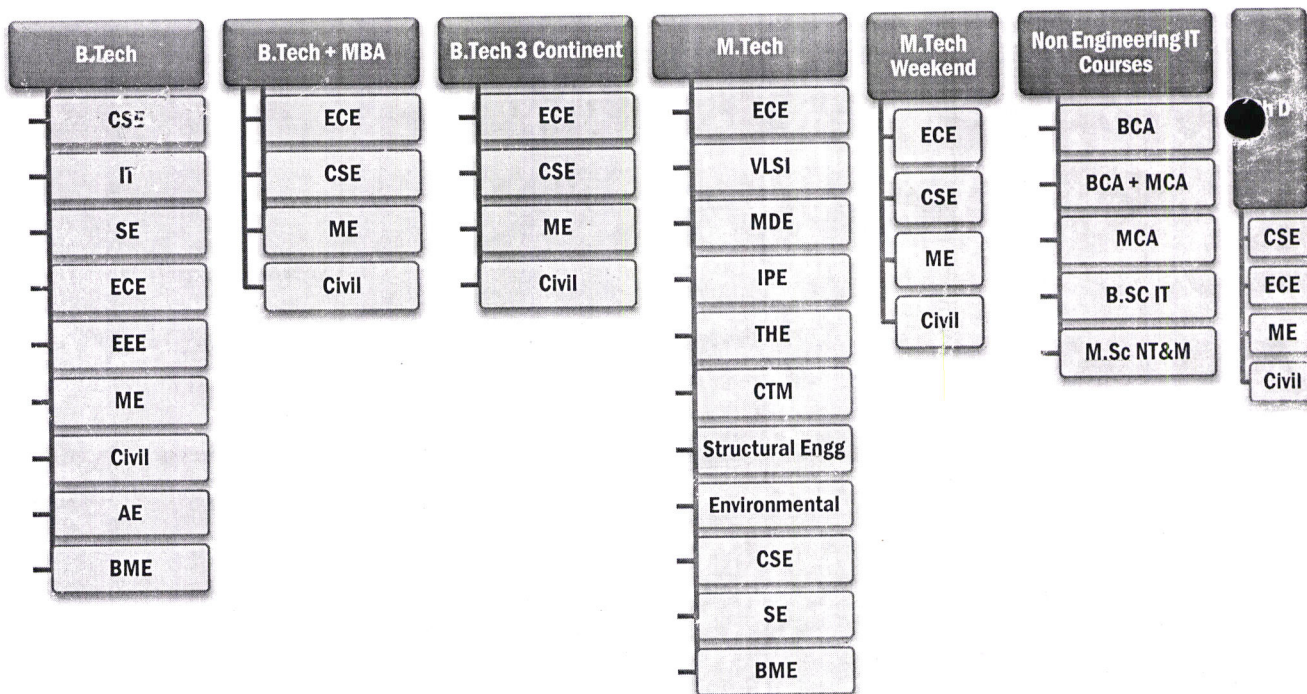


Evaluation Report
AMITY SCHOOL OF ENGINEERING AND TECHNOLOGY

1. **Name of the Department :** Amity School of Engineering and Technology
2. **Year of establishment:** 2010
3. **Is the Department part of a School/Faculty of the university?**
 Yes, School is part of Faculty of Science and Engineering at Amity University Haryana.
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.):**



5. **Interdisciplinary programmes and departments involved**
 B Tech + MBA mentioned in Serial No 4 is a interdisciplinary/ dual degree program, Amity Business School is involved in this. Some of the courses are also taken by the external faculty members.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
 B Tech 3Continent mentioned in Serial No 4 is a program which is in collaboration with the other university in US and UK.

Study abroad Programs is also in collaboration with 4 countries where students can earn credit in a particular course and those credits can be transferred to the university.

7. **Details of programmes discontinued, if any, with reasons:** Nil
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:**
A semester system is followed in the school/ university and a flexible credit system (CBCS) is also implemented for the students.
9. **Participation of the department in the courses offered by other departments:**
All the departments of ASET are associated with each other through some interdisciplinary subjects e.g. ECE department actively participates in few main subjects of the programmes B.Tech. (CSE), B.Tech. (MAE), B.Tech. (AE) and B.Tech. (BME), M.Sc. (Physics), M.Tech.(Solar), M.Tech.(Nanotechnology). Similar is the association of the other department
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	7	7	-
Associate Professors	16	6	-
Asst. Professors	50	78	-
Others (03)	3	3	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D./M.Tech. students guided for the last 4 years
Maj Gen V K Narang	M Tech, MBA	Director	Telecommunication and IT	43	2

