Institute of Engineering and Management

School of UEM, New Town

External Academic Audit Report – July 2025 for IEM, Newtown

1. Name of the Department – Electronics and Communication Engineering

Name of the External Expert:

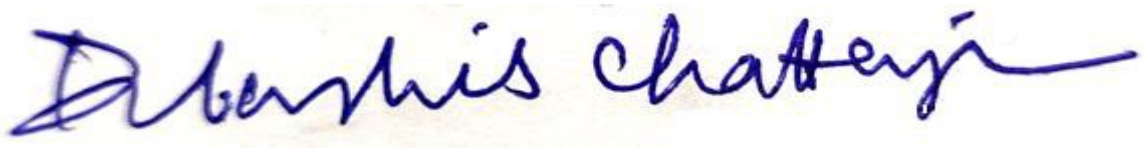
Dr. Debashish Chatterjee
Professor
Department of Electrical Engineering
Jadavpur University

General Observations:

1. Adequate no. of quality faculty members available.
2. Lab space and classroom facilities are satisfied.
3. Functional MOU has been improved.

Desired Improvement:

1. More faculty members should be involved with PhD. Supervision.
2. No. of Publications in quality Journals (Q1) to be improved for more no. of faculties.
3. Needs improvement for consultancy projects.
4. More numbers of external funding for the Projects is necessary. Emphasis on project writing with required focus area is necessary.
5. More Students to be involved for higher education/ competitive exams (GATE/CAT).



Dr. Debashish Chatterjee
Professor
Department of Electrical Engineering
Jadavpur University

Name of the Department – Electronics and Communication Engineering

Action Taken :

Recommendation	Action Taken	VC Sir's Observations
• To have more consultancy work • Need to increase PhD Scholars, with uniform distribution amongst faculty members. • Currently only 1 out of 7 PhD holders have scholars. • Students must be encouraged and supported to qualify in GATE/CAT and other equivalent exams.	• Already, two supervisors are allotted for Ph.D. Supervision. • Faculties have published in Q1, Q2 journals. • Faculties are involved in consultancy projects. • Faculties have applied for 3 externally funded projects i.e. in AICTE, DST ERG program. • Two faculties are associated with students for GATE 2026 examination preparation process and all the faculties continuously inspire the students for persuasion of higher studies.	• Desired improvement suggested by auditors are not addressed in Recommendations • Recommendations and Corresponding Action Taken are not mapped one to one

ACTION TAKEN REPORT OF THE DEPARTMENT MUST BE ENDORSED BY RESPECTIVE HOD

2. Name of the Department – Master of Computer Applications, Computer Science and Engineering, Computer Science and Engineering (Artificial Intelligence and Machine Learning), Internet of Things and Cyber Security including Blockchain Technology

Name of the External Expert:

Dr Jyotsna, Kumar Mandal
Professor, Computer Science and Engineering,
Department of Computer Science and Engineering,
University of Kalyani, Nadia, West Bengal.

The external auditor visited the department and scrutinised the infrastructure, facilities, faculties, placements, vertical upliftment of the students, utilisation of funds, research, and collaborative activities etc.

The following observations and suggestions are made by the External Auditor.

1. The infrastructure, laboratory, teaching methodology and other routine affairs are in regular mode and dissemination is very good. The physical infrastructure is good and may be augmented based on needs and current trends.
2. Moderate research initiatives are seen from all of the departments. Research activities are to be intensified. The publication standard to be benchmarked with minimum Scopus indexed journals and conferences. It is suggested that a state-of-the-art high performance computing system is very much needed for the whole community, particularly for more advance research and state-of-the- art facility for the students
3. Some collaborations are seen for both of the departments. But activities under collaborations are to be intensified. It is suggested that the faculty centric and student centric collaboration activities are to be more.
4. Some faculties are opting for Ph. D. supervision, which is good, but some faculties are not yet registered for Ph. D. degree. This is to be initiated by each such faculty member and they must register for Ph. D. Each and every faculty should engage themselves actively in research in addition to teaching. Faculty members having Ph. D. degree must opt for supervision of Ph. D. scholars.
5. The consultancy activities by the faculty members to be increased.
6. More faculty should be involved in writing and submitting research projects to various funding agencies.
7. Predefined budget expenditure is not seen from the report prepared by the departments. It is suggested that the department may have a defined expenditure budget for each financial year to keep better pace of development.
8. Consolidated book consisting of noted alumnus are to be prepared and same is to be available in the portal to enhance the perceptivity of the institute.
9. The regulation of Ph. D. degree, Master Degree and Undergraduate Degree courses are seemed to be missing from the department or it appears that the stakeholders of the departments are not aware about these institutional regulations. There may be an awareness

programme on these issues. The same is to be done if it is not available and to be posted into the institute portal,

10. The consolidated weighted average of the feedback from the student semester wise seem to be missing from the department as well as from the portal of the Institute. This is suggested to be done which will enhance the perceptive quality of the Institute.
11. The specific criteria for slow and advanced learners though exist, but the administrative notifications are seemed to be missing. This is to be taken care of which will enhance the quality of learning process.
12. Administrative notifications seem to be absent regarding ratification of BOS decision into the Faculty Council and Board of Management. This must be taken care off.
13. The student faculty ratio to be increased.
14. Various criteria of the institutions are existing. These are to be consolidated and to be posted as a billboard and in the web portal for better visibility of the same by the stakeholders.



