities	YES Filtered water is available	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 Records Available	Found Appropriate
	Whether the curriculum has inclusion for gender, environmental and ethical issues(provide details)	YES(included in Syllabus)	Found Appropriate
	Whether revision/change in course contents made based upon feedback	YES	Found Appropriate
	Extent to which lecture plans and outlinesare prepared & shared with students and implemented by the individual teacher?(Provide handouts)	YES	Found Appropriate
II. Curriculum Transaction	Internal Assessment components followed as prescribed and feedback shared with students	YES	Found Appropriate
	Are model answers for each CT prepared and displayed on notice boards after the CT is conducted?	YES(Olympus) MCQ Based online CT were conducted	Found Appropriate
	Student Support: remedial classes for slow learners	YES Records Available	Found Appropriate
	Percentage of classes conducted as per the scheduled time table	100%	Found Appropriate
	Actual number of days when teaching learning happened	95 DAYS	Records to be prepared
	Average deviation in total contact hours/course between planned and actuals	NIL	Found Appropriate
	No. of days from the date of exam & result declaration	10-15 days	Found Appropriate
	Parents' meeting: Evaluation of students' progress	YES Records Available	Maintain minutes of meeting
	Feedback, from students, on teaching - learning	Online(taken by HR) Records with Principal Office	Found Appropriate
	Steps taken on Feedback (ATR)	Great Learning Feedback.	Found Appropriate
	Mentor – Mentee system		
	• Every student has a mentor	YES Record Available	Found Appropriate
	• Transaction records are	YES	Found Appropriate

		maintained	Record Available	

(B) Performance / Quality Parameters				
III.		Percentage and no. of faculty members with PhD as the highest qualification	YES Record Available 13 25%	Found Appropriate
		% & no. of faculty registered for Ph.D	01 from CCSIT, 02 from Polytechnique [January to June 21, total 4 phd registered during this period]	Found Appropriate
		Percentage and no. of faculty members with UGC NET	NOT APPLICABLE	
		No. Papers/Articles per teacher published in UGC Care list, SCOPUS, PubMed,WoS, ICI	08	Found Appropriate
		No. of teachers who attended FDP/Training/Workshop/Orientation/Induction	24	Found Appropriate
		No. of teachers who developed e-learning content	51	Found Appropriate
		No. of E-learning modules developed	51	**Found Appropriate**
		No. of new courses added	NA	
		No. of PhD awarded per teacher	NIL IN THIS PERIOD	
	Faculty Profile	No. of PhD scholars enrolled per teacher	01 RKD, 01 AJ+GK, 01 AJ+AKS, 01 DSK+AK 04	Found Appropriate
		No. of consultancy generated per teacher	IN PROGRESS	
		No. of research projects per teacher: i. applied ii. going on iii. completed iv. funding from external agencies (Govt. & Non-govt.)	SEED MONEY Applied 12	Found Appropriate
		No. of teachers awarded national/international fellowship for advance studies/research	NO	
		Bibliometric of publications (Citation index)	YES Record Available	Found Appropriate
		H-index of college publications	YES Record Available	Found Appropriate
		No. of RFs/PostDoc/Research Associates in the department/college	01 research associate	Found Appropriate
		No. of outreach activities per teacher	EDX 17	Found Appropriate
		No. of faculty who have successfully qualified 2 stage ITW requirement	30	Found Appropriate

	Demand Ratio (Applications received Vs. Sanctioned Strength)	Record Available	Found Appropriate
	No. of students involved in extra-curricular activities	54	Found Appropriate
IV. Student Profile & Support	No. of industrial tour/study visits/exhibitions/Internship/Training (Average per batch)	Short term Courses Internship (All B.Tech, B.Sc and MCA Students) Due to covid 19 online training and Internship conducted WIPRO TALENT NEXT INDUSTRIAL TRAINING: 146 students	Found Appropriate
	Record of students who joined Higher education/placed/entrepreneurs/joined civil services	YES Record Available	Found Appropriate
	Use of e-resources in class & outside class	YES ICT	Found Appropriate
	No. of activities College/Department do for improvement in teaching-learning quality enhancement? List some of these.	YES Record Available 08	Found Appropriate
	Student centric & experiential learning methods used	VIRTUAL LAB IIT BOMBAY IMAC Lab AMCAT SPOKEN TUTORIAL IIRS	Found Appropriate
	Students benefited by guidance on competitive exams	YES Record Available	Found Appropriate
	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	Higher Studies:61 BCA to MCA : 57 B.Tech to M.Tech :03 MCA to Ph.D: 01 No. of students qualifying State/National/International level exams like GATE/NET/GMAT/CAT/GRE etc: 02	Found Appropriate
	Average % of students' grievances about evaluation	NO	
V. Activities of the College/Department	MoUs signed	1. TCS	
	No. of active collaborations and activities undertaken (details to be	1. Google 2. Cisco	