Department of Civil Engineering

Name	Qualification	Designation	Specialization	No. of years of	No. of Ph.D./M.Tech.
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				experience	students guided for the last 4 years
Dr. R.K. Malik	Ph.D	Professor & HOD	Soil and Water Engineering	45	2
Ms. Sakshi Gupta	M.Tech	Assistant Professor	Structural Engineering	3	Nil
Mr. Lalit Kumar	M.Tech	Assistant Professor	Transportation Engineering	2.5	Nil
Ms. Harsimranjit Kaur Romana	M.Tech	Assistant Professor	Water Resources Engineering	1.5	Nil
Mr. Ankit Batra	M.Tech	Assistant Professor	Structural Engineering	2	Nil

Department of Bio Medical Engineering

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Tech students guided for the last 4 years
Mr. Yashil Handa	M. Tech	Assistant Professor	Bioinstrumentation, affordable healthcare and medical device innovation	4	1
Ms. Apoorva Chaudhary	M. Tech	Assistant Professor	Biomechanics and Tissue Engineering	2+	0
Ms. Sakshi Sethi	M. Tech	Assistant Professor		3	0

Department of Aero Space Engineering

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Mr. Manish K. Bharti	M.E.	Asst. Professor	Rocket Propulsion	3.5	NA
Ms. Sonia Chalia	M. Tech.	Asst. Professor	Fluid Dynamics	4.5	NA

Department of Mechanical Engineering

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. Students guided for the last 4 Years
Dr. A.K. Raghava	Ph.D	Professor	Fluid Mechanics	45 years	Guiding 09 Ph.D students
Col. A.K Johri	M.Tech	Professor	Thermal Engineering	43 years	NIL
Dr. Sanjeev Sharma	Ph.D	Associate Professor	Thermal Engineering	22 years	06 M.Tech Students guided
Dr. Rajesh Arora	Ph.D	Associate Professor	Thermal Engineering	13.5 years	01 M.Tech Student guided
Mr. Lalit Mohan Gupta	M.Tech	AP3	Manufacturing	15 years	01 M.Tech students guided
Dr. Vineet Jain	Ph.D	AP3	Manufacturing	17 years	02 M.Tech students guided
Mr. Pawan Kr. Taneja	M.Tech	AP3	Machine Design	10 years	02 M.Tech students guided
Dr. Shiv Sharma	Ph.D.	AP2	Materials Engineering	12 years	Guiding 04 Ph.D. Scholars
Mr. Sandeep Phogat	M.Tech, MBA	AP2	Industrial Engineering, O&P	08 years	NIL

			Mgmt.		
Ms Rashi Kaul	M.Tech, MBA (HR)	AP2	Thermal Engineering	10 years	NIL
Mr. Kuldeep Kumar	M.Tech	AP2	Manufacturing	06 years	02 M.Tech students guided
Mr. Nitin Shyam	M.Tech	AP2	Production	06 years	NIL
Mr. Narender Kumar	M.Tech	AP1	Industrial Engineering	07 years	02 M.Tech students guided
Mr. Om Prakash	M.Tech	AP1	Machine Design	06 years	01 M.Tech student guided
Mr. Deepak Kumar	M.Tech	AP1	Thermal Engineering	5.5 years	01 M.Tech student guided
Mr. Hardial Singh	M.Tech	AP1	Machine Design	6.5 years	02 M.Tech students guided
Mr. Avinash Dholiwal	M.Tech	AP1	Machine Design	06 years	NIL
Mr. Taufeeque Hasan	M.Tech	AP1	Industrial & Production Engg.	06 years	NIL
Mr. Christopher D Johny	M.Tech	AP1	Machine Design	04 years	NIL
Mr. Ravi Kant Sharma	M.Tech	AP1	Machine Design	06 years	02 M.Tech students guided

Department of Electronics and Communication Engineering

Name	Qualification	Area of Specialization	Designat ion	Experience (in Years)	No. of PhD/M.Tech Students Guided
Dr. Priti Singh	Ph. D.	Instrumentation Digital Signal Processing Image Processing	HOD & Prof.	18	4
Anil Kumar	Ph.D. (P)	Instrumentation	AP-II	12.9	4

Mahendra Singh Meena	M.Tech(TTM) 2008 Ph.D. (P)	Image Processing , Sensor Network, Antenna Design	AP-II	8.2	5
Ved Prakash	M.Tech. Ph.D. (P)	Microstip Antennas Wireless Comm.	AP-I	5.8	2
Nisha Charaya	M.Tech(VLSI & Embedded System) Ph.D. (P)	Signal Processing VLSI Design	AP-I	6.8	2
Rajbir	M.Tech	EEE	AP-I	7	2
Neeraj Gupta	M.Tech., PhD (P)	VLSI Design, Embedded System Device Modeling	AP-II	8.6	3
Karamjit Kaur	PhD (Submitted), M.Tech.	Instrumentation	AP-II	8.8	8
Shruti	Ph.D. (P)	Image Processing	AP-I	5.3	2
Rajat butola	M.Tech	Image Processing	AP-I	4.9	1
Jagandeep Kaur	Ph.D. (P)	VLSI Design	AP-II	10.1	2
Arun Kumar Singh	M.Tech(ES)-2007 Ph.D. (P)	VLSI , Digital Image Processing, Embedded System	AP-I	7.7	3
Manjeet Kaur	M.Tech(C&I)-2011, Ph.D (P)	Control & Instrumentation	AP-I	7	0
Upender Kumar	M.TECH (IME)	Communication Engineering, Signal Processing	AP-I	4.8	0
Sonal Dahiya	M.Tech-2008, Ph.D. (P)	Petri Nets, WSN, VLSI	AP-II	8.9	0
Tejender Singh Rawat	M. Tech.(ECE)	Networking	AP-I	4.4	1
Manoj Kumar Pandey	M.Tech(EIC)-2010 Ph.D. (P)	Digital Image Processing , Measurement & Instrumentation Control	AP-II	9.3	1

Prof.Dr.Janak B. Patel	Ph.D.	Electronics Communication Engg., VLSI, Image Processing, Nano- Electronics	Prof.	24	5
Dr. Brijesh Kumar	M. Tech, Ph.D.	Optoelectronics (Optical Communication)	Assoc. Prof.	9	3

Department of Computer Science and Engineering

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Nil

13. Percentage of classes taken by temporary faculty – programme-wise information:

B.Tech (Civil) : 12%

M.Tech (Civil) : 10%

14. Programme-wise Student Teacher Ratio:

- UG- 17:1 (Student: Teacher)
- PG- 11:1 (Student: Teacher)

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

	Sanctioned	Filled	Actual
Admin Staff	37	37	-
Support	9	9	-

16. Research thrust areas as recognized by major funding agencies: NA

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Faculty	Name of Funding Agency	Title of the project	Total Grant received	Sanctioned date	Status	National/International
Dr. Shiv Sharma and Dr Vivek Jaglan	European Commission	Erasmus project "Capacity Building in higher education "	(01 million Euro total, for AUH 80,000 Euro)	Approval obtained on August 2016 (Ref. No. 573616-EPP-1-2016-1-PL-EPPKA2-CBHE-JP)	Kick off meeting held in Vadodra in March 2017.	International

18. Inter-institutional collaborative projects and associated grants received :

a) National collaboration

b) International collaboration

Faculty	Name of Funding Agency	Title of the project	Total Grant received	Sanctioned date	Status
Mr. Sanjeev Sharma	AUH and AUR	Solar Car	Rs 2.5 Lakh	April 09,2013	Completed on April 2014

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

S.N	Faculty	Title & Research Area	Scheme	Start	Rs Lakh
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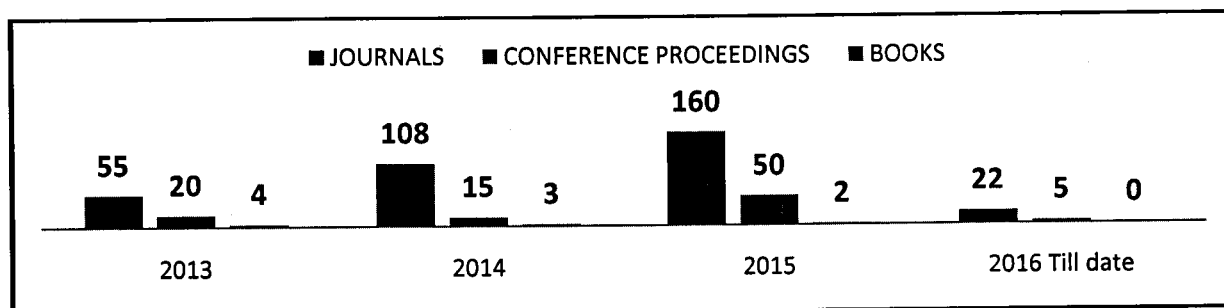
1	Dr A K Raghav (Co PI)	“Integrated Sustainable Power Generation from Short-Rotation Forestry “Enhanced Biomass” in Rural and Semi-Urban Areas of India within Clean Development Mechanism (CO ₂ mitigation)”	DST	Dec 2012	Rs 163 lacs
2	Dr A K Raghav (Co PI)	International Collaborative Research Project “SWINGS – Safeguarding Water Resources with Green and Sustainable Technologies”	DST	Jan 2013	Rs 462 lacs (funds have been released by the DST, New Delhi)

20. Research facility / centre with :NA

- state recognition
- national recognition
- international recognition

21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil

22. Publications:



23. Details of patents and income generated

S. No.	Name of Inventors	Title	Complete / Provisional	Date of Submission	Application No.
1	Ashok Kumar Raghav, Anil Chadha (Manesar), Email I.D. akraghava@gmail.com.	A novel fresh concrete mix and fillability test device	P>C	12.09.2013	2687/DEL/2013
2	Ashok Kumar Raghav, Viveak Ballyan, Ram Kishan Malik (Manesar), Email I.D. akraghava@gmail.com.	Amla (Phyllanthus Emblica) Piercing Machine for Making Amla Murabba	P>C	13.09.2013	2696/DEL/2013
3	Ashok Kumar Raghav, Viveak Ballyan, Ram Kishan Malik (Manesar), Email I.D. akraghava@gmail.com.	Sorting machine for roundish shaped vegetables and fruits	P>C	13.09.2013	2697/DEL/2013
4	Ashok Kumar Raghav, Subhra, Sanjeev Kumar Sharma (Manesar), Email I.D. akraghava@gmail.com.	Electricity from wind turbine system using solar chimney draft	P>C	03.10.2013	2927/DEL/2013
5	Ashok Kumar Raghav, Anil Chadha (Manesar), Email I.D. akraghava@gmail.com.	Brick work joint raking device	P>C	18.10.2013	3101/DEL/2013
6	Ashok Kumar Raghav, Amrendra Nath Pathak, Mahendra Singh meena (Manesar), Email I.D. akraghava@gmail.com.	LPG level indicator device for LPG cylinder	P>C	24.12.2013	3746/DEL/2013
7	Ashok Kumar Raghav, Jagdish Rai Luthra, Shiv Sharma (Manesar), Email I.D. akraghava@gmail.com.	A novel electronic LPG Cylinder Weighing Machine	P>C	14.02.2014	417/DEL/2014
8	Dr. Ashok Kumar Raghav, Dr. Pritam Babu Sharma, Mr. Ankit Tiwari, Mr. Bhavya Bhasin, Mr. Yash Raghav Amity University, Haryana (AUH, Manesar)	Magnetic power electricity generation device	P>C	31.10.2014	3121/DEL/2014

	Email: akraghav@ggn.amity.edu				
9	Dr. Pritam Babu Sharma, Dr. Ashok Kumar Raghav Amity University, Haryana (AUH, Manesar) Email: akraghav@ggn.amity.edu	Aqua splitting hydrogen for internal combustion engine	P>C	31.10.20 14	3122/DEL/2 014
10	Dr. Ashok Kumar Raghav, Mr. Gautam Parjapati, Mr. Rishbh Aswal, Mr. Pavleen Singh Bali Amity University, Haryana (AUH, Manesar) Email: akraghav@ggn.amity.edu	“Gyroscopic multi- movement ducted propeller for aircraft”	P>C	07.11.20 14	3221/DEL/2 014
11	Dr. Ashok K Raghav, Dr, AN Pathak, Mr. Yash Raghav (ASET, AUH, Manesar)Email: akraghav@ggn.amity.edu M: 9911447296	“Alarm-cum-shutoff Device for LPG cylinder Leakage”	C	19.02.20 15	477/DEL/20 15
12	Dr. Ashok K Raghav, Mr. Ganesh Gupta, Dr. Shailendra Narain Singh , Mr. Vivek Jalan (ASET, AUH, Manesar) Email: akraghav@ggn.amity.edu	“Security software system for tracking vehicular movement in specific area”	PX	09.04.20 15	993/DEL/20 15
13	Dr. Ashok Kumar Raghav, Pavleen Singh Bali, Rishabh Aswal (ASET, AUH, Manesar) M: akraghav@ggn.amity.edu	"Intelligent Traffic Monitoring System"	C	21/10/20 15	3402/DEL/2 015

14	Dr. Rupesh Aggarwal (ASET, AUH, Manesar) M: raggarwal@ggn.amity.edu	"Carbon-Super Alloy Composite for Aircraft Engines"	P	21/10/2015	3403/DEL/2015
15	Dr. Ashok Kumar Raghav (ASET, AUH, Manesar) M: akraghav@ggn.amity.edu	"Brick Work Equi Thickness Layering Device"	P	21/10/2015	3404/DEL/2015
16	Dr. Ashok Kumar Raghav, Dr. VLS Prasad Burra (ASET, AUH, Manesar) M: akraghav@ggn.amity.edu	"Automated Precast Gel Preparation and Vending Device"	P	21/10/2015	3405/DEL/2015
17	Dr. Rupesh Aggarwal (ASET, AUH, Manesar) M: raggarwal@ggn.amity.edu	"Levitation Thruster"	P	21/10/2015	3406/DEL/2015
18	Dr. Rupesh Aggarwal, Ayush Gupta (ASET, AUH, Manesar) M: raggarwal@ggn.amity.edu	"Multi-Bladed Ducted Fan With Thrust Vectoring For Flying"	P	22/01/2016	201611002457
19	Dr. Rupesh Aggarwal (ASET, AUH, Manesar) M: raggarwal@ggn.amity.edu	"Twin Layered Solar Array Blanket"	P	22/01/2016	201611002458
20	Mr. Sanjeev Sharma, Dr. Brijesh Kumar (ASET, AUH, Manesar)	"Low cost, Light weight, extremely durable and mechanically strong nanostructured aluminium/soft metal for safety helmet"	C	6/6/2016	201611019393
21	Mr. Ashok K Raghav, (ASET, AUH, Manesar)	Energy Efficient Boiler System for Thermal Power Plant and Industry	C	23-08-2016	20161102861

PX indicates Provisional Patent Filed but Complete Specifications not Provided: PATENT

DROPPED

P>C indicates Provisional Patent Filed and Complete Specifications Provided: PATENT ACTIVE

C indicates Patent Filed with complete specifications: PATENT ACTIVE

P indicates Provisional Patent Filed; Complete Specifications to be provided: PATENT ACTIVE

24. Areas of consultancy and income generated: Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions a. industries in India and abroad: Nil

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Faculties are serving as a member of editorial board in international journals. Details are available with Annexure I.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs). (Details are available with Annexure II.)

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects
80%
- percentage of students doing projects in collaboration with other universities / industry / institute
20%

29. Awards / recognitions received at the national and international level by

- Faculty

Sr. No.	Faculty	Awards/Recognitions	National/International
1	Dr. [REDACTED]	[REDACTED]	National
2	Dr. Rajesh	i) Adjudged Best Paper Award in National	National

	Arora	<p>Conference on Emerging Trends in Engineering & Technolgy, ETET 2014 at Apeejay Stya University on May 03, 2014.</p> <p>ii) Adjudged Best Paper Award in National Conference on TAME-2012 organized by YMCA UST, Faridabad during October 19-20, 2012.</p> <p>iii) Best Faculty Award-2010 (Ref. No. : DCE/AW/1273-2/10)</p>	
3.	Mr. Kuldeep Kumar	Best Faculty Award-2009	National

Sr. No.	Faculty	Awards/Recognitions	National/International
1	Mr. Yashil Handa	Best Paper Award, ACN SARC International Conference, 7 th August 2016, New Delhi	National
		Best Paper Award, International Conference of Nanotechnology and Biomedical Engineering in Dubai, United Arab Emirates, 11-12 Jan 2015	International

		Best Poster Award, International Conference on Contemporary Advances of Science and Technology, BHU Varanasi 7 th - 9 th August 2015	National
2	Ms. Sakshi Sethi	Best Poster Award, Amifest, Amity University, Gurgaon, Feb-2016	National

- Doctoral / post doctoral fellows
- Students

S.No.	Institute/ Department	Title of Award	Student's Name	Details	Remarks
1	ECE, ASET(AUH)	Patent Filed	Pavleen Singh Bali(B.Tech. ECE) ,	Gyroscopic Multi Movement Ducted Propeller for Aircraft Patent No.:3221/DEL/2014	
2	ECE, ASET(AUH)	Patent Filed	Rishabh Patel(B.Tech. ECE) Mayank Gaur(B.Tech. EEE)	Two Stage turned Signal for Vehicles Patent No.:2756/DEL/ 2015	Field of Invention Electrical & Published with No. 39/2015
3	ECE, ASET(AUH)	First Prize for Research Project	Ayush Awasthi	Engineering Project Exhibition (EPE) held at Ansal University Gurgaon.	Cash Prize of Rs. 10000.
4	ECE, ASET(AUH)	First Prize for Research Project	Rishabh Patel	Ami-Innovision held at Amity University Gurgaon	

5	ECE, ASET(AUH)	First Prize for Research Project	Rishabh Patel	Inbush Era held at Amity University Noida	
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**30. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any. :
(Details are available with Annexure II.**

S. No.	Title of Conference	Date	Level	Funding Agency	Organized by	Proceeding Details		
						Title	ISBN No.	Publisher
1.	NCACT	8-9 Sept,2011	National	DST	ECE, ASET	Advancement in Convergence of Technologies	978- 81- 8424- 705-3	Allied
2.	COGNITION	25-26 Feb,2015	National	Integer Innovation	CSE, ASET	Innovation in Computing and Information Technology	978- 81- 9299 91-8 -0	CBC

31. Code of ethics for research followed by the departments:

- i. transfer of skills and knowledge
- ii. open-mindedness in approaching conflict
- iii. creativity and innovation
- iv. enhancing the productivity
- v. excellence in all the work
- vi. the involvement of the participants or the research process, should be brought to the immediate attention of the supervisor concerned and should be satisfactorily resolved before the researcher commences or continues the research project.
- vii. Should the methodology of a research project necessitate the concealment of information, the researcher should before conducting such a study
 - determine whether the use of such a methodology is justified by the project's prospective scientific, educational or applied value,
 - determine whether alternative procedures that do not require the concealment of information could be used instead,
 - and ensure that the participants are given the reasons for the concealment of information as soon as is practically possible.

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
		84.5%	15.7%		

3.3. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of Students From Other Countries

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

- Defense services number of students 10+
- GATE number of student 4

35. Student progression

Civil Department

Student progression	Percentage against enrolled
UG to PG	2.1%
PG to M.Phil.	NIL
PG to Ph.D.	NIL
Ph.D. to Post-Doctoral	NIL
Employed <ul style="list-style-type: none"> • CAMPUS SELECTION • Other than campus recruitment 	
Entrepreneurs	70%

Department of CSE

Student progression	Percentage against enrolled
UG to PG	6%
PG to M.Phil.	NIL
PG to Ph.D.	01
Ph.D. to Post-Doctoral	NIL
Employed <ul style="list-style-type: none"> • CAMPUS SELECTION • Other than campus recruitment 	
Entrepreneurs	20%

Department of Electronics and Communication

Student progression	Percentage against enrolled
UG to PG	0
PG to M.Phil.	0
PG to Ph.D.	0
Ph.D. to Post-Doctoral	0
Employed	
<input type="checkbox"/> Campus selection	45
<input type="checkbox"/> Other than campus recruitment	0
Entrepreneurs	0.4

Department of Aero Space Engineering

Student progression	Percentage against enrolled
UG to PG	0
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	
<input type="checkbox"/> Campus selection	37
<input type="checkbox"/> Other than campus recruitment	0
Entrepreneurs	11%

36. Diversity of staff

Department of Bio Medical Engineering

Percentage of faculty who are graduates	
of the same university	NIL
from other universities within the State	33%
from universities from other States	33%
from universities outside the country	33%

Department of Electronics Engineering

Percentage of faculty who are graduates	Percentage
of the same university	0
from other universities within the State	37
from universities from other States	63
from universities outside the country	0

Department of Civil Engineering

Percentage of faculty who are graduates	
of the same university	NIL
from other universities within the State	2
from universities from other States	3
from universities outside the country	NIL

Department of Mechanical Engineering

Percentage of faculty who are graduates	
of the same university	NIL
from other universities within the State	50%
from universities from other States	50%
universities outside the country	NIL

Department of Aero Space Engineering

Percentage of faculty who are graduates	
of the same university	0
from other universities within the State	33.33
from universities from other States	66.67
from universities outside the country	NA

Department of Computer Science and Engineering

Percentage of faculty who are graduates	
of the same university	0
from other universities within the State	7
from universities from other States	11
from Universities outside the country	0

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

- Dr. Kramjit Kaur, ECE, Thapar University
- Dr Sanjeev Sharma, MAE, GLA Mathura
- Dr Vineet Jain, MAE, YMCA
- Dr Rajesh Arora, MAE, YMCA

- Dr Vikas Thada , CSE, Rajasthan University

38. Present details of departmental infrastructural facilities with regard to

- Library: There is a central library common to whole university situated in A block.
- Internet facilities for staff and students: The staff has access to local area network in their workstations. There are WiFi hotspot zones in each block which can be used by all faculty, staff and students.
- Total number of class rooms: 36 classrooms common for whole ASET.
- Class rooms with ICT facility:1
- Students' laboratories:

S.No	Department wise Details of Labs	Number of Labs
1	Department of Physics	2
2	Department of Chemistry	1
3	Department of Mathematics	2
4	Computer Science Engineering & Information Technology Engineering	33
5	Mechanical and Automation Engineering	22
6	Civil Engineering	10
7	Electronics & Communication Engineering	25
8	Electrical and Electronics Engineering	5
9	Biomedical Engineering	4
10	Aerospace Engineering	4
11	Inter Disciplinary Labs	3

- Research laboratories:1

39. List of doctoral, post-doctoral students and Research Associates

- from the host institution/university: 63 (ANNEXURE III)
- from other institutions/universities:26 (ANNEXURE IV)

40. **Number of post graduate students getting financial assistance from the university.** Nil

41. **Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

Whenever a programme is to be introduced, a proposal for the same is prepared highlighting the programme details including the course curriculum learning outcomes, placement opportunities, industries demand etc. This proposal is forwarded by the HOD through director to Board of Studies and Academic Council and Finally Board of Management.

42. **Does the department obtain feedback from**

a. **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

The feedback regarding curriculum is obtained from the faculties. The course curriculum is revised as per the feedback which is then forwarded by the HOD through proper channel to Board of Studies. Once approved by BoS, modifications are made in the respective curriculum and the new curriculum is floated.

b. **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

In each semester, every student gives the feedback twice separately for each subject through Amity web portal i.e. Amizone .One feedback is submitted just after the commencements of semester while the other is filled before exams. Each feedback consists of several components related to curriculum and faculty. At the end of semester a combined sheet of faculty feedback is prepared for the whole department which is one of the important criteria for faculty assessment.

c. **alumni and employers on the programmes offered and how does the department utilize the feedback?**

Before leaving the university, every pass-out student needs to fill a feedback form.

43. List the distinguished alumni of the department (maximum 10):

- Department of Electronics and Communication:

S. No.	Student Name	Company	Batch
1	SIDDHARTHA CHOUDHARI	TCS	2010-14
2	AKASH GUPTA	Inuit Technology	2010-14
3	PAVLEEN SINGH BALI	Aricent	2011-15
4	ANJALI RATHORE	Wipro	2011-15
5	ITESHREE SHARMA	HCL Technology	2011-15
6	SHILPESH SINHA	Capgemini	2011-15
7	AAYUSH AWASTHI	Aricent	2012-16
8	DEEPAK BAJAJ	Wipro	2012-16
9	ARSHEE SIDDIQUI	IGate	2012-16
10	SHREYA PAHUJA	Ericsson	2012-16

Department of Mechanical Engineering

Sr. No.	Name of the Student	Company	Batch
1	Shubham Dahuha	Wipro	2012-2016
2	Mukul Kumar	Hettich India Ltd.	2012-2016
3	Rahul Singh	Hettich India Ltd.	2012-2016
4	Deepak Tripathi	Terra Motors	2012-2016
5	Aditya Singh Khuswah	Terra Motors	2012-2016
6	Ankit Gupta	Capgemini	2011-2015
7	Pooja Rani	Genpact	2011-2015
8	Karan Dua	Wipro	2011-2015
9	Mayank Chhabra	Indian Navy	2010-2014
10	Ankit Jain	TCS	2010-2014

Department of Bio Medical Engineering

S. No	Student	Company	Batch
1	Aditya Ganguli	Medanta Medicity	2012-16
2	Divya Pushp	Project Assistant, CSIR	2012-16
3	Shivang Sharma	Medtronics India Pvt. Ltd.	2012-16
4	Aneecia Ghosh	Apollo Hospital	2012-16
5	Sanchit	Artemis Hospital, Gurgaon	2012-16
6	Ritika	TeknoDerm, New Delhi	2012-16
7	Gaurav Rohilla	Perfint Healthcare Pvt. Ltd	2012-16

Department of Computer Science and Engineering

Department of Aero Space Engineering

Department of Civil Engineering

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.: (Details are attached in ANNEXURE II)
45. List the teaching methods adopted by the faculty for different programmes.
- Classroom lectures
 - Class discussion
 - Power point/Audio/Video Presentation
 - Seminars
 - Assignments
 - Projects
 - Research papers
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- To monitor the students, regular class tests, quizzes and home assignments are followed up which then makes a major component of internal marks as well.
 - To monitor the course coverage, the topic covered is marked while submitting

attendance on amizone. In addition, a manual status about course coverage is collected twice during semester.