Dr Jyotsna, Kumar Mandal
Professor, Computer Science and Engineering,
Department of Computer Science and Engineering,
University of Kalyani, Nadia, West Bengal.

Name of the Department – Master of Computer Applications,

Action Taken :

Recommendation	Action Taken	VC Sir's Observations
• Research activities are to be intensified. The publication standard to be benchmarked with minimum Scopus indexed journals and conferences. It is suggested that a state-of-the-art high performance computing system is very much needed for the whole community, particularly for more advance research and state-of-the- art facility for the students	• Publication in Scopus indexed conferences has increased significantly during the last few months. More than 40 papers have been published in Scopus Indexed conferences, as compared to only 3 in the previous year.	• The journal publication and high-performance computing system are not addressed in Action Taken
• Some collaborations are seen for both of the departments. But activities under	• Initiatives will be taken in this line.	• Mention the timeline to deliver collaborative activities. Take early

collaborations are to be intensified. It is suggested that the faculty centric and student centric collaboration activities are to be more.		action on this.
• Some faculties are opting for Ph. D. supervision, which is good, but some faculties are not yet registered for Ph. D. degree. This is to be initiated by each such faculty member and they must register for Ph. D. Each and every faculty should engage themselves actively in research in addition to teaching. Faculty members having Ph. D. degree must opt for supervision of Ph. D. scholars.	• Among the 7 departmental faculty members in the department, 1 faculty is currently having the PhD and remaining registered for Ph.D. After this audit of July 2025, Prof. Aparajita Mukherjee from MCA department has registered herself in PhD. Program.	• Mention the status of progress of registered candidates for PhD programme.
• The consultancy activities by the faculty members to be increased.	• Taken initiative	• Be Specific and write objective statements with time line.
• More faculty should be involved in writing and submitting research projects to various funding agencies.	• This has been discussed in detail among the faculty members. It has to be initiated.	• Faculty need to be guided properly. Mention the target.
• Predefined budget expenditure is not seen from the report prepared by the departments. It is suggested that the department may have a defined expenditure budget for each financial	• The departmental budget has been prepared in consultation with CFO on July 2025. However; a more structured approach of preparing a budget at the beginning of each financial year to be initiated starting from next financial year; that is	• Adequacy of budget and its proper utilization are to be adhered with.

year to keep better pace of development.	2026-27.	
• Consolidated book consisting of noted alumnus are to be prepared and same is to be available in the portal to enhance the perceptivity of the institute.	• Noted alumni details, their current engagement along with their photographs have been displayed in the departmental HOD room as well as in the departmental website. The same will be consolidated in a booklet form going forward.	• Mention the time frame when the booklet will be ready.
• The regulation of Ph. D. degree, Master Degree and Undergraduate Degree courses are seemed to be missing from the department or it appears that the stakeholders of the departments are not aware about these institutional regulations. There may be an awareness programme on these issues. The same is to be done if it is not available and to be posted into the institute portal,	• The regulations are already posted in the institutional portal.	• Please check and confirm.
• The consolidated weighted average of the feedback from the student semester wise seem to be missing from the department as well as from the portal of the Institute. This is suggested to be done which will enhance the perceptive quality	• Periodic students' feedback as initiated by the institution are consolidated and kept in the possession of the departmental repository for analysis and initiation of necessary action, as applicable.	• Students feedback to be collected once in every semester through online platform using appropriate templates. These feedbacks to be analysed, corrective actions to be taken and impact assessment to be

of the Institute.		conducted.
• The specific criteria for slow and advanced learners though exist, but the administrative notifications are seemed to be missing. This is to be taken care of which will enhance the quality of learning process.	• Criteria to identify slow learner and advanced learner are in place. Necessary administrative activities to be initiated.	• What do you mean by Necessary Administrative Activities and who is going to initiate this?
• Administrative notifications seem to be absent regarding ratification of BOS decision into the Faculty Council and Board of Management. This must be taken care off.	• Faculty Council of Science has been established in January 2025. Already two meetings of Faculty Council of Science had been conducted. BOS recommendations had been discussed in Faculty Council and further taken up at Academic Council for syllabus ratification during June 2025.	
• The student faculty ratio to be increased.	• Taken initiation	• Mention course of action with time line
• Various criteria of the institutions are existing. These are to be consolidated and to be posted as a billboard and in the web portal for better visibility of the same by the stakeholders.	• Departmental Website (https://mca.uem.edu.in/) has been prepared and made functional during April-May 2025.	• How do you showcase various criteria of Institution through Departmental website?

