# Aliah University

# Academic Audit Academic Year: 2018-2019



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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 (Officiating) : 2018 (August-Dec)

1] Name: Rumpa Saha

2] Designation: Assistant Professor

3] Qualification: M.Tech

4] Teaching experience (in years): 11

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

6] Number of teaching hours per week: 22 (Approximate Average)

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

#### **Publications**

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

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

Rumpa Saha, Jitendra N. Bera & Gautam Sarkar, An Improved Method for Load Taxonomy Using Sample Shifting Technique and Signature Analysis, Electric Power Components and Systems, Taylor and Francis, 2019, ISSN-1532-5016, https://www.tandfonline.com/doi/abs/10.1080/15325008.2019.1577928

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



Dept. of Electrical Engineering Head (Officiating) Aliah University, Kolkata

	Inte	rnal Academic Audit (2018-19)
Committee	Position	Work done/
Poord of Chudies of Electric LE	held	Activity
Board of Studies of Electrical Engineering Department (Memo No: AU/EEN/017/18, Dated:13/03/18)(Continued)	Member	
Departmental Purchase Committee (Memo No.: AU/REG/0918/18, Dated: 18/09/2018) (Continued)	Member	Whatever
Anti-Ragging Squad (Memo No.: AU/REG/0318/17, Dated 12-04- 2017) (Continued)	Member	assigned or necessary.
Departmental Maintenance Committee (Memo No.: AU/REG/1288/17, Date: 06-12- 2017) (Continued)	Convenor	
Departmental Research Committee	Chair person	

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

1. Acted as HoD (Officiating ) during August 2018 to Dec 2018

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

1	Mentoring B. Tech students "Project work" based on their interest of research field.		
2	Guiding M. Tech students for their post graduate's dissertation.		

12] Engagement of Teacher with other institute/ university: NA

### Information about HOD (Officiating) : 2019 (January-June)

1] Name: Dr. Rimi Paul

2] Designation: Assistant Professor

3] Qualification: Ph.D. (Engineering)

4] Teaching experience (in years):8yrs

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



Head (Officiating) Dept. of Electrical Engineering Aliah University, Kolkata

4

6] Number of teaching hours per week: 21 (including lecture, practical, project supervision)

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



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

(Seminars / Workshops / lectures / field visits organized): Organized and acted as a Chairperson of one day workshop on Research Methodology at Electrical Engineering dept on 28/06/19.

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

Committee for Aliah	Member	Doutioinstadiu
	Member	Participated in
University Admission		meetings for taking
Test (AUAT) ( Memo		decision regarding
No: AU/Reg/0724/16		AUAT related
dated 08/01/2019)		problems
Engg. Curriculum	Member	Participated in a
Committee		meeting
Committee for	Chairperson	Whatever work
purchasing various		assigned
Lab Equipments,		
power connection		
Doctoral Research	Chairperson	All activities related
Committee		to PhD including
		course work
		0.000
.0] Other responsibilities (F	Please specify, add rows if	required): Dept. of Electrical Engineering Aliah University, Kolkata

1	All works during the period of HOD (officiating) including exam
	form fill, moderation, arrangements of PG dissertation and Ph.D. course work examination, inspection of power connection, smart class
	room for EEN dept etc
2	

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

	Internal Academic Audit (2018-19)
1	Encouraged students for participating in a Campus interview.
2	

# Information about Teaching Members (to be filled by individual Teaching member) (2018-19)

#### Sharmistha Mandal

1] Name: Dr. Sharmistha Mandal

2] Designation: Assistant Professor

3] Qualification: Ph. D

4] Teaching experience (in years): 15

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

6] Number of teaching hours per week: Average 22 hours per week (Including lectures, tutorials, practical and project supervision)

7] Number of Research Projects/Publications/ 2 (Publications)
Study material developed during Study material developed
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):

Organised One Day Workshop on "RESEARCH METHODOLOGY" in Electrical Engineering department Aliah University on 28/06/2019.

