

Aliah University

Mechanical Engineering Department

Academic Audit

2017-2018

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. Mukandar Sekh

2] Designation: Assistant Professor

3] Qualification: PhD

4] Teaching experience (in years): 8 Years

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

6] Number of teaching hours per week: 22

7] Number of Research Projects/Publications/Study material developed during the academic year (provide list in separate sheet): 2 Journal Paper, 1 Conference Paper

1. S Haidar, M. Sekh, J Ghose, G Sutradhar, "Frictional Behavior of Aluminium MMC Foam Synthesized Using Dual Foaming Agent; International Journal of Surface Engineering and Interdisciplinary Materials Science; Vol-5, Issue-2, July-2017.

2. Shamim Haidar, Mukandar Sekh, Joyjeet Ghose, "Machinability of Aluminium MMC foam using WEDM process", Journal of Basic and Applied Research International, March 2018 Volume 8 Number 3

3. S Ansary, R Sheikh, M Sekh, M Kamaruzzaman, R Haque, S Haidar, "Tribological Properties of Aluminium Graphite Composite Journal Bearing", presented at National Conference on Advanced Materials, Manufacturing and Metrology (NCAMMM - 2018) held at NIT Durgapur, in February, 2018

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

Organized a National Seminar (PK Nag Memorial Lecture on 20.11.2017 – 21.11.2017

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

Committee Position held Work done/ Activity

BOS Member Partially Drafted the modified syllabus of UG & PG courses

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

1 Question papers setting, Invigilation

2 Evaluations of Answer Scripts

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

| | |
|---|--|
| 1 | |
| 2 | |

SM 08/07/18

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

1] Name Mr. 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: 20hrs (Including lectures, tutorials, laboratory classes and project supervisions)

7] Number of Research Projects/Publications/ Study material developed (during the academic year):

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 2017-2018: I also have updated the Courses/Curriculum Design (UG and PG Course)
2. I declare that I have developed fluid mechanics and fluid machinery laboratory in this academic year.

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 | Positon held | Work done/ Activity |
|--|--------------|---|
| Departmenta l Purchase Committee | Member | 1. Preparation of various e-tender documents related to purchase of various machineries and instruments in departmental labs 2. Preparation of SP1 and SP2, specifications of machines, and pre-bid meeting discussion |
| Board of Studies (Mechanical Engineering 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 | 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 | |
| 2 | |

Anil Kumar Datta
08/07/18

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

- 1] Name: Dr. Shamim Haidar
- 2] Designation: Assistant Professor
- 3] Qualification: PhD
- 4] Teaching experience (in years): 14 Years
- 5] Industry experience (if any in years): NIL
- 6] Number of teaching hours per week: 24
- 7] Number of Research Projects/Publications/Study material developed during the academic year (provide list in separate sheet): 2 Journal Paper, 1 Conference Paper
1. S Haidar, M. Sekh, J Ghose, G Sutradhar, "Frictional Behavior of Aluminium MMC Foam Synthesized Using Dual Foaming Agent; International Journal of Surface Engineering and Interdisciplinary Materials Science; Vol-5, Issue-2, July-2017.
 2. Shamim Haidar, Mukandar Sekh, Joyjeet Ghose, "Machinability of Aluminium MMC foam using WEDM process", Journal of Basic and Applied Research International, March 2018 Volume 8 Number 3
 3. S Ansary, R Sheikh, M Sekh, M Kamaruzzaman, R Haque, S Haidar, "Tribological Properties of Aluminium Graphite Composite Journal Bearing", presented at National Conference on Advanced Materials, Manufacturing and Metrology(NCAMMM - 2018) held at NIT Durgapur, in February, 2018
- 8] Contribution to enrich quality of teaching-learning during the academic year:
(Seminars/Workshops/lectures/field visits organized):
Organized a National Seminar (PK Nag Memorial Lecture on 20.11.2017 – 21.11.2017)
- 9] Contribution to the growth and development of the University during the academic year:
Committee Position held Work done/ Activity