ACTION TAKEN REPORT OF THE DEPARTMENT MUST BE ENDORSED BY RESPECTIVE HOD

Name of the Department –Computer Science and Engineering

Action Taken :

Recommendation	Action Taken	VC Sir's Observations
Research activities are to be intensified. The publication standard to be benchmarked with minimum Scopus indexed journals and conferences. It is suggested that a state-of-the-art high performance computing system is very much needed for the whole community, particularly for more advance research and state-of-the- art facility for the students	Our faculty members are currently engaged in pursuing their PhDs, and many of them are now on the verge of submission. Once they complete their doctoral studies, they will be equipped to take on the role of supervising PhD candidates and guiding research projects. As a result, the number of PhD-scholars at our institution will increase concomitantly, strengthening our research environment and enabling enhanced mentoring capacity.	• Mention the status of publication in the scopus indexed journals and conferences. • Mention actions taken or to be taken on High Performance Computing System
Some faculties are opting for Ph. D. supervision, which is good, but some faculties are not yet registered for Ph. D. degree. This is to be initiated by each such faculty member and they must register for Ph. D. Each and every faculty should engage themselves actively in research in addition to teaching. Faculty members having Ph. D. degree must opt for supervision of Ph. D. scholars.		• Faculty specific PhD progress status should be highlighted. • Research Contribution of each faculty to be monitored critically
The consultancy activities by the faculty members to be increased.	We are initiating a structured approach to implement consultancy activities on a **department-wise basis**, enabling each academic unit to engage directly with industry, government and society through their domain expertise.	• Mention time line to attain the goal.
More faculty should be involved in writing and submitting research projects to various funding agencies.	Our department has witnessed a **substantial increase in the number of research projects** funded by our university recently. This surge reflects our strengthened commitment to expanding scholarly activity beyond teaching, and enables faculty and students alike to engage 6in meaningful, high-impact work. T7he increased volume of projects is already contributing to enhanced research visibility, improved collaboration opportunities, and	• Mention status of externally funded research projects categorically. • Mention how many proposals have been approved against submission for external funding. • Details of externally funded projects to be submitted.

	a richer environment for innovation and learning. Total 32 projects have been submitted	
Predefined budget expenditure is not seen from the report prepared by the departments. It is suggested that the department may have a defined expenditure budget for each financial year to keep better pace of development.	Budget expenditure is centrally managed by the Finance Department, which holds the overarching responsibility for coordinating, approving and monitoring all departmental spending.	• Each department should prepare their own budget which should be adequate and % utilization of budget should be good
Consolidated book consisting of noted alumnus are to be prepared and same is to be available in the portal to enhance the perceptivity of the institute.	Work is in progress on a consolidated alumni book that will compile key details of our noted alumni under the guidance of the Alumni Association and the Gymkhana, operating under the guidance of the Dean. This volume will document distinguished alumni achievements, their contributions, affiliations and profiles, and will serve as both a historical record and a networking resource for current students, faculty and former students.	• Mention the timeline to publish the booklet
The regulation of Ph. D. degree, Master Degree and Undergraduate Degree courses are seemed to be missing from the department or it appears that the stakeholders of the departments are not aware about these institutional regulations. There may be an awareness programme on these issues. The same is to be done if it is not available and to be posted into the institute portal,	All regulations for the PhD, Master's and Undergraduate degree courses are maintained centrally by the institution. Once these regulations are drafted, they are reviewed and confirmed through the relevant stakeholders, the Academic Council and Deans, prior to publication.	• Please check and confirm
The consolidated weighted average of the feedback from the student semester wise seem to be missing from the department as well as from the portal of the Institute. This is suggested to be done which will enhance the perceptive quality of the Institute.	Is in action.	• Need to be completed
The specific criteria for slow and advanced learners though exist, but the administrative notifications are seemed to be missing. This is to be taken care of which will enhance the quality of learning process.	Is in action	• Mention the expected date of notification.
The student faculty ratio to be	There is a **severe shortage of**	• Mention the time

increased.	**faculty**, with the current faculty-to-student ratio standing at **1:102. Waiting for new recruits from the HR Department.**	frame to improve the Student Faculty Ratio (SFR) through strategic action plan
Various criteria of the institutions are existing. These are to be consolidated and to be posted as a billboard and in the web portal for better visibility of the same by the stakeholders.	Has ben informed to the concerned team.	• Mention the various criteria of the institution where the information will be uploaded.

ACTION TAKEN REPORT OF THE DEPARTMENT MUST BE ENDORSED BY RESPECTIVE HOD

Name of the Department –Computer Science and Engineering (Artificial Intelligence and Machine Learning)

Action Taken :

Recommendation	Action Taken	VC Sir's Observation
• Research activities are to be intensified. The publication standard to be benchmarked with minimum Scopus indexed journals and conferences. It is suggested that a state-of-the-art high performance computing system is very much needed for the whole community, particularly for more advance research and state-of-the- art facility for the students.	• Research activity is closely monitored to ensure the quality of publications. Faculty are advised and guided to focus solely on Scopus-indexed journals and conferences. A significant number of papers have already been submitted or presented at various indexed conferences or journals. The High-Performance Computing (HPC) system, namely SATYAMEBA has already been installed to support advanced research.	• Need to be showcased to auditors with documentary evidence. • The number of papers submitted or presented at various indexed conferences or journals are to be mentioned.
• Some collaborations are seen for both of the departments. But activities under collaborations are to be intensified. It is suggested that the faculty centric and student centric collaboration activities are to be more.	• Faculty- and student-centric collaboration initiatives implemented, including joint workshops, guest lectures, internships, Study Abroad Programs and Faculty Development Programs (FDPs). Study Abroad Programs were conducted collaboratively with the	• Need to be showcased to auditors with documentary evidence • All the attainment mentioned over here should be quantified