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

Committee	Position held	Work done/ Activity
Central MATLAB Purchase Committee (Memo no. AU/REG/0990/18, dated: 12/10/2018)	Convenor	Worked as per assignments or requirements.
BOS, Mechanical Engineering Department, Aliah University	Member	
Departmental Purchase Committee (Memo no. AU/REG/0918/18, dated:18-09-2018)	Member	Baha 122
Power Connection Committee of EE dept. (Memo no. AU/REG/1261/17, dated: 29-11-	Member	Head (Officiating) Head (Officiating) Dept. of Electrical Engineerin Aliah University, Kolkata



2017)		
Departmental Research committee	Member	
BOS, Electrical Engineering Department, Aliah University (Memo No. AU/REG/0114/17 dated 13-02-2017)	Member	

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

1	Departmental Examination committee (Memo no. AU/EEN/023/18,
	dated: 03-04-2018)
2	

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

1	
2	

**Publications:** 

- 1. Mandal S., Sutradhar A., "Robust multi-objective blood glucose control in Type-1 diabetic patient", IET System Biology, June 2019, vol. 13(3), pp.136-146, doi: 10.1049/iet-syb.2018.5093.
- 2. S. Mandal and D. Mishra, "Robust Control of Buck Converter using H-infinity Control Algorithm," 2018 IEEE Applied Signal Processing Conference (ASPCON), 2018, pp. 163-167, doi: 10.1109/ASPCON.2018.8748623.

#### Nasim Ali Khan

1] Name: Dr. Dr. Nasim Ali Khan

- 2] Designation: Assistant Professor
- 3] Qualification: Ph. D
- 4] Teaching experience (in years):13
- 5] Industry experience (if any in years): Nil

6] Number of teaching hours per week: Average 22 hours per week (Including lectures, tutorials, practical and project supervision)

7] Number of Research Projects/Publications/ Study material developed Study material developed during The academic year (provide list in separate sheet): 8] Contribution to enrich quality of teaching-learning during the academic year:



of Electrical Engineering

Aliah University, Kolkata

7

(Seminars/Workshops/lectures/fieldvisitsorganized):

Organised One Day Workshop on "RESEARCH METHODOLOGY" in Electrical Engineering department Aliah University on 28/06/2019.

#### 9] Contributiontothegrowthanddevelopmentofthe Universityduringthe academic year:

Committee	Position held	Work done/ Activity
Maintenance Committee	Chairman	Worked as per
Training and Placement Committee	Convenor	assignments or
Aliah University Science & Technology Club	Secretary	requirements.
BOS, Civil Engineering Department, Aliah University	Member	
Departmental Purchase Committee (Memo no. AU/REG/0918/18, dated:18-09-2018)	Member	
Power Connection Committee of EE dept. (Memo no. AU/REG/1261/17, dated: 29-11- 2017)	Member	
Departmental Research committee	Member	
BOS, Electrical Engineering Department, Aliah University (Memo No. AU/REG/0114/17 dated 13-02-2017)	Member	

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

1	Departmental Examination committee (Memo no. AU/EEN/023/18, dated: 03-04-2018)
2	NSS Officer, New Town Campus

### 11] BestPracticesinteaching&academic-

administrationintroducedinthedepartmentinthe academic year (Please specify, add rows if required):

1		
2		
29/2/2 2 Chicaling neering	<u>Biswapriya Chatterjee</u>	ELECTRIC BLE
Dept high University, the	8	the second of Education and Control

#### 1] Name: BISWAPRIYA CHATTERJEE

2] Designation: ASSISTANT PROFESSOR

3] Qualification: Ph. D

4] Teaching experience (in years): 11 years

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

6] Number of teaching hours per week: 22 (approximate average)

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/fieldvisitsorganized):

9] ContributiontothegrowthanddevelopmentoftheUniversity during the academic year: **2018-19** 

Committee	Position held	Work done/ Activity
Institute Induction Program Cell (Memo No.: AU/REG/0670/18, dated 11/07/2018)	Member	
Departmental Purchase Committee (Memo No.: AU/REG/0918/18, dated 18/09/2018)	Member	Whatever assigned or necessary.
Committee for assessing constructional defects (Memo No.: AU/REG/0826/18, dated 14/08/2018)	Convener	

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

1

Dept. of Electrical Engineering Aliah University, Kolkata

11] BestPracticesinteaching& academic-

administrationintroducedinthedepartmentinthe academic year (Please specify, add rows if required):

1	
2	

#### MD AFTAB ALAM

- 1] Name: MD AFTAB ALAM
- 2] Designation: ASSISTANT PROFESSOR
- 3] Qualification: M.Tech.

4] Teaching experience (in years): 7 years

5] Industry experience (if any in years): 3 years

6] Number of teaching hours per week: 22 (approximate average)

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):

Organized a CBCS workshop for the Faculty of Engineering and the report submitted to the Hon'ble VC for implementation of CBCS in Engineering (Memo No.: AU/REG/0981/18, dated 11/10/2018).

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

#### 2018-19

Committee	Position held	Work done/ Activity
Committee for Revision of Common Engineering Curriculum (UG & PG) (Memo No.: AU/REG/0104/18, dated 02/02/2018)	Convener	Whatever assigned or necessary.
Departmental Purchase Committee	Convener	







		Internal Academic Audit (2018-19)
(Memo No.: AU/REG/0918/18, dated 18/09/2018)		
Departmental Purchase Committee (of ECE Department) (Memo No.: AU/REG/0917/18, dated 18/09/2018)	Member	
Computer Purchase Committee of the University (Memo No.: AU/REG/0921/18, dated 18/09/2018)	Member	
Board of Studies of ECE Department (Memo No.: AU/REG/1272/17, dated 01/12/2017)	Member	

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

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

1	
2	

#### Rumpa Saha

1] Name: Rumpa Saha

1

2] Designation: Assistant Professor

3] Qualification: M.Tech

4] Teaching experience (in years): 11

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

6] Number of teaching hours per week: 22 (Approximate Average)

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



The academic year (provide list in separate sheet):

#### **Publications**

8] Contribution to enrich quality of teaching-learning

during the academic year:

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

**Rumpa Saha**, Jitendra N. Bera & Gautam Sarkar, An Improved Method for Load Taxonomy Using Sample Shifting Technique and Signature Analysis, Electric Power Components and Systems, Taylor and Francis, 2019, ISSN-1532-5016,

https://www.tandfonline.com/doi/abs/10.1080/15325008.2019.1577928

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

Committee	Position held	Work done/ Activity
Board of Studies of Electrical Engineering Department (Memo No: AU/EEN/017/18, Dated:13/03/18)(Continued)	Member	
Departmental Purchase Committee (Memo No.: AU/REG/0918/18, Dated: 18/09/2018) (Continued)	Member	Whatever
Anti-Ragging Squad (Memo No.: AU/REG/0318/17, Dated 12-04- 2017) (Continued)	Member	assigned or necessary.
Departmental Maintenance Committee (Memo No.: AU/REG/1288/17, Date: 06-12- 2017) (Continued)	Convenor	
Departmental Research Committee	Chair person	

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

1. Acted as HoD (Officiating ) during August 2018 to Dec 2018

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

1	Mentoring B. Tech students "Project work" based on their interest of research field.
2	Guiding M. Tech students for their post graduate's dissertation.

12] Engagement of Teacher with other institute/ university: NA

Head (Officiating) Dept. of Electrical Engineering Aliah University, Kolkata 12



#### Dr. Rimi Paul

1] Name: Dr. Rimi Paul

2] Designation: Assistant Professor

3] Qualification: Ph.D.

4] Teaching experience (in years):8yrs

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



6] Number of teaching hours per week: 21hrs (Approximate Average)(including lectures, tutorials, practical and project supervision)

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

Year	UG	PG
2018-2019	Electromagnetic Fields (Magnetic Part only)	Robust Control

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

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

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

Dept. of Electrical Engineering pt. of piccurcal pusuedun Aliah University, Kolkata

Committee	Position held	Work done/ Activity
Institution Industry Cell(Memo No: AU/Reg/0795/18 dated 07/08/2018)	Member	Participated in a meeting

		Internal Academic Audit (2018-19)
Committee for Aliah	Member	Participated in
University Admission		meetings for taking
Test (AUAT) ( Memo		decision regarding
No: AU/Reg/0724/16		AUAT related
dated 08/01/2019)		problems
Doctoral Research	Chairperson	All activities related
Committee	and Member	to PhD including
		course work
Internal Complaint	Member	Participated in meetings
Committee (Memo No:		for interacting with
AU/Reg/0320/17 dated:		witnesses, and taking
12/04/2017) (Continued)		decision
Department	Coordinator	Collecting information
Coordinator for news		from faculties and
letter/magazine related		students and sent for
activities (Memo No		University Magazine
AU/EEN/053/18 dated		Coordinator for
25/05/2018)(Continued)		publication

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

1	Signal and Network Lab coordinator (Memo No AU/EEN/105/18, 12/10/2018)
2.	Departmental Syllabus committee member

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

- 1 Acted as an UG coordinator for guiding students based on their interest of research field
  - Pallav Dutta

1] Name: Pallav Dutta

- 2] Designation: Assistant Professor
- 3] Qualification: B. Tech, M. Tech

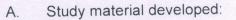
4] Teaching experience (in years): 11 years

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

Head (Officiating) Dept. of Electrical Engineering Aliah University, Kolkata

6] Number of teaching hours per week: 22 (approximate average)

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





Year	UG	PG
2018-2019		Renewable power generation & control
2018-2019		

#### No. of Publications Β.

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

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

- Participated in the technical workshop on "Energy Conservation Road Map: 1. Present and Future Trends", organized by IEEE-Kolkata section, December 2018.
- Participated in the National seminar on "Preparation and Publication of Research 2. Articles", organized by Computer Science & Engg. Department - Aliah University, March 2019.
- Organizing member of "One Day workshop on One Day Workshop on Research 3. Methodology", organized by Electrical Engineering Department - Aliah University, June 2019.

9] Contribution to the growth and development of the University during the academic year: 2018-19

Committee	Position held	Work done/ Activity
Board of Studies of Electrical Engineering Department (Memo No: AU/REG/0326/17, Dated: 18/04/2017	Member	Whatever assigned or
Departmental Purchase Committee (Memo No.: AU/REG/0918/18, Dated: 18/09/2018) (Continued)	Member	necessary.
10] Other responsibilities (Please specify	, add rows if require	d): Dept. of Electrical Engineer Aliah University, Kolka

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

Appointed as Board Observer in West Bengal Joint Entrance Examination 2018. 1.

2.	Internal Academic Audit (2018-19)
۷.	Acted as External Examiner for the M Tech Thesis Evaluation and Final Vive
	voce, Electrical Engg. Dept. Jadavpur University.
3	Lab Ca and Ling. Dopt. Vadavput Oniversity.
J.	Lab Co-ordinator of Measurement Laboratory (Memo No AU/EEN/105/18,
	Dated: 12/10/2018) (Continued).

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

1	Mentoring B. Tech students "Project work" based on their interest of research field.
2	Guiding M. Tech students for their post graduate's dissertation.

12] Engagement of Teacher with other institute/ university: NA

Head (Officiating) Dept. of Electrical Engineering Aliah University, Kolkata



# **Academic Practices**

Academic Practices (for the academic year: 2	018-19)
1] Total number of teaching-days in the academic year:	182
2] Total number of permanent teaching staff:	07
3] Total number of permanent teaching staff with PhD:	03
4] Number of programmes offered (please specify):	04
	1. B.Tech
	2. M.Tech (PS)
	3. M.Tech (CS)
	4. Ph.D.
5] Number of sanctioned intake of students and Number of actual admissions:	UG Sanctioned - 60+6(L) UG Actual- 20+24(L) PG Sanctioned - 18 PG Actual- 08
6] How many teaching members have attended Orientation Programme/ Refresher Course/ FDP/ Worksho Training Programme/ Research Methodology Course/ Capacity Building Programme etc.:	07
7] Number of Orientation Programme/ Refresher Course / FDP/ Workshop/ Training Programme/ Research Methodology Course/ Capacity Building Programme etc. organised by the department:	00
8] Number of Training Programme/ Consultancy offered By the department:	00 29/3/22
9] Number of academic collaborations made by the department:	00 Page 19 Head (Officiating) Head (Officiating) Head (Officiating) Head (Officiating) Dept. of Electrical Engineering Aliah University, Kolkata

10] Innovative practices (please specify):

Internal Academic Audit (2018-19) Counselling for higher studies and job aspiring students

Teaching-Learning-Evaluation process (for the acad	emic year: <u>2018-19</u> )
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
<ul> <li>3] Does the programme follow:</li> <li>a. CBCS structure</li> <li>b. Elective-based structure</li> <li>c. Any other, please specify</li> </ul>	NO YES
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	NO YES NO NO
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	YES YES NO NO NO NO NO
7] Weekly class hour per course (average):	04 29 3 4 Head (Officiating) Head (Officiating) Head (Officiating) Head (Officiating) Head (Officiating)
8] Whether remedial/ tutorial classes included in class routine?	NO Head (Officiating) Dept. of Electrical Engineering Aliah University, Kolkata
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: 2018-19)

1] Does the department offer MPhil/ PhD/ Post-Doctoral Programme: (Please specify):	YES
2] Number of students/ scholars registered/ enrolled in MPhil/ PhD/ Post-Doctoral Programme (If the answer to Q1 is yes):	05
3] Number of publications in refereed & peer-reviewed journals:	03
4] Number of book/ edited-volume/ book-chapter published with ISBN:	00
5] Number of patents registered:	00
6] Number of revenue generating events (Consultancy, Training Programme, MDP/ EDP etc.):	00
7] Number of Seminar/ Conference/ Workshop/ FDP etc organised at State/ National/ International level:	01
8] Number of sponsored research projects: a. Completed b. Ongoing	00
9] Number of collaborative research projects: a. Completed b. Ongoing	00
10] Any innovative research initiative adopted and implemented (please specify):	N.A.
Head (Officiating) Head (Officiating) Dept. of Electrical Engineering Aliah University, Kolkata	ELECTRIC



# Infrastructure & facilities (departmental level)

1] Number of classrooms:	12	
2] Number of ICT-enabled classrooms:	00	
3] Number of laboratories:	09	
4] Availability of licensed software/ databases:	02	
5] Number of tutorial rooms:	01	
6] Number of seminar halls:	00	ELECTAN
7] Number of rooms for the teaching members:	03	,



8] Number of computer/ printer/ scanner available:

SI.	Location	No of Computer	
No.			
1.	Simulation Lab 1	35	
2.	Simulation Lab 2	35	
3.	Power System Lab	01	
4.	Power Electronics Lab	01	
5.	Signal and Network Lab	01	
6.	Basic Electrical Lab	01	
7.	M.Tech Control Lab	03	

#### b. In teachers' enclosure

SI. No.	Location	No of Computer	Printer
1.	3rd floor big faculty room	09	04 (MFP)
2.	3rd floor small faculty room	04	02
3.	2 <sup>nd</sup> floor faculty room	03	01

- c. For Research scholars
- d. For Administrative purpose

Head (Officiating) Head (Officiating) Dept. of Electrical Engineering Aliah University, Kolkata 21

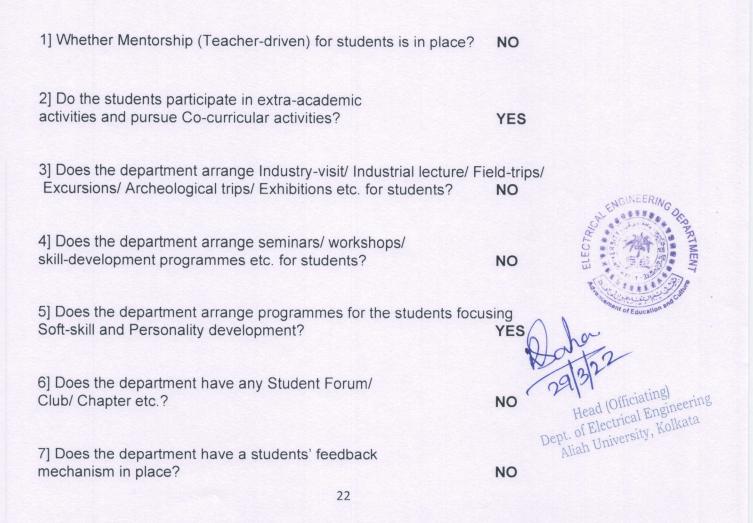
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Computer-04 Printer-03

#### Internal Academic Audit (2018-19) Scanner-01

9] Whether Internet facility available in classrooms/ laboratory / teachers' enclosure?	YES
10] Whether reprographic facility available?	YES
11] Number of washroom facility (for male):	03
12] Number of washroom facility (for female):	03
13] Presence of appropriate signage:	YES
14] Barrier free environment ensured?	YES

### Initiatives and Supplementation for Students:



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

9] Do the students receive ICT-based teaching?	YES
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10] Can the students access digital resources offered by the University library?

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)

				05
1.	SHIRIN PARVIN		GRE	
2.	SHIRIN PARVIN		TOFEL	
3.	ILIAZ MIAH		GATE	
4.	AKTAR SARDAR		GATE	
5.	Fakiruddin Ahammad	Ali	WBPSC	

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

#### 00

YES

OF

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

BTech-EEN 2018 Batch Placement Record			
SI no.	Name	Company	Salary offered
1	Shafkat Akhter	Cognizant	2.53LPA
2	Diksha Sharma	Cognizant	2.53LPA
3	Sk Amber Razaa	Sketch Web Solutions	1.2LPA
4	TANVEER RAZA	RDC Concrete	21000+ Bonus of Rs. 4000
5	FIROZ ALI MONDAL	Lumino Industries Limited	12,500/-

Head (Officiating) Dept. of Electrical Engineering Aliah University, Kolkata

