



Aliah University

Mechanical Engineering Department

Academic Audit

2020-2021

The Academic Audit process of Aliah University focuses on four key functional areas:

1. Academic Management
2. Academic Practices
3. Infrastructure and supportive facilities
4. Initiatives and Supplementation

Academic Management

Information about HOD/ HOD (Officiating)

1] Name: **Dr. Shamim Haidar**

2] Designation: Associate Professor

3] Qualification: Ph D

4] Teaching experience (in years): 17 years

5] Industry experience (if any in years): NIL

6] Number of teaching hours per week: 18

7] Number of Research Projects/Publications/ Study material developed during
The academic year (provide list in separate sheet): 4 International Journal Paper

- (1) R Haque, M Sekh, G Kibria, S Haidar, "Improvement of surface quality of ti-6al-4v alloy by powder mixed electrical discharge machining using copper powder" FactaUniversitatis Series Mechanical Engineering, April, 2021 Doi:.org/10.22190/FUME201215042H
- (2) Z Seikh, S Haidar et al, "Density, hardness and wear responses of aluminium-copper-magnesium alloys", May 2021,Materials Today: Proceedings , doi: 10.1016/j.matpr.2021.04.318
- (3) R Haque, M Sekh, G Kibria, S Haidar, "Comparative study of parametric effects on the performance of simple and powder mixed EDM using aluminium and graphite powder on Inconel X750 alloy", April 2021,Materials Today: Proceedings10.1016/j.matpr.2021.03.419
- (4) R Haque, M Sekh, G Kibria, S Haidar, "Enhancement of Surface Quality of AISI-D3 Steel after Electrical Discharge Machining (EDM) with Aluminium Powder Mixed in the Dielectric"July 2020; International Journal of Engineering and Advanced Technology; doi: 10.35940/ijeat.A2244.109119

8] Contribution to enrich quality of teaching-learning during the academic year:

(Seminars/Workshops/lectures/field visits organized): NIL

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
BOS	Chairman	Preside over the curriculum building process
Departmental Purchase Committee	Chairman	Initiate and finalize purchase process

10] Other responsibilities (Please specify, add rows if required):

1	Prepared Time Table

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	
2	

Saidar
9/7/21

Information about Teaching Members (to be filled by individual Teaching member)

1] Name: Amitava Dutta

2] Designation: Assistant Professor

3] Qualification: M. Tech

4] Teaching experience (in years):16 years

5] Industry experience (if any in years): NIL

6] Number of teaching hours per week: 22hrs (Including lectures, tutorials, laboratory classes and project supervisions)

7] Number of Research Projects/Publications/
Study material developed during

The academic year (provide list in separate sheet):

1. I declare that I have developed the study materials of UG subjects (fluid mechanics & fluid machinery) and PG subjects (advanced fluid mechanics and advanced heat transfer) in academic year 2020-2021: I also have updated the Courses/Curriculum Design (UG and PG Course).
2. Published a journal paper on “Microfluidic concentration enhancement of bio-analyte by temperature gradient focusing via Joule heating by dc plus ac field: a numerical approach”
Journal Name: Int. Journal of thermal science and engineering application Date of publication 23/02/2021, 1st and corresponding author

8] Contribution to enrich quality of teaching-learning during the academic year:

(Seminars/Workshops/lectures/field visits organized):

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Departmental Purchase Committee	Member	1. Preparation of various e-tender documents related to purchase of various machineries and instruments in departmental labs.

Board of Studies (Mechanical Engineering department)	Member	1. Discussion in meeting regarding improvement of contents of various subjects and labs.
Space allocation	Member	1. Discussion in meeting regarding allocation and utilization of spaces of Park circus campus.

10] Other responsibilities (Please specify, add rows if required):

1	In-depth discussion on various opportunities (like GATE, PSUs like IOCL, ONGC, NTPC, BHEL, GAIL, integrated M.S. Ph.D. etc) after B.Tech. and/or M.Tech. degree in Mechanical Engineering.
2	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	
2	

Anil Kumar Datta
09/07/21

Information about Teaching Members (to be filled by individual Teaching member)

1] Name: Mukandar Sekh

2] Designation: Assistant Professor

3] Qualification: PhD

4] Teaching experience (in years): 11 Years

5] Industry experience (if any in years): NIL

6] Number of teaching hours per week: 20

7] Number of Research Projects/Publications/Study material developed during The academic year (provide list in separate sheet): 4 Journal Papers

1. Ziyauddin Seikh, Abu Huraira Biswas, Md Kamaruzzaman, Rafiqul Haque, Golam Kibria, Shamim Haidar , Mukandar Sekh, “Density, hardness and wear responses of aluminium-copper-magnesium alloys”, Journal of Materials Today: Proceedings, Volume 47, Part 10, 2021, Pages 2358-2363.
2. Kingshuk Mandal, Mukandar Sekh, Dipankar Bose, Souren Mitra, Soumya Sarkar, “Influence of dielectric conductivity on corner error in wire electrical discharge machining of Al 7075 alloy”, "Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, December 2020, Volume 235, Issue 20.
3. R Haque, M Sekh, G Kibria, S haidar, “Comparative study of parametric effects on the performance of simple and powder mixed EDM using aluminium and graphite powder on Inconel X750 alloy” Materials Today: Proceedings Volume 46, Part 17, March, 2021, Pages 8366-8373
4. R Haque, M Sekh, G Kibria, S haidar, “Improvement of surface quality of Ti-6Al-4V alloy by powder mixed Electrical Discharge Machining using Copper powder”, Facta Universitatis in Mechanical Engineering, March, 2021

5.

8] Contribution to enrich quality of teaching-learning during the academic year:

(Seminars/Workshops/lectures/field visits organized): NIL

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
BOS	member	Implemented the Drafted the modified syllabus by the members

10] Other responsibilities (Please specify, add rows if required):

1	
2	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	Question papers setting, Invigilation
2	Evaluation of Answer Scripts

S.M.P.
09/07/21

Information about Teaching Members (to be filled by individual Teaching member)

1] Name: Dr. Golam Kibria

2] Designation: Assistant Professor

3] Qualification: Ph.D.

4] Teaching experience (in years): 9 year

5] Industry experience (if any in years): NIL

6] Number of teaching hours per week: 22 Hours (including lectures, tutorials, practicals and project supervision)

7] Number of Research Projects/Publications/ Study material developed during The academic year (provide list in separate sheet): One UG level project, two PG level project, one edited book, four book chapter, four journal papers and one international conference paper.

Year	UG Level	PG Level
2020-2021	Study of EDM Optimization using Grey Relational Analysis	Experimentation and Analysis on Characteristics of Fiber Laser Micro Marking on Ti-6Al-4V based on RSM Approach By FensiKhatun Roll No. MEN192014
		Experimental Investigation of Micro-Milling on Magnesium Alloy (AZ31) using Pulsed Fiber Laser By ManjurAktar Roll No. MEN192008

Publication:

(a) Book Edited

1. Advances in Abrasive Based Machining and Finishing Processes, S. Das (Eds.), G. Kibria (Eds.), B. Doloi (Eds.), B. Bhattacharyya (Eds.), Book Series: Materials Forming, Machining and Tribology, Springer Nature Singapore Pte Ltd, 2020, eBook ISBN 978-3-030-43312-3, Hardcover ISBN 978-3-030-43311-6, DOI 10.1007/978-3-030-43312-3.

(b) Book Chapter

1. G. Kibria, I. Shivakoti, S. Das, B. Doloi, B. Bhattacharyya, Introduction to Abrasive Based Machining and Finishing, In: Advances in Abrasive Based Machining and Finishing Processes, S. Das (Eds.), G. Kibria (Eds.), B. Doloi (Eds.), B. Bhattacharyya (Eds.), Book Series: Materials Forming, Machining and Tribology, Springer Nature Singapore Pte Ltd, 2020, eBook ISBN 978-3-030-43312-3, Hardcover ISBN 978-3-030-43311-6, DOI 10.1007/978-3-030-43312-3.
2. S. Das, S. Kumar, G. Kibria, B. Doloi, B. Bhattacharyya, Advancement in Ultrasonic Machining for 3D Profile Cutting, In: Advances in Abrasive Based Machining and Finishing Processes, S. Das (Eds.), G. Kibria (Eds.), B. Doloi (Eds.), B. Bhattacharyya (Eds.), Book Series: Materials Forming, Machining and Tribology, Springer Nature Singapore Pte Ltd, 2020, eBook ISBN 978-3-030-43312-3, Hardcover ISBN 978-3-030-43311-6, DOI 10.1007/978-3-030-43312-3.
3. I. Shivakoti, G. Kibria, B. B. Pradhan, A. Sharma, Experimental Investigation and Fuzzy-Based Modeling of Micro-EDM Process Parameters, In: Advances in Greener Energy Technologies, A.K. Bhoi, K.S. Sherpa, A. Kalam, G.S. Chae, (Eds.), DOI 10.1007/978-981-15-4246-6, Print ISBN 978-981-15-4245-9, Online ISBN 978-981-15-4246-6, Springer Nature Singapore Pte Ltd. 2020
4. O. F. Biswas, A. Sen, G. Kibria, B. Doloi, B. Bhattacharyya, Parametric Analysis on Surface Roughness of Micro-channel by Fiber Laser Milling on Zirconia (ZrO₂). In: Li L., Pratihari D., Chakrabarty S., Mishra P. (eds) Advances in Materials and Manufacturing Engineering. Lecture Notes in Mechanical Engineering. Springer, Singapore, 2020, DOI 10.1007/978-981-15-1307-7_10, Print ISBN 978-981-15-1306-0, Online ISBN 978-981-15-1307-7, pp 91-97.

(c) Journal Papers:

1. R. Phipon, I. Shivakoti, K. Kalita, G. Kibria, A. Sharma, R. K. Ghadai, Laser beam micro engraving on silicon carbide, Materials and Manufacturing Processes, Volume 35, Issue 12, 2020, pp. 1372-1382
2. IshwerShivakoti, Golam Kibria, Soham Das, Ashis Sharma, Bal Bahadur Pradhan, and Somenath Chatterjee, Laser surface texturing on Ti-6Al-4V, Materials and Manufacturing Processes, Volume 36, Issue 7, 2021, pp. 858-867.

3. IshwerShivakoti, Golam Kibria, Robert Cep, Bal Bahadur Pradhan, Ashis Sharma, Laser Surface Texturing for Biomedical Applications: A Review, Coatings, 2021, Vol. 11, No. 2, pp. 124.
4. Omar Faruk Biswas, Abhishek Sen, IshwerShivakoti, Golam Kibria, Parametric Influences on Heat Affected Zone in Microchannel Milling Process of Zirconia Ceramic, PeriodicaPolytechnica Mechanical Engineering Vol. 65, No. 2, 2021, pp. 189-196.

(d) International Conference Papers:

1. Shivakoti, I., Pandey, D., Kibria, G., Sharma, A., & Pradhan, B. B. (2020, November). State of the Art: Laser Surface Texturing for Biomedical Applications. In 2020 International Conference on Decision Aid Sciences and Application (DASA) (pp. 473-479). IEEE. DOI: 10.1109/DASA51403.2020.9317267

8] Contribution to enrich quality of teaching-learning during the academic year:
(Seminars/Workshops/lectures/fieldvisitsorganized):

1. Delivered expert lecture title “Laser Micromachining: Fundamental & Research Issues”, One Day Workshop organized by Calcutta Institute of Technology, Howrah on 5 August 2020.
2. Delivered expert Lecture title “Introduction and Research Perspective of Micromachining Processes”, One Day Workshop organized by Regent Education and Research Foundation, Barrackpore on 20 August 2020

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Departmental Research Committee (DRC)	Coordinator	<ol style="list-style-type: none"> 1. Preparation of requisition of admission of PhD students 2. Progress report seminar presentation 3. Interviewing the candidates who qualify written exam as well as AURET exempted candidates 4. Verification of documents of

		PhD candidates before final admission
Board of Studies (Mechanical Engg. Department)	Member	1. Discussion in meeting regarding improvement of contents of various subjects and labs. 2. Discussion of need of faculty (guest / permanent)

10] Other responsibilities (Please specify, add rows if required):

1	Advisements for their future / career in higher studies in India and abroad
2	In-depth discussion on various opportunities (like GATE, PSUs like IOCL, ONGC, NTPC, BHEL, GAIL, integrated M.S. Ph.D. etc) after B.Tech. and/or M.Tech. degree in Mechanical Engineering

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

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2	

Handwritten signature
09/07/21

Information about Teaching Members (to be filled by individual Teaching member)

- 1] Name : Sunny Akhtar
 2] Designation : Assistant Professor
 3] Qualification : M. E.
 4] Teaching experience (in years) : 8yrs
 5] Industry experience (if any in years) : Nil
 6] Number of teaching hours per week : 18

7] Number of Research Projects/Publications/Study material developed during The academic year (provide list in separate sheet) :

8] Contribution to enrich quality of teaching-learning during the academic year: (Seminars/Workshops/lectures/field visits organized) :

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
AICTE Affairs Committee	Convenor	Conducting AICTE approval process
Institute Induction Programme Cell	Member	Conducting Student Induction Program
Board of Studies (Mechanical Engg. Department)	Member	1. Discussion in meeting regarding improvement of contents of various subjects and labs.
Purchase Committee (Electrical Engg. Dept.)	Member	1. Discussion related to purchase of various machineries and instruments for the laboratories in Electrical Engg. Dept.
Purchase Committee (Mechanical Engg. Dept.)	Member	1. Discussion related to purchase of various machineries and instruments for the laboratories in Mechanical Engg. Dept.

10] Other responsibilities (Please specify, add rows if required):

1	Exam-Coordinator ; Academic session: 2020-2021 (December, 2021)
2	Question papers setting, Invigilation and Answer Scripts evaluation
3	Counseled of B.Tech. students in Mechanical Engineering

	for their future / career in various opportunities like GATE, PSUs (like IOCL, ONGC, NTPC, BHEL)/ higher studies like M.Tech., M.S., PhD.
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11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

SK Sharma
09/07/2021

Information about Teaching Members (to be filled by individual Teaching member)

- 1] Name: Mr. Rafiqul Haque
- 2] Designation: Assistant Professor
- 3] Qualification: M.E
- 4] Teaching experience (in years): 14Years
- 5] Industry experience (if any in years): NIL
- 6] Number of teaching hours per week: 22 Hours (including lectures, tutorials, practicals and project supervision)
- 7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet): 3 International Journal Papers and 1 International Book Chapter.

Publication:

Journals:

1. Rafiqul Haque, Mukandar Sekh, Golam Kibria and Shamim Haidar, 'Improvement of Surface Quality of Ti-6Al-4V Alloy by Powder Mixed Electrical Discharge Machining using Copper (Cu) Powder', Facta Universitatis, Series: Mechanical Engineering (FU Mech Eng), <https://doi.org/10.22190/FUME201215042H>, 2021.
2. Rafiqul Haque, Mukandar Sekh, Golam Kibria and Shamim Haidar, 'Comparative Study of Parametric Effects on the Performance of Simple and Powder Mixed EDM using Aluminium and Graphite Powder on Inconel X750 Alloy', Materials Today: Proceedings Journal, Vol. 46, Part 17, pp. 8366-8373, 2021.
3. Ziyauddin Seikh, Abu Huraira Biswas, Md Kamaruzzaman, Rafiqul Haque, Golam Kibria, Shamim Haidar, Mukandar Sekh, 'Density, hardness and wear responses of aluminium-copper-magnesium alloys', Materials Today: Proceedings Journal, Volume 47, Part 10, pp. 2358-2363, 2021.

Book Chapter:

1. Md. Kamaruzzaman, R. Haque, Design and Implementation of a Wireless Robot for Image Processing, Handbook of Research on Advanced Mechatronic Systems and Intelligent Robotics, ISBN 13: 9781799801375, ISBN 10: 1799801373, DOI: 10.4018/978-1-7998-0137-5, pp. 323-344, 2020.

National/International Conference Papers:

- 8] Contribution to enrich quality of teaching-learning during the academic year:
(Seminars/Workshops/lectures/field visits organized):
- 9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Hostel Management Committee (HMC)	Member	1. Acted as Warden of Boy's Hostel, Newtown Campus 2. Actively worked for taking care of the students of Boy's hostel daily life problems

Computer Purchase Committee	Member	Preparation of various e-tender documents related to purchase of Computers and Laptops for our University and also discussed various issues related to <u>computer purchasing</u>
Special Committee for Departmental Laboratories	Member	Looked after the different aesthetics of departmental laboratories equipments
Training & Placement Cell Committee	Member	Looking after the different issues related to placement of our students and also acted as the departmental co-ordinator
Board of Studies (Mechanical Engg. Department)	Member	1. Discussion in meeting regarding improvement of contents of various subjects and labs. 2. Discussion of need of faculty (guest / permanent)
Student's Welfare Committee	Member	Acted as an active member of the Student's welfare related issues.
Aliah University Science and Technology Club (AUSTC)	Convenor	Actively arranging meetings and write the minutes of these meetings.

10] Other responsibilities (Please specify, add rows if required):

1	Preparing question papers for the semester examination and Answer script evaluation
2	Counselled of B.Tech. and M.Tech. students in Mechanical Engineering for their future / career in higher studies in India and abroad
3	In-depth discussion on various opportunities (like GATE, PSUs like IOCL, ONGC, NTPC, BHEL, GAIL, integrated M.S. Ph.D. etc) after B.Tech. and/or M.Tech. degree in Mechanical Engineering

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	Taken remedial classes for the weak students
2	

Rafiq
09/07/2021

Information about Teaching Members (to be filled by individual Teaching member)

1] Name: Dr. Subha Mondal

2] Designation: Assistant Professor

3] Qualification: PhD

4] Teaching experience (in years):14years

5] Industry experience (if any in years):

6] Number of teaching hours per week: 18

7] Number of Research Projects/Publications/ Study material developed during
The academic year (provide list in separate sheet): 2 SCI Journal publications and

Research paper Published:

SCI Journal Paper:

1. **Mondal S, De S** (2020, October) Performance assessment of a low-grade heat driven dual ejector vapour compression refrigeration cycle. Applied Thermal Engineering 179, 115782. <https://doi.org/10.1016/j.applthermaleng.2020.115782>
2. Sahana C, De S, **Mondal S** (2021, May) Integration of CO2 power and refrigeration cycles with a desalination unit to recover geothermal heat in an oilfield. Applied Thermal Engineering 189, 116744. <https://doi.org/10.1016/j.applthermaleng.2021.116744>

8] Contribution to enrich quality of teaching-learning during the academic year:

(Seminars/Workshops/lectures/field visits organized):

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
BOS	Member	Monitoring departmental curriculum and associated activities
Departmental representative in engineering common syllabus curriculum committee	Member	Taken part in formulation of uniform course curriculum
DRC	Member	Monitoring departmental research activity

10] Other responsibilities (Please specify, add rows if required):

1	Preparing question paper and Answer script evaluation
2	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	
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Subha mmd
9/07/21

Information about Teaching Members (to be filled by individual Teaching member)

1] Name: Mr. Shahanwaz Khan

2] Designation: Assistant Professor (Stage I)

3] Qualification: M. Tech.

4] Teaching experience (in years):10 years

5] Industry experience (if any in years): 4 Years

6] Number of teaching hours per week: 22 hrs (Including lectures, tutorials, laboratory classes and project supervisions)

7] Number of Research Projects/Publications/Study material developed during the a

Publications:

International Journal:

Shahanwaz Khan, Rajsekhar Panua, Probir Kumar Bose. The impact of combustion chamber configuration on combustion and emissions of a single cylinder diesel engine fuelled with soybean methyl ester blends with diesel. *Renewable Energy* 2019; 143: 335–351. <https://doi.org/10.1016/j.renene.2019.04.162>.

Shahanwaz Khan, Probir Kumar Bose, RajsekharPanua. Numerical analysis to explore the influence of swirl ratio on combustion and emission of diesel engine. *Proceedings of International Conference on Energy and Sustainable Development*, Jointly organized by Jadavpur University and The Institution of Engineers, India, February 14-15, 2020.

Study material developed:

I declare that I have developed the study materials of UG subjects (Thermodynamics and I C Engines) and PG subjects (Jet Propulsion and Principles of Combustion) in academic year 2020-2021: I also have updated the Courses/Curriculum Design (UG and PG Course).

8] Contribution to enrich quality of teaching-learning during the academic year:
(Seminars/Workshops/lectures/fieldvisitsorganized):

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Anti-Ragging Squad	Jt. Convenor	1. Arrange committee meeting and drafting resolution of meeting which was resolved after threadbare discussion in the meeting.
Board of Studies (Mechanical Engineering Department)	Member	1. Discussion in meeting regarding improvement of contents of various subjects and laboratories.
Institute Induction Programme Cell	Member	1. Organize students' induction programme for newly admitted Engineering students.
Departmental Asset Management Committee	Convenor	1. Arrange committee meeting and drafting resolution of meeting which was resolved during discussion in the meeting.
Purchase Committee (Civil Engineering)	Member	1. Preparation of various e-tender documents related to purchase of various machineries and instruments in Civil Engineering laboratories.

10] Other responsibilities (Please specify, add rows if required):

1	In-depth discussion on various opportunities (like GATE, PSUs such as IOCL, ONGC, NTPC, BHEL, GAIL, integrated M.S. Ph.D. etc) after awarding B.Tech. and/or M.Tech. degree in Mechanical Engineering.
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11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	
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09/07/21

Academic Practices

Academic Practices (for the academic year :2020-2021)

- 1] Total number of teaching-days in the academic year: 180
- 2] Total number of permanent teaching staff: 08
- 3] Total number of permanent teaching staff with PhD: 04
- 4] Number of programmes offered (please specify): B.Tech, M.Tech and PhD
- 5] Number of sanctioned intake of students and Number of actual admissions:

B.Tech	Intake capacity		Actual admission
	Regular	60	
	Lateral	30	29 (28male +1Female)
M. Tech		18	18 (Male)

- 6] How many teaching members have attended Orientation Programme/ Refresher Course/ FDP/ Workshop/ Training Programme/ Research Methodology Course/Capacity Building Programme etc.: 04
- 7] Number of Orientation Programme/ Refresher Course/ FDP/ Workshop/ Training Programme/ Research Methodology Course/ Capacity Building Programme etc. organised by the department: Nil
- 8] Number of Training Programme/ Consultancy offered by the department: Nil
- 9] Number of academic collaborations made by the department: Nil
- 10] Innovative practices (please specify):

Teaching-Learning-Evaluation process (for the academic year: 220-2021)

- 1] Does teaching members participate in course designing? Yes
- 2] Does the department have a structured Board of Studies or Similar academic body to design/ expand/ modify course content? Yes
- 3] Does the programme follow:
 - a. CBCS structure✓
 - b. Elective-based structure✓
 - c. Any other, please specify
- 4] Does the department follow Academic Calendar implemented by the University? Yes
- 5] Use of Teaching-Learning tools/ platforms (Please specify)
 - a. OHP✓

- b. LCD
- c. Interactive Boards
- d. LMS
- e. Any other

6] Use of ICT in Teaching-Learning-Evaluation

- a. e-books
- b. e-journals
- c. research database/ repositories
- d. IT enabled classroom
- e. Online assignment√
- f. Online assessment
- g. Online feedback

7] Weekly class hour per course (average): 35

8] Whether remedial/ tutorial classes included in class routine? Yes

9] Does the programme offered has scope of Internship/ Project/ Field work/ Seminar presentation/ Industrial training? Yes

10] Does the department follow progressive evaluation of students? Yes

11] Number of students appeared and passed in the academic year:

Research output (for the academic year: 2020-2021)

1] Does the department offer MPhil/ PhD/ Post-Doctoral Programme: (Please specify):
M.Tech & PhD programme

2] Number of students/ scholars registered/ enrolled in MPhil/ PhD/ Post-Doctoral Programme
(If the answer to Q1 is yes): 02 PhD

3] Number of publications in refereed & peer-reviewed journals: 12

4] Number of book/ edited-volume/ book-chapter published with ISBN: 1 edited book & 5
book chapter

5] Number of patents registered: Nil

6] Number of revenue generating events (Consultancy, Training Programme,
MDP/ EDP etc.): Nil

7] Number of Seminar/ Conference/ Workshop/ FDP etc organised at
State/ National/ International level: Nil

8] Number of sponsored research projects:
a. Completed
b. Ongoing =1

9] Number of collaborative research projects:
a. Completed
b. Ongoing

10] Any innovative research initiative adopted and implemented (please specify):

Infrastructure & facilities (departmental level)

1] Number of classrooms: 07

2] Number of ICT-enabled classrooms: Nil

3] Number of laboratories: 10

4] Availability of licensed software/ databases: Nil

5] Number of tutorial rooms: Nil

6] Number of seminar halls: Nil

7] Number of rooms for the teaching members: 02

8] Number of computer/ printer/ scanner available:

- a. In laboratory
- b. In teachers' enclosure✓
- c. For Research scholars
- d. For Administrative purpose

9] Whether Internet facility available in classrooms/ laboratory / Teachers' enclosure?
In teacher's enclosure and some specific laboratory

10] Whether reprographic facility available? Yes

11] Number of washroom facility (for male): 04

12] Number of washroom facility (for female): 02

13] Presence of appropriate signage: Yes

14] Barrier free environment ensured? Yes

Initiatives and Supplementation for Students:

1] Whether Mentorship (Teacher-driven) for students is in place? Yes

2] Do the students participate in extra-academic activities and pursue Co-curricular activities? Yes

3] Does the department arrange Industry-visit/ Industrial lecture/Field-trips/ Excursions/ Archeological trips/ Exhibitions etc. for students? Some times

4] Does the department arrange seminars/ workshops/ skill-development programmes etc. for students? Some times

5] Does the department arrange programmes for the students focusing Soft-skill and Personality development? No

6] Does the department have any Student Forum/ Club/ Chapter etc.? No

7] Does the department have a students' feedback mechanism in place? No

8] Are the students provided with Training and Placement support? Yes

9] Do the students receive ICT-based teaching? No

10] Can the students access digital resources offered by the University library? Yes

11] Please indicate the number of students those have qualified for NET/SET/GATE/GMAT/SLET/WBCS/UPSC or any other Competitive Exam (for the specific period): No data is available with the department

12] Please indicate the number of students those have progressed for higher studies (for the specific period): No data is available with the department

13] Please indicate the number of students those were offered placements by the University (for the specific period).

Summary of departmental members

Year	No. of Teacher	No. of Technical Assistant	No. of Office Staff (Group-C)	No. of Office Staff (Group-D)
2019-2020	08	03	Nil	Nil