BOS Member Partially Drafted the modified syllabus of UG & PG courses

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

1 Question papers setting, Invigilation

2 Evaluations of Answer Scripts

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

| | |
|--|----------------|
| Admission Test Committee | Chairman, AUAT |
| Board of Studies (Mechanical Engineering Department) | Member |
| Departmental Purchase Committee | Member |

S. A. Aida
8/7/18

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):6 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, one PG level project, one edited book, 3 book chapters, 2 journal papers and 2 international conference papers.

| Year | UG Level | PG Level |
|-----------|--|---|
| 2017-2018 | Manufacturing of circular holes using powder mixed EDM | Investigation into Parametric Effects on Machining Rate and Surface Characteristics during Powder Mixed EDM of Pure Titanium By MdKousar Imam Roll No. MEN 162001 |

Publication:

(a) Book Edited

1. Non-traditional Micromachining Processes-Fundamentals and Applications, G. Kibria (Eds.), B.Bhattacharyya (Eds.), J. P. Davim (Eds.), book title series: Materials Forming, Machining and Tribology, Springer International Publishing AG, Switzerland, 2017 (ebook ISBN 978-3-319-52009-4, Hardcover ISBN 978-3-319-52008-7, DOI 10.1007/978-3-319-52009-4).

(b) Book Chapter

1. G. Kibria, B.B. Pradhan, B. Bhattacharyya, Micro-Electrical Discharge Machining of Ti-6Al-4V: Implementation of Innovative Machining Strategies, In: Microfabrication and Precision Engineering: Research & Development, J. P. Davim (Editor), Woodhead

- Publishing, Cambridge (UK), Print Book ISBN :9780857094858, DOI: 10.1016/B978-0-85709-485-8.00004-8, 2017, pp. 99-142
2. G. Kibria, IshwerShivakoti, B.B. Pradhan, B. Bhattacharyya, Electrical discharge micro-hole machining process of Ti-6Al-4V: Improvement of accuracy and performance, In: Non-traditional Micromachining Processes-Fundamentals and Applications, G. Kibria (Eds.), B.Bhattacharyya (Eds.), J. P. Davim (Eds.), book title series: Materials Forming, Machining and Tribology, Springer International Publishing AG, Switzerland, 2017, pp. 93-144.
 3. G. Kibria, B. Doloi, B. Bhattacharyya, Laser micro-turning process of aluminium oxide ceramic using pulsed Nd:YAG laser, In: Non-traditional Micromachining Processes-Fundamentals and Applications, G. Kibria (Eds.), B.Bhattacharyya (Eds.), J. P. Davim (Eds.), book title series: Materials Forming, Machining and Tribology, Springer International Publishing AG, Switzerland, 2017, pp. 179-226.

(c) Journal Papers:

1. G. Kibria , S. Chatterjee , I. Shivakoti , B. Doloi , B. Bhattacharyya, RSM Based Experimental Investigation and Analysis into Laser Surface Texturing on Titanium using Pulsed Nd:YAG Laser, IOP Conference Series: Materials Science and Engineering, Vol. 377, pp. 1-12, 2018.
2. G. Kibria ,Leeom P. Lepcha , I. Shivakoti , B. Doloi , B. Bhattacharyya, Pulsed Nd:YAG Laser Micro-turning of Alumina to Study the Effect of Overlap Factors on Surface Roughness Performance, IOP Conference Series: Material Science and Engineering, Vol. 377, pp. 1-7, 2018.

(c) International Conference Papers:

1. O.F. Biswas, G. Kibria, B. Doloi and B. Bhattacharyya, Study and Analysis of Spiral Micro-grooving Process of Aluminium Using Pulsed Fiber Laser, Proceedings of the 10th International Conference On Precision, Meso, Micro and Nano Engineering (COPEN 2017) held at IIT Madras, Chennai, India during December 07 – 09, 2017, pp. 189-192. ISBN: 978-93-80689-28-9
2. O.F. Biswas, A. Sen, G. Kibria, B. Doloi and B. Bhattacharyya, Experimental Investigation of Microchannel Milling on Zirconia (ZrO₂) By Using Pulsed Fiber Laser, Proceedings of the 10th International Conference On Precision, Meso, Micro and Nano Engineering (COPEN 2017) held at IIT Madras, Chennai, India during December 07 – 09, 2017, pp. 349-352. ISBN: 978-93-80689-28-9