annexed)	3. AMCAT 4. IIRS 5. Crackin 6. AMPERE S Energy Solution 7. IBM, 8. Inurture 9. TCS	
No. of consultancy projects and revenue generated	NO	IN PROGRESS
No. of press mentions of the activities (press clippings in records)	YES Record Available	Found Appropriate
No. of Guest Lectures organized i. Industry ii. Sr. Academicians	17	Found Appropriate
No. of workshops conducted on IPR, Industry-Academic Innovative practices	YES 01 Record Available	Found Appropriate
Awards on innovation won by college/teachers/research scholars/students	College: 05 Faculty: 05 Patents: 20 Student Award: 12	Found Appropriate
No. of incubation/start-ups created	IN PROGRESS	
No. of Endowment Chairs in the college	IN PROGRESS	
No. of Conferences/Seminars/Continuing Education programme conducted	12	Found Appropriate
No. of Extension Activities (Details to be annexed)	17	Found Appropriate
Interaction with Industry/ Research Centers/Universities	YES WIPRO TALENT NEXT	Found Appropriate
No .of awards/medals in sports/cultural activities at National/International level	NO DUE TO COVID	
Mechanism for students' grievance redressal *No. of grievances received during last six months *No. of grievances redressed * Av. No. of days for redressal	Proctorial Board and Anti ragging committee exist in the college for redressal of the Students. No. of grievances received during last six months 03 cases No. of grievances redressed 03	Found Appropriate

		Av. No. of days for redressal 3-7 DAYS	
	Newsletters/Magazine published	YES Record Available	Found Appropriate
	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	No. of companies visited during last year 54 Revisited: 10 % of students placed 56.23 Average and highest salary package 3.77 and 10 LPA	Found Appropriate
VI. Scholarships	No. of students received scholarships from government bodies	Jain minority Reservation	Found Appropriate
	No. of students received scholarships from non - government bodies	University Level on the basis of Merit	Found Appropriate
VII. Online Education Delivery	No. of courses delivered through online classes	Record Available	Found Appropriate
	No. of hours spent on online classes/courses	Record Available	Found Appropriate
	No. of programmes taught online	13	Found Appropriate
	No. of assessments and type of assessments conducted online i. Quiz ii. Assignments iii. Panel examination iv. End-semester examination v. Practical	Record Available	Found Appropriate
	No. of webinars delivered to i. Students ii. Faculty	5	Found Appropriate
	No. of faculty delivered webinars	3	Found Appropriate
	No. of online meetings by the college for faculty	02	Found Appropriate
	No. of meetings attended by the Principals at University level		
	No. of online CRC meetings conducted	NO	
	No. of Ph.D. students presented their work on line i. Progress report ii. Pre-thesis presentation iii. Oral Defense of Thesis	(i) 17 (ii) Nil (iii) 01	Found Appropriate
	No. of B.O.S meetings conducted online	Nil	

No. of faculty attended online workshops/conferences/webinars	02	Found Appropriate
Total e-content developed for students	26	Found Appropriate

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

   ➢ 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 theater, computer labs and seminar hall equipped with all ultra-modern facility to impart quality education.
   ➢ Fully dedicated to follow our Vision and Mission.
   ➢ Strong Curriculum
   ➢ Team work of faculty & staff
   ➢ Industrial Collaborations
   ➢ Good Publications
   ➢ Maintaining pace with changing Technology
   ➢ 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
   ➢ Online Journal
   ➢ IEEE Indexed Annual Conference
   ➢

   ii. **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
   ➢ Geographically distant from a large urban area
   ➢ Faculty Student Ratio
   ➢ DST Funded Projects

   iii. **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.

iv. **Challenges:**

> - **Self Competition within TMU Geography**
> - **Lack in Research**
> - **Meritorious Students enrolment**
> - **Unstable human resource in teaching and in non-teaching.**
> - **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.**
> - **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.**
> - **Participation of students in Group Discussions by the members for Communication Wing of college to make them ready to face recruitment process of companies.**
> - **Faculty Development Program, Guest Lectures and Invited Talks for faculty members 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 ,TCS 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/TOYCATHON**
> - **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**
> - **Availability of Value added Courses**
> - **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 on the basis of employer feedback .
- ▶ Our objective is to create best hygiene institution in terms of basic facilities like drinking water, toilets, corridors etc.

8. **Overall Observations & Recommendations**

Signature of Principal-College audited

Signature with names of the Audit Team: