INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

Internal Quality Assurance Centre (IQAC)

External Audit

2021-2022

INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

INTERNAL QUALITY ASSURANCE CENTRE

EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT: 2021 – 2022

Part – I: PRELIMINARY INFORMATION

09 December, 2022

Name of the Department	:	**CSE (CYBER SECURITY)**
Address of the Institute	:	**DUNDIGAL, HYDERABAD**
Date and time of visit	:	**09-12-2022**
Members of the Audit Committee	:	
1. Dr. K G Srinivas Professor of Data Science and Artificial Intelligence International Institute of Information Technology, Naya Raipur.	:	
2. Dr. V C Veera Reddy Prof. of Electrical and Electronics Engineering School of Engineering and Technology Sri Padmavati Mahila Visvavidyalayam Tirupathi, Andhra Pradesh	:	

NAME OF THE DEPARTMENT: CSE (CYBER SECURITY)

PART – II: ACADEMIC INFORMATION

S. No	Particular	Remarks / Suggestions
1	**Curricular Aspects** (a) Courses Offered | Name of the Course	Intake | |---|---|
B.Tech	60 | (b) Semester wise curricular Plan: **Available**	The department is offering UG program, and is running as per plan. The department has all potentials to start PG program. Department has well defined curriculum plan. Details are attached.

	(c) Coverage of Syllabus: **100%**	It is observed that all the faculties cover entire syllabus recommended by the BOS. Details for academic course file, attendance registers, roll list, academic calendar and time tables are attached.

2.	**Faculty Status: 5**
	Total Faculty:5
	(a) Teacher: Student Ratio: **60:5=12**
	
	(b) How many of the faculty members possess degrees of
	    (i) Ph.D: 1
	    (ii) M.Tech:4
	
	(c) Teaching Experience of the Faculty in the institute:
		The department has reasonably good faculty student ratio. The department has efficient and experienced faculty. Faculty list is attached.

(c) Teaching Experience of the Faculty in the institute:

Tenure	No of Faculty
More than 4 Years	1
Between 1 to 2 Years	2
Below 1 Year	2

3	**Teaching – Learning**
	a) Availability of Course Files: **Available**
	b) Student Assignments: **Not Available**
	c) Good Question Bank is Available: **Available**
	d) Remedial Coaching: **Conducting**
	e) Student Centric Activities:
	  ❖ Quizzes / workshops / competitions conducted: **Yes**
	f) Use of supplementary teaching tools and application of ICT
	  e-Content developing through ELRV (e Learning Readiness Videos)
		Every faculty maintains course full stack. Sample course file contents are attached. It is observed that all the faculties conduct the tutorial classes as per the BOS guidelines.
		
		Remedial classes are conducted based on the performance of the students.
		
		Conducting Workshops/competitions and related information is attached.
		
		All the class rooms are ICT enable to facilitate teaching-learning process more effectively.

4	Laboratory Facilities: **(a)** Number of Laboratories: **3** (b) Installation of Softwares: **Yes** (c) Up gradation as per new technological developments and requirements of the course curriculum. **Using as per course curriculum** (d) Availability of licensed software as per the course curriculum: **Yes** (e) Number of Computer Labs: **3** (f) Number of PCs: **72** (g) Softwares available: **List Attached**	Yes. All laboratory equipments available as per theJNTUH norms and the syllabus. Each Laboratory has qualified lab instructor/technician to take care of the maintenance of the equipment. i. All the licensed softwares available in the department

	(h) No of Printers available: **2**		are attached.

5	**Faculty Development Programs:**
	
	(a) FDPs attended by the faculty:
	    (i) National: **4**
	    (ii)International: **Nil**
	
	(b) Conferences attended by the faculty:
	    (i) National: **Nil**
	    (ii) International: **2**
	
	(c) Workshops attended by the faculty:
	    (i)National: **3**
	    (ii) International: Nil
	
	(d) Short term Courses attended by the faculty:
	    (i) National: **Nil**
	    (ii) International: **Nil**
	
	(e) Facility of Study Leave with pay for faculty to pursue higher studies or attend FDPs: **0**
	
	(f) Reimbursement of Registration Fee and TA / DA expenses along with Special Casual Leave for participation in FDPs/Conferences/ Workshops etc.
	Nil
	(g) Provision of Computing facility to individual faculty (Desktop/Laptop)
	1 desktop and 1 Laptop allotted to the department
		Yes. Registration fee, TA and DA and OD will be sanctioned for the faculty attending FDPs.
		
		Attended FDPs/Conferences/Workshops etc. details are attached.

6	**Research Publications:**
	
	(a) No. of publications in Journals
	    (i) National : **Nil**
	    (ii) International : **2**
	
	(b) No. of publications in Conferences
	    (i) National : **Nil**
	    (ii) International : 1
	    (iii)Book Chapters: 1
		Research Publications details are attached.

7	**Library, Internet & other facilities:**
	
	(a) Department Library:
	    (i) Number of Titles: **114**
	    (ii) Total volumes of Books: **560**
	    (iii)Number of Journals: **3 hard copies**
	    (iv)Digital Library: **Yes available**
	
	(b) Internet Connectivity: **Yes**
		IEEE journal publications may be subscribed related to Cyber Security
		
		Department Specific Journals may increase.

(c) Placement Activities:
    (i) No. of companies Visited: **NA**
    (ii) No. of Placements offered: **NA**
    (iii) Average salary offered: **NA**
    (iv) Off campus placements: - **NA**
    (v) On campus placements: - **NA**
    (vi) Existence of Training & Placement Office in the institute: **Yes Existing**	

Signature of the External Members:	

INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500 043

INTERNAL QUALITY ASSURANCE CENTRE

EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT: 2021 – 2022

Part – I: PRELIMINARY INFORMATION

10 December, 2022

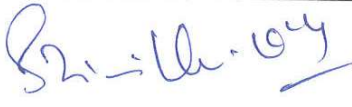|		
Name of the Department	:	Computer Science and Engineering (Data Science)
Address of the Institute	:	Dundigal, Hyderabad
Date and time of visit	:	10.12.2022, 10:00AM
Members of the Audit Committee	:	02
1. Dr. K G Srinivas Professor of Data Science and Artificial Intelligence International Institute of Information Technology, Naya Raipur.	:	
2. Dr. V C Veera Reddy Prof. of Electrical and Electronics Engineering School of Engineering and Technology Sri Padmavati Mahila Visvavidyalayam Tirupathi, Andhra Pradesh	:	

NAME OF THE DEPARTMENT: MECHANICAL ENGINEERING

PART – II: ACADEMIC INFORMATION

S. No	Particular	Remarks / Suggestions
1	**Curricular Aspects** (a) Courses Offered | Name of the Course	Intake
---	---
B.Tech	180
M.Tech	Nil		The department is offering UG program, and it is running in well planned manner. Department has well defined curriculum plan. Details are attached.

	(b) Semester wise curricular Plan: Available (c) Coverage of Syllabus: Details are attached		It is observed that all faculty cover entire syllabus recommended by this BOS. Details like academic course file, attendance registers, roll list, academic calendar and time tables are attached.

2.	**Faculty Status:**
	Total Faculty:6
	(a) Teacher: Student Ratio: 1:30
	(b) How many of the faculty members possess degrees of
	    (i) Ph.D: 3
	    (ii) M.Tech: 3
	
	(c) Teaching Experience of the Faculty in the institute:
			The department has reasonably good faculty student ratio. The department has efficient end enthusiastic faculty. Faculty list is attached.

	Tenure	No.of Faculty	
	More than 3 Years	01	
	Between 2 to 3 Years	0	
	Between 1 to 2 Years	0	
	Below 1 year	05	
3	**Teaching – Learning** a) Availability of Course Files: Yes b) Student Assignments: Yes c) Tutorial classes: Yes d) Remedial Coaching: Yes e) Student Centric Activities: Yes ❖ Quizzes / workshops / competitions conducted: f) Use of supplementary teaching tools and application of ICT		Each faculty maintains course full stack. Sample course file contents are attached. It is observed that all faculties conduct the tutorial classes as per the BOS guidelines. Depending on requirement remedial classes will be conducted. Workshops/competitions are conducted and related information is attached. All class rooms are ICT enable to facilitate teaching-learning process more effective.
4	Laboratory Facilities: (a) Number of Laboratories: 04 (b) Working condition of equipment: Yes. (c) Up gradation as per new technological developments and requirements of the course curriculum. (d) Availability of licensed software as per the course curriculum. Yes (e) Number of Computer Labs: 04 (f) Number of PCs: 96 (g) Softwares available: Yes (h) No of Printers available: 02		Yes. All laboratory equipment available as per JNTUH norms and the syllabus and are in proper working condition. Each Laboratory has qualified lab instructor/technician to take care of the maintenance of the equipment.

5	**Faculty Development Programs:**	Yes.

	(a) FDPs attended by the faculty: 06
	   (i) National: 06
	   (ii) International: Nil
		Yes. Registration fee, TA and DA and OD will be given for faculty attending.

	(b) Conferences attended by the faculty: 04
	   (i) National: Nil 01
	   (ii) International: 03
		FDPs/Conferences/Workshops etc. Details are attached.
		Yes.

	(c) Workshops attended by the faculty:05
	   (i) National: 05
	   (ii) International: Nil	

	(d) Short term Courses attended by the faculty:01
	   (i) National: 01
	   (ii) International: Nill	

	(e) Facility of Study Leave with pay for faculty to pursue higher studies or attend FDPs: **Yes**	
	(f) Reimbursement of Registration Fee and TA / DA expenses along with Special Casual Leave for participation in FDPs/Conferences/Workshops, etc: **Yes**	
	(g) Provision of Computing facility to individual faculty (Desktop/Laptop) : Nill	

6	Research Publications:
	
	(a) No. of publications in Journals: 02
	   (i) National : Nil
	   (ii) International: 02
	
	(b) No. of publications in Conferences: 04
	   (i) National: Nil
	   (ii) International: 04
	   (iii)Book Chapters: Nil
		Details are attached.

7	**Library, Internet & other facilities:**
	
	(a) Department Library:
	   (i) Number of Titles: 40
	   (ii) Total volumes of Books: 200
	   (iii) Number of Journals: 05
	   (iv) Digital Library: Yes available
	
	(b) Internet Connectivity: Yes
	
	(c) Placement Activities:
	   (i) No. of companies Visited: NA
		Central Library: Yes
		Digital library: Yes
		e-journals: Yes
		ASME online: Yes
		IEEE journals: Yes
		Delnet e books: Yes
		NPTEL videos: Yes
		Magazines: Yes
		
		All are available with Central Library. Department Specific Journals may also increase.

(ii) No. of Placements offered: NA (iii) Average salary offered: NA (iv) Off campus placements: -NA (v) On campus placements: - NA (vi) Existence of Training & Placement Office in the Institute: YES	
Signature of the External Members:	

PRINCIPAL
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043
Telangana State

INTERNAL QUALITY ASSURANCE CENTRE

EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT: 2021 – 2022

Part – I: PRELIMINARY INFORMATION

09 December, 2022

Name of the Department:	Electronics and Communication Engineering
Address of the Institute:	Institute of Aeronautical Engineering, Dundigal, Hyderabad
Date and time of visit:	09 December, 2022
Members of the Audit Committee:	
1. Dr. K G Srinivas Professor of Data Science and Artificial Intelligence International Institute of Information Technology, Naya Raipur.	:
2. Dr. V C Veera Reddy Prof. of Electrical and Electronics Engineering School of Engineering and Technology Sri Padmavati Mahila Visvavidyalayam Tirupathi, Andhra Pradesh	:

NAME OF THE DEPARTMENT: Electronics and Communication Engineering
PART – II: ACADEMIC INFORMATION

S. No	Particular	Remarks / Suggestions
1	**Curricular Aspects** (a) Courses Offered | Name of the Course	Intake | | B.Tech | 240 | | M.Tech | 18 | (b) Semester wise curricular Plan: Available / Not available	The department is offering UG program, and it is running in well planned manner. Department has well defined curriculum plan. Details are attached.

	(c) Coverage of Syllabus: Details are attached	It is observed that all faculty covered entire syllabus recommended by this BOS. Details like academic course file, attendance registers, roll list, academic calendar and time tables are attached.
2	**Faculty Status:** **Total Faculty:54** (a) Teacher: Student Ratio:15.62 (b) How many of the faculty members possess degrees of (i) Ph.D:13 (ii) M.Tech:4 (c) Teaching Experience of the Faculty in the institute:5 Years	The department has reasonably good faculty student ratio. The department has efficient end enthusiastic faculty. Faculty list is attached.
3	**Teaching – Learning** a) Availability of Course Files b) Student Assignments c) Tutorial classes d) Remedial Coaching e) Student Centric Activities: ❖ Quizzes / workshops / competitions conducted: f) Use of supplementary teaching tools and application of ICT	Each faculty maintains course full stack. Sample course file contents are attached. It is observed that all faculties conduct the tutorial classes as per the BOS guidelines. Depending on requirement remedial classes will be conducted. Workshops/competitions are conducted and related information is attached. All class rooms are ICT enable to facilitate teaching-learning process more effective.
4	Laboratory Facilities: (a) Number of Laboratories:12 (b) Working condition of equipments; Good (c) Up gradation as per new technological developments and requirements of the course curriculum. (d) Availability of licensed software as per the course curriculum. Yes (e) Number of Computer Labs:7 (f) Number of PCs:225 (g) Softwares available :5 (h) No of Printers available:4	Yes. All laboratory equipment available as per JNTUH norms and the syllabus and are in proper working condition. Each Laboratory has qualified lab instructor/technician to take care of the maintenance of the equipment. All the licensed softwares available in the department are attached.

*check total staff

5	**Faculty Development Programs:**	Registration fee, TA, DA and OD will be given for faculty attending FDPs /Conferences /Workshops. Summary sheets containing information about FDPs/ Conferences/Workshops etc. attended by the faculty is attached.

	(a) FDPs attended by the faculty:
	    (i) National: 100
	    (ii) International: Nil	

	(b) Conferences attended by the faculty:
	    (i) National:
	    (ii) International: 32	

	(c) Workshops attended by the faculty:
	    (i) National:
	    (ii) International: Nil	

	(d) Short term Courses attended by the faculty: (i) National: International: Nil	
	(e) Facility of Study Leave with pay for faculty to pursue higher studies or attend FDPs	Yes
	(f) Reimbursement of Registration Fee and TA / DA expenses along with Special Casual Leave for participation in FDPs/Conferences/Workshops, etc.	Yes
	(g) Provision of Computing facility to individual faculty (Desktop/Laptop)	Yes
6	**Research Publications:**	

	(a) No. of publications in Journals
	    (i) National :
	    (ii) International: 17
		To be improved more.

	(b) No. of publications in Conferences
	    (i) National:
	    (ii) International: 18
	Book Chapters: 9
		National Conferences may be improved.
		Incentives are provided to the faculty for national / international/ book chapters /text books publications.

7	**Library Internet & other facilities:**	

	(a) Department Library:
	    (i) Number of Titles: 40
	    (ii) Total volumes of Books: 350
	    (iii) Number of Journals: 5
	    (iv) Digital Library: Yes available
		Branch specific journals may be increased/
		The Journals and books are available with Central library.

	(b) Internet Connectivity: Yes	Yes

	(c) Placement Activities:
	    (i) No. of companies Visited:**31**
	    (ii) No. of Placements offered:**187**
	    (iii) Average salary offered:**3.5 Lakh**
	    (iv) Off campus placements:
	    (v) On campus placements: 187
	        Existence of Training & Placement Office in the Institute: Yes
		Good.