47. Highlight the participation of students and faculty in extension activities.

- **Amifest:** It comprises of multiple interesting events organised by different schools in which participation is open to the students of whole university.
- **Sangathan:** A sports meet is conducted in the month of September. Students and faculty from whole university participate in different games and represent their schools.
- **Kumbh of Innovation:** In the month of October, faculty and students get an opportunity to display their innovative research projects, papers, posters etc.
- **Military Training:** All the students are required to attend a one week long military training camp once during their programme.
- In addition to these several seminars, guest lectures, and industrial visits are organised.

48. Give details of “beyond syllabus scholarly activities” of the department.

- Many seminars, guest lectures, workshops etc are organised by the department for students and faculties.
- Industrial visits are conducted for the exposure of students to practical platform.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Amity University Haryana has been established by Haryana Act No. 10 (2010) of Government of Haryana and is recognized as per Section 2(f) of the UGC Act. Amity University is listed in the official website of UGC. Industry oriented academic programmes with flexible credit system, combining technical education with liberal arts, extensive and exhaustive course curriculum keeping in view of the industry requirements, international exposure, rigorous training and extracurricular activities and specially designed activities for upgrading skills and competencies for overall growth and good quality of life, are the typical features of this University which really differentiate it from other Universities of India.

The university on the whole is accredited/graded by many agencies including Accreditation Service for International Colleges (ASIC) as a premier college for the period 7th July, 2015 to 6th July 2019. Some of the awards received are:

- Best private university of the year by ASSOCHAM 2015
- Asia's 100 best institutes by KPMG & WCRC 2014

- Best private university in Haryana by CMAI 2014
- Winner of innovation in teaching Pedagogy at digital learning world education summit 2013
- For ICT initiative of the year at Digital Bharat Summit award 2015
- Best University to use ICT in education by ASSOCHAM 2014
- Best innovation in industry integration at excellence in Education Conclave 2013 by Hindustan times
- Most innovative private university in North India at Education Excellence Summit 2013

Some accreditations and grades for Amity School of Engineering and Technology are:

- Ranked # 1 EMERGING ENGINEERING SCHOOL OF INDIA as published in the Times of India on 26th June 2014.
- Best private university engineering for the year 2015 by PHD Chamber of Commerce Industry.
- Amity School of Engineering and Technology has been ranked among the top ten category A+ Institutes and number 1 in Academic Excellence across India by Business Management Chronicle, June/July Edition 2015 (All India Engineering Survey 2015).
- Amity School of Engineering and Technology is an Academic Affiliate of the Institution of Engineering and Technology, UK, from January 2016 to December 2016.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Some of the highlights are

Effect of Amla, Ashwagandha and Arjuna on Heart Function and ECG	BME	Mr Yashil Handa, Dr Priti Singh	Divya, Santosh, Gunjan
Smart Electronic Voice Controlled Wheelchair	ECE	Mr. Manoj Kr Pandey, Rajat Butola	Deepak Kr. Lodhi, Addala Varun, Prashant Solanki, Prakshi, Ritakshi

3-D Printer	ME	Mr. Gopal Krishan, Mr. Vineet jain, Mr. Ravikaant	
Amirone	ECE	Mr Pavleen Bali	Shubam,Ankur,Deepak,Soan, Harivansh
Blind Stick	CSE	Ms. Juhi Singh	Vivek Kashyap,Chandni
Bionic Arm	Robotics	Mr. Manoj Chaudhary	
Quadcopter	Robotics	Mr. Manoj Chaudhary	
Ami Robot	Robotics	Mr. Manoj Chaudhary	
3-D Printer	ASET(MAE)	Mr. Gopal Krishan, Mr. Vineet jain, Mr. Ravikaant	3-D Printer

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength

- Academic excellence
- ICT Infrastructure
- Innovation Incubator
- Industry Connect
- Well experienced faculty
- Flexi credit system
- Advance Research Facilities

Weakness

- As of now, number of faculties with doctorate degree is very less in number.
- Less research infrastructure at Ph D Level

Dr Sunita Sharma.

V K Nary
Director, ASET
Amity University
Dr. Ghanshya Singh
ANIT Jaipur

Dr. Anil Kumar