	National University of Singapore and the Asian Institute of Technology, Thailand. AIT, Thailand, assisted in organising FDP and conferences. Active collaboration on projects with Jadavpur University and the University of Calcutta. Students in their fourth year have participated in an internship at the Indian Institute of Science Education and Research, Thiruvananthapuram. Incentives are provided to faculty members to encourage their participation in collaborative research projects and to support publications in reputable journals.	properly.
• Some faculties are opting for Ph. D. supervision, which is good, but some faculties are not yet registered for Ph. D. degree. This is to be initiated by each such faculty member and they must register for Ph. D. Each and every faculty should engage themselves actively in research in addition to teaching. Faculty members having Ph. D. degree must opt for supervision of Ph. D. scholars.	• A circular mandating Ph.D. registration for all eligible faculty has been issued. Internal mentoring sessions are held to help faculty identify research areas and supervisors. Faculty with Ph.D. are encouraged and approved to take on research supervision roles	• Quantify the number of faculty with and without Ph.D. • How many faculty have not yet enrolled for PhD and what actions have been taken to enhance the number? State it clearly.
• The consultancy activities by the faculty members to be increased.	• Initial discussions have been held with two organisations regarding consultancy, and the official process is underway.	• Mention categorically the name of two organizations and nature of consultancies
• More faculty should be involved in writing and submitting research projects to various funding agencies	• Initiation has taken place in this regard, with one proposal submitted to the SERB and another two submitted to the West Bengal State Council of Science & Technology during this cycle..	• Mention the name of the research project proposals and date of submission.
• Predefined budget expenditure is not reflected in the reports prepared by the departments. It is suggested that the	• The annual departmental budget planning process has commenced in liaison with the Account section.	• Adequacy of budget and its proper utilization are to be adhered

department should establish a defined expenditure budget for each financial year to maintain better progress in development.		with.
• Consolidated book consisting of noted alumnus are to be prepared and same is to be available in the portal to enhance the perceptivity of the institute.	• A 'Distinguished Alumni Directory" compilation is underway, managed by Gymkhana coordinator Prof. (Dr.) Susmita Mukherjee. Alumni members from various MNCs regularly deliver motivational talks. Additionally, the first batch of CSE (AI & ML) graduates in 2024. The alumni of this batch are relatively new to attaining notable positions in their field.	• Mention the expected date of publication of the book.
• The regulation of Ph. D. degree, Master Degree and Undergraduate Degree courses are seemed to be missing from the department or it appears that the stakeholders of the departments are not aware about these institutional regulations. There may be an awareness programme on these issues. The same is to be done if it is not available and to be posted into the institute portal.	• Updated regulatory documents have been uploaded to the institutional website and circulated among faculty and students via WhatsApp	
• The consolidated weighted average of the feedback from the student semester wise seem to be missing from the department as well as from the portal of the Institute. This is suggested to be done which will enhance the perceptive quality of the Institute.	• Feedback is accepted in accordance with the form provided by the Vice Chancellor's office. Semester-wise consolidated reports were prepared and shared with the office of the Vice Chancellor for review, aiming for continuous quality improvement.	• Consolidated weighted average of the feedback has been incorporated now?
• The specific criteria for slow and advanced learners though exist, but the administrative notifications are seemed to be missing. This is to be taken care of which will enhance the quality of learning process.	• Based on the results of Term I, slow learners are identified, and a notice is issued to inform all stakeholders about the academic support measures available for both slow learners. Mentorship and remedial programs are scheduled for each semester.	
• Administrative notifications seem to be absent regarding ratification of BOS decision into the Faculty Council and	• Regular ratification of BOS decisions is ensured through the Faculty Council and the Board of Management.	

Board of Management. This must be taken care off.	Administrative notifications are issued for all approved academic changes	
• The student faculty ratio to be increased	• Recruitment proposals submitted for additional faculty positions to maintain ideal ratios as per AICTE norms. We recruit quality faculty members regularly to maintain the ratio.	• To be monitored regularly to take appropriate actions.
• Various criteria of the institutions are existing. These are to be consolidated and to be posted as a billboard and in the web portal for better visibility of the same by the stakeholders.	• All institutional criteria are consistently followed in daily activities.	

ACTION TAKEN REPORT OF THE DEPARTMENT MUST BE ENDORSED BY RESPECTIVE HOD

Name of the Department – Internet of Things and Cyber Security including Blockchain Technology

Action Taken :

Recommendation	Action Taken	VC Sir's Observation
• Immediate recruitment of faculties and technical assistants	• 2 Faculty have been recruited in between this period and 1 Guest Faculty has been appointed with the Dept. to take care about the class loads**.** Faculty count has been updated to 15 as the figure was 12 earlier. SFR has improved, 1: 36 now and earlier it was 1: 42. Waiting for few newer recruits from the HR Department.	• Mention fix timeline with appropriate actions to improve SFR significantly

ACTION TAKEN REPORT OF THE DEPARTMENT MUST BE ENDORSED BY RESPECTIVE HOD

3.Name of the Department –Department of Law

Name of the External Expert:

Professor (Dr.) Subir Kumar Roy
Professor & Head ,Department of Law, AND
Chairman, Equal Opportunity Cell &
Former Registrar (Officiating), Bankura University

Findings and recommendations considering the existing academic status of the Department of Law in New Town Sector, University of Engineering and Management, Kolkata

1. Though, the UEM provides the sufficient infrastructure within its campuses to run the Programme on Law but as per the norms of BCI, it requires separate building to run the programmes on Law with adequate infrastructure like separate library, Classes with proper ICT facilities and smart boards.
2. As the University is going to introduce LL.M. from the current Academic Year and also runs Ph.D. programme in Law, must have to employ at least One more Professor, Associate Professors and some more Assistant Professors.
3. The department has the potential to run 5 Years B.A. LL.B. (Hons.) Programme.
4. The department should strive and apply for the NIRF ranking
5. The Placement Cell of the University should provide adequate attention towards the placement of law students.
6. The publication of articles in Scopus and other peer reviewed journals, books, newsletters etc. are very appreciative and encouraging for the exploration of research and development but the faculty members should be encouraged to apply for funded projects.
7. The department has the appreciable international collaborations and networking but should ink for more functional MOUs
8. To enrich the research and development and to inculcate true academic environment it must provide the UGC pay scale and other facilities to the faculty members.
9. Should monitor for timely approval from the BCI and other regulatory agencies, if required.
10. The department should pay more attention and thrust for remedial classes, mentorship, bridge courses and also innovate the proper mechanism for the proper nurturing of slow and advance learners.
11. The existing IPR Cell and Sustainability Cell should organise more outreach and extension activities in the neighbourhood community.
12. The department may think for generating fund through consultancy services.
13. Though, the department provides the opportunity to the students for moot court competition, to participate in seminars, workshops etc. but it is advised to engage them in internship programmes, court visits etc. in adequate numbers.
14. The department should organise adequate number of Legal aid and awareness programmes.



Professor (Dr.) Subir Kumar Roy
Professor & Head ,Department of Law, AND
Chairman, Equal Opportunity Cell &
Former Registrar (Officiating), Bankura University

Name of the Department – LAW

Action Taken :

Recommendation	Action Taken	VC Sir's Observation
• A separate building for Law with a dedicated library, ICT-enabled classrooms, and smart boards as mandated by BCI.	• Work initiated to allocate a separate building along with the law library space; procurement list for additional books and e-resources is under review	• Mention the expected time line when the new building will be under possession.
• Recruitment of at least one Professor, Associate Professors, and additional Assistant Professors.	•Advertisements are published for recruitment and the process has started. •Guest faculty/eminent advocate's panel prepared for internal academic support.	
• Department has the potential to offer BA LL.B. (Hons.).	•Recommendation is still under consideration	• Mention the time line for introduction, of Hons course
• Department should strive for NIRF participation	•Previous three years' data on publications, placements, outreach, student strength, and teaching-learning processes has compiled. •Target set to participate in NIRF 2025 Law Category.	
• University Placement Cell should prioritise law students.	•Pre-placement training sessions designed on CV building, drafting skills, communication skills, and interview readiness	• Placement Cell to be activated.
• Faculty should apply for funded research projects	•Proper guidance has been given to the faculty members and students to identify potential themes for applying	• When and how to make it outcome driven?

	to ICSSR and UGC. •A mentor group is suggested to be formed under senior faculty for proposal writing support.	
• Expand functional international collaborations and MoUs.	•Review of existing MoUs completed; activity calendar prepared for each. •Initiatives underway for joint research publications and exchange webinars.	
• Provide UGC pay-scale and facilities to enrich academic culture.	•Recommendation is still under consideration	
• Monitor approval processes regularly	•Regular communication maintained with regulatory authorities for timely approvals and the approved up to 2025-26.	
• Stronger focus on slow and advanced learners.	•Remedial classes started for slow learners in core areas.	
• Organize more extension and outreach activities.	•Visits to National Green Tribunal, National Judicial Academy, Calcutta High Court and many other places have taken place.	
• Explore consultancy as a revenue source	•Faculty encouraged to undertake individual and departmental consultancy assignments	• Any outcome?
• Engage students in internships, court visits, seminars, workshops in adequate numbers.	•Court visit schedule prepared for District Court, High Court, and Tribunals. •Participation in seminars/workshops made mandatory for professional development credits.	
• Organize regular legal aid and awareness activities.	•Collaboration initiated with District Legal Services Authority for joint programmes.	• When to initiate the activities?

The Department of Law has undertaken significant steps to address all recommendations of the External Report. Continuous monitoring committees have been formed for infrastructure, regulatory compliance, research, placements, and academic enhancement to ensure complete implementation within the 2025–26 academic year.