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

1. Organized Seminar “Foundry: A Vibrant Career Opportunity” on 20 th November 2017. 240 students, 20 Faculties, 11 Deligates from Industries were participated.
2. Organized 5th Mechanical Day on 21 November 2017. 225 students, 18 Faculties were participated.
3. Delivered expert lecture title “An overview of micromachining processes” One Day National Workshop “Mech-X-Ploration - Recent Trends in Mechanical Engineering” on 28-29 March 2018 in Future Institute of Engineering and Management, Kolkata

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

| Committee | Position held | Work done/ Activity |
|--|---------------|--|
| Departmental Purchase Committee (DPC) | Convener | 1. Preparation of various e-tender documents related to purchase of various machineries and instruments in departmental labs 2. Preparation of SP1 and SP2, specifications of machines, and pre-bid meeting discussion |
| Departmental Research Committee (DRC) | Coordinator | 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 |
| Drinking Water Treatment Plant Committee | Convener | 1. Arrangement of installation of iron removal plant and RO plant in various locations of new town campus and two hostels 2. Arrangement of back-wash of these RO plant once in a week |
| 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) |
| NPTEL LOCAL CHAPTER Committee | Convener | 1. Discussion in meeting regarding the enrolment of students in various NPTEL online courses 2. Encouraging students to enrol in various short term courses |

| | | |
|--|--------|---|
| Committee for University Plagiarism Policy | Member | 1. Discussion in meeting regarding preparation of plagiarism policies |
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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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|---|--|
| 1 | |
| 2 | |

Signature
08/07/2018

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) : 5yrs
 5] Industry experience (if any in years) : Nil
 6] Number of teaching hours per week : 17
 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 |
|--|---------------|---|
| Training & Placement Committee | Member | Departmental Coordinator |
| 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 | Question papers setting, Invigilation and Answer Scripts evaluation |
| 2 | 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. |

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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S. S. S.
08/07/2018

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): 11 Years
- 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): 1 PG level project, 1 International Conference and 1 National conference papers.

| Year | PG Level |
|-----------|--|
| 2017-2018 | Fabrication and Machining Studies of Rice Husk Ash (RHA) reinforced Aluminium (Al) Metal Matrix Composites (MMCs) By Mehendi Ali Shah (Roll No. MEN162009) |

Publication:

National / International Conference Papers:

3. Md. Kamaruzzaman, R. Haque, M.Sekh, S. Haidar, "Enhancement of Railway Safety Systems using Anti Collision Device", Proceedings of International Conference on Sustainable Manufacturing, Automation and Robotics Technologies [IC-SMART 2017], organized by CSIR-CMERI, Durgapur, December 15-16, 2017 at West Bengal, India.
4. S. Ansary, R. Shaikh, M. Sekh, R. Haque, Md. Kamaruzzaman, S. Haidar, "Tribological properties of aluminium graphite composite journal bearing", Proceedings of National Conference on Advanced Materials, Manufacturing and Metrology [NCAMMM – 2018]: CSIR-CMERI, Durgapur, pp.28, ISBN: 978-93-87480-56-8, February 16-17, 2018.

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

1. Full Day Seminar on Foundry Practice (Participants: 215 students, 26 Faculties, 16 Deligates from Industries) on 18th July 2017.
2. In the year of 2017, the Mechanical Day was celebrated on 20th to 21st November and one cultural event was organised. I was the convener of that event.

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 computer purchasing |
| 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) |

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
08/07/2018

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

- 1] Name: Subha Mondal
- 2] Designation: Assistant Professor
- 3] Qualification: MME
- 4] Teaching experience (in years):12years
- 5] Industry experience (if any in years):
- 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): 1 SCI Journal Paper +2 Non SCI Journal Paper +3 Conference Paper

SCI Journal paper Published:

1. **Mondal S, De S** (2017, September) Ejector based organic flash combined power and refrigeration cycle (EBOFCP&RC) – A scheme for low grade waste heat recovery. Energy 134, 638-648. <https://doi.org/10.1016/j.energy.2017.06.071>

Non SCI Journal paper Published:

1. **Mondal S, De S, Assadi M.** Waste Heat recovery from Flue Gas Containing SO₂ through CO₂ Based Combined Power and Refrigeration cycle. Journal of Energy and Environmental Sustainability, 3 (2017) 51-55.
2. Jana K, Ray S, De S, Assadi M, **Mondal S.** Performance of a Biomass Based Polygeneration: Second Law Analysis. Journal of Energy and Environmental Sustainability, 3 (2017) 37-42.

Conference Paper Published

1. Jana K, Ray A, De S, Ashadi M, **Mondal S.** Exergy analysis of a biomass based polygeneration system. Proceedings of the International Conference on Sustainable Energy and Environmental Challenges (SEEC-2017), Mohali, India.
2. **Mondal S, De S, Ashadi M.** CO₂ based combined power and refrigeration cycle - a scheme for low grade waste heat recovery. Proceedings of the International Conference on Sustainable Energy and Environmental Challenges (SEEC-2017), Mohali, India.

3. Alam S, Mondal S, De S. Waste heat recovery through ejector refrigeration cycle using dry working fluid. INCOM 2018: Proceedings of First International Conference on Mechanical Engineering, Jadavpur University Kolkata. ISBN 978-93-83660-38-4.

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 | Partly drafted the modified syllabus |
| Departmental Purchase committee | Member | Indenter of some specified equipment |

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 | |
| 2 | |

Subha Mondal
8/07/18

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): 8 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 academic year (provide list in separate sheet):

I declare that I have developed the study materials of UG subjects (Refrigeration and Air Conditioning and I C Engines) and PG subjects (Power plant Engineering 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/field visits organized): NIL

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

| Committee | Position held | Work done/ Activity |
|---|---------------|--|
| Board of Studies (Mechanical Engineering Department) | Member | 1. Discussion in meeting regarding improvement of contents of various subjects and laboratories. |
| Departmental Purchase Committee | Member | 1. Preparation of various e-tender documents related to purchase of various machineries and instruments in 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. |
| 2 | |

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

| | |
|---|--|
| 1 | |
| 2 | |

Q
21/07/18

Academic Practices (for the academic year: 2017-2018)

- 1] Total number of teaching-days in the academic year: 200
- 2] Total number of permanent teaching staff: 08
- 3] Total number of permanent teaching staff with PhD: 03
- 4] Number of programmes offered (please specify): B.Tech in MEN and M.Tech in MEN
- 5] Number of sanctioned intake of students and number of actual admissions:

| B.Tech | Intake capacity | | Actual admission |
|---------|-----------------|----|------------------|
| | Regular | 60 | |
| | Lateral | 06 | 04 (Male) |
| M. Tech | | 18 | 13 (Male) |

- 6] How many teaching members have attended Orientation Programme/ Refresher Course/ FDP/ Workshop/ Training Programme/ Research Methodology Course/ Capacity Building Programme etc.: 3
- 7] Number of Orientation Programme/ Refresher Course/ FDP/Workshop/ Training Programme/ Research Methodology Course/ Capacity Building Programme etc. organised by the department: 02
- 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: 2017-2018)

- 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: Nil

- 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 Hours

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):

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

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

3] Number of publications in refereed & peer-reviewed journals: 07

4] Number of book/ edited-volume/ book-chapter published with ISBN: 1 edited book +3 book chapters

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: Nil
a. Completed
b. Ongoing

9] Number of collaborative research projects: Nil
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?

No

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

No

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

Sometimes

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?

There is separate placement cell

9] Do the students receive ICT-based teaching?

No

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

No

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 available with the department

12] Please indicate the number of students those have progressed for higher studies (for the specific period)

No data 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) |
|-----------|----------------|----------------------------|-------------------------------|-------------------------------|
| 2017-2018 | 08 | 03 | Nil | Nil |
| | | | | |
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S.A. Aida
8/9/18