ACTION TAKEN REPORT OF THE DEPARTMENT MUST BE ENDORSED BY RESPECTIVE HOD

4.Name of the Department –Hotel Management

Name of the External Expert:

Prof. Bonophool Banerjee
Former H.o.D
IHM Taratala ,Kolkata

Strengths

- Separate campus
- Strong corporate ties, aiding industry exposure and placements
- Excellent location for **Food & Beverage** ventures
- Financial support from the university for growth and expansion
- **MoUs** with corporates for Learning & Development programs
- Established placement record with scope for **international placements**
- First institute in **Eastern India** to incorporate **AI & ML in Hospitality**
- Opportunity for students to earn certifications from platforms like **Coursera & LinkedIn Learning**
- Industry-focused curriculum with **experiential learning opportunities**
- Strong **faculty** with diverse industry expertise

Weaknesses (Areas of Improvement)

- **Low student intake** (31 in first year, 45 in second, 27 in third)
- **Course duration** (4 years vs competitors' 3-year programs)
- Limited **foreign excursions** despite industry norms
- Need for more **year-round marketing** activities
- Lack of **dual-degree programs** with foreign universities
- Limited student **engagement activities** beyond coursework
- External **Food & Beverage outlet** yet to be implemented
- Need for **conference** on Hospitality & Tourism to strengthen industry connections

Opportunities

- Increasing demand for **AI & ML integration** in Hospitality
- Expansion into **start-up placements** within hospitality sectors
- Enhanced **foreign collaborations** for curriculum and student mobility
- Greater focus on **solo marketing efforts** targeting wider demographics
- **Dual-degree program** partnerships for global competitiveness

- Rising interest in **certification programs** that boost employability
- Leveraging **social media marketing** to improve brand outreach
- Strengthening **alumni network** for better placement and mentorship opportunities
- Industry-led **workshops & training** for practical exposure

Threats

- Competitors offering **shorter course durations** attracting students
- Other institutes actively providing **foreign excursions**
- Increasing industry preference for **skill-based certifications** over degrees
- Potential challenge in **student retention & intake improvement**
- Evolving market demands requiring constant curriculum updates
- Regulatory changes in **higher education** affecting funding and programs

Recommendations

- **Required two more well equipped Kitchen Labs, One dedicated Bakery & Confectionary Lab, One well organised Mock restaurant, Dedicated Front office and Housekeeping Lab with one/two Hotel Guest Room for practice.**
- **Review admission criteria** for wider accessibility
- **Strong digital marketing & outreach** throughout the year
- **Implement an external Food & Beverage outlet** to create revenue streams.
- **Audit format and the parameters in the evaluation sheet do not align with the department's requirements.**
- **Strengthen placement initiatives** with hospitality start-ups
- **Launch dual-degree programs** with global university partnerships
- **Increase student engagement** through networking events, conferences, and workshops
- **Refine recruitment strategies** to improve intake numbers
- **Introduce industry mentorship programs** to bridge academic and corporate expectations
- **Enhance scholarship opportunities** to attract diverse talent

Prof. Bonophool Banerjee
Former H.o.D
IHM Taratala ,Kolkata

Name of the Department – Hotel Management
Action Taken :

Recommendation	Action Taken	VC Sir's Observation
• Two additional well-equipped kitchen labs, one Bakery & Confectionery Lab, one Mock Restaurant, and dedicated Front Office & Housekeeping Labs with guestrooms.	• Proposal for new laboratory development has been submitted to the university administration. • Space identification for the Bakery & Confectionery Lab and Mock Restaurant completed at Aegis building. • Initial budgeting process has begun, and vendor quotations are being collected for equipment procurement.	• When you propose to complete installation of infrastructure?
• Review admission criteria and refine recruitment strategies	• Revised admission guidelines drafted to increase accessibility for diverse applicants. • Additional school outreach programs and city-level awareness drives have been initiated. • Dedicated admissions team strengthened for focused lead management and follow-ups.	
• Year-round digital marketing for better visibility.	• A 12-month digital marketing calendar has been prepared. • Social media presence enhanced via targeted campaigns, reels, student stories and event promotions. • Updated department website content to highlight AI & ML integration and	

	placement achievements.	
• Establish an external F&B outlet for revenue generation and practical exposure.	• Feasibility study completed and location finalized within the campus. • Financial proposal submitted to management for approval and setup. • Menu planning and branding concepts prepared by faculty and students.	
• Modify parameters to align with departmental requirements.	• A revised audit format has been drafted with department-specific criteria. • Communicated to the IEM Principal Prof. (Dr.) Arun Kumar Bar.	
• Strengthen placement avenues including hospitality start-ups.	• New collaborations initiated with hospitality start-ups in Kolkata and Bengaluru. • Corporate talks, HR meets and pre-placement workshops scheduled for the ongoing semester. • Alumni network activation underway for additional placement channels.	• Mention Names of collaborators • Need to be stated objectively with timeline
• Launch dual-degree programs to enhance global competitiveness.	• Discussions started with universities in Thailand and Malaysia for academic collaborations.	• Any timeline decided for implementation of dual degree programme?
• More events, conferences, and workshops to boost engagement.	• Monthly industry-led workshops implemented as part of the academic calendar. • Student clubs (Culinary Club, Tourism Club, Service Excellence	

	Club) activated.	
• Introduce industry mentorship programs	• Industry Mentorship Cell formed with 12 senior professionals from hotels and tourism sectors. • Students assigned mentors for career guidance, project reviews, and interview preparation.	
• Enhance scholarship opportunities.	• Alumni Scholarship Introduced.	

ACTION TAKEN REPORT OF THE DEPARTMENT MUST BE ENDORSED BY RESPECTIVE HOD

5. Name of the Department: BIOTECHNOLOGY

Name of the External Expert:

Professor (Dr.) Jaya Bandyopadhyay
Department of Biotechnology Maalaaa Ahal Kalam Aud University of Technology

1.Compliance of Earlier Audit Observations

While most of the previous audit observations have been addressed, some key recommendations, particularly those related to laboratory infrastructure, remain in progress. Timely completion is essential to ensure full readiness before the NBA visit in July 2025.

2.Curriculum

The curriculum is updated periodically with inputs from the BOS and industry experts. However, the mechanism for incorporating feedback from alumni and current employers could be more structured. While the inclusion of AICTE 2022 model components and computer-aided courses is appreciated, the integration of practical exposure and interdisciplinary electives could be further enhanced. Courses under the Essential Studies for Professionals (ESP) module have been incorporated, which broadly align with topics from the Biotechnology GATE syllabus. While this initiative supports student preparedness for higher studies, a more structured mapping of ESP content with GATE objectives, along with performance tracking, would enhance its effectiveness and measurable impact.

3. Faculty Recruitment Against Sanctioned Posts

The department currently has 2 Professors and 4 Associate Professors against the sanctioned posts, which is adequate in number. However, there is a need to strengthen faculty diversity in

specialization areas and consider recruitment of Assistant Professors to enhance teaching and research capacity, especially for undergraduate mentoring.

4. **Publications**

The department has demonstrated commendable research activity, with a high volume of publications: 41 peer-reviewed journal articles and 21 book chapters by faculty, and 24 journal articles and 9 book chapters by students. While the quantity is notable, there is a need to prioritize quality over volume. Emphasis should be placed on publishing in high-impact, indexed journals, even if it requires reducing the overall number of publications. This shift will enhance the department's research visibility and academic credibility.

S. **Other Activities**

Faculty members have actively participated in academic activities, including attending 12 FDPs, organizing 3 FDPs, conducting 15 events, 2 workshops, and 5 distinguished talks, along with hosting the international conference Biospectrum 2025. The department also published its magazine Bioscope and two volumes of its journal AJABTR. While these initiatives reflect enthusiasm and engagement, there is a need to enhance the academic rigor, visibility, and collaborative value of such activities. Participation in high-tier conferences and increased inter-institutional or industry linkages are recommended. On the student front, although 5 awards, I startup initiative, and 2 student chapter events were reported, these should be strategically nurtured with sustained mentorship and measurable follow-up to ensure long-term impact.

6.**Placement and Higher Studies**

The 97% placement/higher studies figure is commendable. However, detailed tracking of student progression, employer feedback, and alignment of skill development with placement trends will add long term value.

7.**Enrolment Against Sanctioned Intake**

I 00°/o enrolment in 2024 reflects positively on the department's academic appeal. However, sustained efforts are needed to maintain quality alongside quantity, through improved branding and outreach at the pre-admission stage.

8.**PhD Supervision**

All faculty members, except one, are actively engaged in PhD supervision, which reflects strong research involvement.

9.**Tangible Outcomes from MOUs**

This remains a weak area. Despite the existence of several MOUs, their tangible outcomes, such as internships, research collaborations, or joint events, are somewhat limited. Regular monitoring and revision of MOU objectives and deliverables is recommended.

10.Utilization of Funds

Fund utilization is broadly satisfactory; however, there is room for improvement in planning and documentation. Additionally, increased institutional support is recommended to strengthen laboratory facilities, especially to meet the growing needs of practical coursework and research activities.

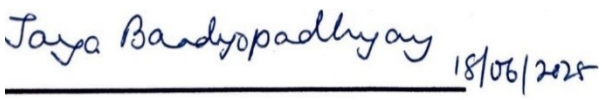
11.Project Proposals (Submitted and Received)

Faculty members have shown initiative in securing internal funding through the UEM Grant-in-Aid scheme and in submitting proposals to external agencies. Nevertheless, conversion of external proposals to funded projects is still limited and must be prioritized. Faculty development on grant writing and collaboration with national research bodies is advised.

Conclusion and Recommendations

The audit committee appreciates the department's efforts in academics and research. Key strengths include a high placement/higher studies rate, good publication numbers, and active academic events. Curriculum updates and faculty participation in FDPs and conferences are also positive.

However, some areas need attention. Lab infrastructure should be completed before the NBA visit. 1be department should work on getting better results from MOUs and focus more on externally funded research. Faculty with varied specializations and higher-quality publications are also recommended. These steps will help the department grow and improve further



Professor (Dr.) Jaya Bandyopadhyay
Departme■t **of Bioteclanology** Maalaaa Ahal **Kalam Aud** University of Technology

Name of the Department – BIOTECHNOLOGY

Action Taken :

Recommendation	Action Taken	VC Sir's Observation
• Completion of upgradation of laboratory infrastructure	• It is completed	
• Feedback from alumni and current employers should be taken • Structured mapping of ESP content with GATE objectives along with performance tracking should be done	• Feedback from all different stakeholders is taken regularly • ESP curriculum has been mapped with GATE syllabus	
• Participation in high-tier conferences and increased inter-institutional or industry linkages were	• MOU has been initiated with industry to work in collaboration	• Mention the name of collaborators and date of signing the MOU.

recommended.		
• Regular monitoring and revision of MOU objectives and deliverables were recommended	• It is under progress	• Subjective statement should be avoided
• Conversion of proposals submiited to external agencies to funded projects is limited	Efforts to secure projects from external funding agencies is under progress • Two AICTE fellow grants has been received in the department.	• This is an area of weakness. Need immediate Proactive measures • Mention the details of AICTE grants received

ACTION TAKEN REPORT OF THE DEPARTMENT MUST BE ENDORSED BY RESPECTIVE HOD

6. **Name of the Department: Basic Science and Humanities**

Name of the External Expert:

Dr. Debashish Chatterjee
Professor
Department of Electrical Engineering
Jadavpur University

Prof. Dr. Arnab Halder
Professor & HOD, Department of Chemistry, Presidency University

General Observations:

1) Adequate number of quality faculty members are actively involved for the Department.

2) Number of approved patents are satisfactory.

3) Lab space and classrooms facility are satisfactory.

Desired Improvement Area:

1. Development of research facilities is required to encourage the faculty members in research so that they can take more PhD students and publish more quality research publications (Q1+Q2).

2. Faculty members should be involved to bring external research funds.

3. Recruitment of more laboratory support staff is essential for the smooth running of practical classes.

4. More emphasis should be given for consultancy project.

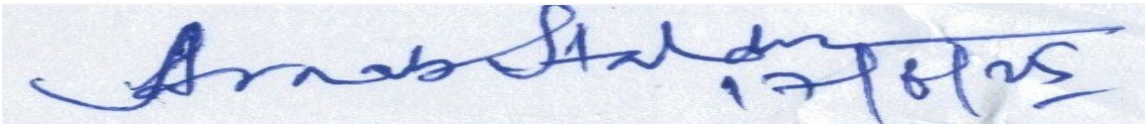
5. Installation of AC for computer laboratory is essential.

6. Infrastructural development with added separate laboratory is required to attract more PhD students.

7. At least chemistry lab and other lab should be equipped with smoke detectors for safety.

8.





Dr. Debashish Chatterjee
Professor
Department of Electrical Engineering
Jadavpur University

Prof. Dr. Arnab Halder
Professor & HOD, Department of Chemistry, Presidency University

Name of the Department - Basic Science and Humanities

Action Taken :

<table>
<tr><th>Recommendation</th><th>Action Taken</th><th>VC Sir's Observation</th></tr>
<tr><td>• Enhancement of Research Facilities</td><td>• In response to the auditor's recommendation to strengthen research infrastructure, several advanced instruments and devices have been procured and installed. These include a UV–Visible Spectrometer, 2 high-performance GPUs, a 3D Printer, 14 high-configuration computers, microwave and ultrasonic bath, and a centrifuge machine, significantly enhancing the department's research capabilities.</td><td></td></tr>
<tr><td>• Externally Funded Projects</td><td>• Acting upon the suggestion to increase involvement in externally funded research, faculty members have initiated the process of applying for external funding. Additionally, they are actively engaged in internally funded grant-in-aid research projects to strengthen their research portfolios</td><td>• How many such proposals have already been sent to funding agencies so far?</td></tr>
<tr><td>• Laboratory Support Staff</td><td>• The auditor's observation regarding support manpower has been addressed. As the existing laboratory facilities are adequately managed, no additional support staff is currently required.</td><td>• Need to reassess to fulfill regulatory norms; if any</td></tr>
<tr><td>• Consultancy Projects</td><td>• In alignment with the recommendation to increase consultancy activities, the department presently has five ongoing/completed consultancy projects. Details are as follows:
<table>
<tr><th>faculty_name</th><th>company_name</th><th>order_amount</th><th>date_of_order</th><th>activity_status</th></tr>
<tr><td>Dibakar Adhikary</td><td>C.E. Testing Company Pvt. Ltd.</td><td>75284</td><td>01-09-2025</td><td>Completed</td></tr>
<tr><td>Dibakar Adhikary</td><td>C.E. Testing Company Pvt. Ltd.</td><td>23364</td><td>01-28-2025</td><td>Completed</td></tr>
<tr><td>Dibakar Adhikary</td><td>C.E. Testing Company Pvt. Ltd.</td><td>19470</td><td>09-16-2025</td><td>Completed</td></tr>
<tr><td>Dibakar Adhikary</td><td>C.E. Testing Company Pvt. Ltd.</td><td>14278</td><td>10-23-2025</td><td>Completed</td></tr>
<tr><td>subrata saha</td><td>WorldFish</td><td>212000</td><td>09-10-2025</td><td>Ongoing</td></tr>
</table></td><td></td></tr>
<tr><td>• Installation of AC in Computer Laboratory</td><td>• Responding to the recommendation for improved laboratory ambience, air-conditioners have been installed in all laboratories, including the computer laboratory, ensuring a suitable environment for academic and research activities</td><td></td></tr>
<tr><td>• Establishment of a Separate</td><td>• As advised, the creation of a dedicated laboratory space is currently under process, and related administrative and infrastructural</td><td></td></tr>
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Research Laboratory	procedures are underway.	
• Installation of Smoke Detectors	• To strengthen safety compliance, the department has acted on the recommendation by placing orders for smoke detectors, and the procurement process is in progress	