Signature of the External Members:	

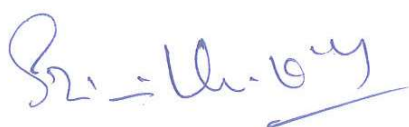PRINCIPAL

INSTITUTE OF AERONAUTICAL ENGINEERING

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Dundigal, Hyderabad - 500 043

INTERNAL QUALITY ASSURANCE CENTRE

EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT: 2021 – 2022

Part – I: PRELIMINARY INFORMATION

09 December, 2022

Name of the Department	:	CSE (AI & ML)
Address of the Institute	:	Institute of Aeronautical Engineering, Dundigal, Hyderabad – 500 043, Telangana State
Date and time of visit	:	10.12.2022, 10 AM
Members of the Audit Committee	:	
1. Dr. K G Srinivas Professor of Data Science and Artificial Intelligence International Institute of Information Technology, Naya Raipur.	:	
2. Dr. V C Veera Reddy Prof. of Electrical and Electronics Engineering School of Engineering and Technology Sri Padmavati Mahila Visvavidyalayam Tirupathi, Andhra Pradesh	:	

NAME OF THE DEPARTMENT: COMPUTER SCIENCE AND ENGINEERING (AI & ML)
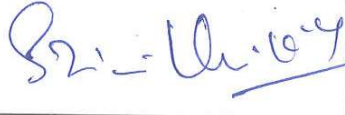
PART – II: ACADEMIC INFORMATION

S. No	Particular	Remarks / Suggestions
1	**Curricular Aspects** (a) Courses Offered | Name of the Course	Intake | |---|---| | B.Tech | 180 | | M.Tech | Nil |	The department is offering UG program, and it is running in well planned manner. At present the students are in III B.Tech.

	(b) Semester wise curricular Plan: Available / Not available (c) Coverage of Syllabus: Details are attached	Department has well defined curriculum plan. Details are attached. It is observed that all faculty cover entire syllabus recommended by this BOS. Details like academic course file, attendance registers, roll list, academic calendar and time tables are attached.

2.	**Faculty Status:**
	Total Faculty:
	(a) Teacher: Student Ratio: 1:24
	
	(b) How many of the faculty members possess degrees of
	    (i) Ph.D: 02
	    (ii) M.Tech: 08
	
	(c) Teaching Experience of the Faculty in the institute:
	
	| Tenure
		No. of Faculty

---	---
More than 4 Years	1
Between 3 to 4 Years	-
Between 2 to 3 Years	1
Between 1 to 2 Years	8		The department has reasonably good faculty student ratio. The department has efficient end enthusiastic faculty. Faculty list is attached.
3	**Teaching – Learning** a) Availability of Course Files b) Student Assignments c) Tutorial classes d) Remedial Coaching e) Student Centric Activities: ❖ Quizzes / workshops / competitions conducted: f) Use of supplementary teaching tools and application of ICT	Each faculty maintains course full stack. Sample course file contents are attached. It is observed that all faculties conduct the tutorial classes as per the BOS guidelines. Depending on requirement remedial classes will be conducted. Workshops/competitions are conducted and related information is attached. All class rooms are ICT enable to facilitate teaching-learning process more effective.
4	Laboratory Facilities: (a) Number of Laboratories: 02 (b) Working condition of equipment's. (c) Up gradation as per new technological developments and requirements of the course curriculum. (d) Availability of licensed software as per the course curriculum. Yes (e) Number of Computer Labs: 02	Yes. All laboratory equipment available as per JNTUH norms and the syllabus and are in proper working condition. Each Laboratory has qualified lab instructor/technician to take

		(f) Number of PCs: 96 (g) Softwares available : Yes (h) No of Printers available: 01	care of the maintenance of the equipment. **i.** All the licensed softwares available in the department are attached.

5		**Faculty Development Programs:**
		
		(a) FDPs attended by the faculty:
		   (i) National: 23
		   (ii) International: 0
		
		(b) Conferences attended by the faculty:
		   (i) National: 07
		   (ii) International:
		
		(c) Workshops attended by the faculty:
		   (i) National: 07
		   (ii) International: 01
		
		(d) Short term Courses attended by the faculty:
		   (i) National: 11
		   (ii) International: Nil
		
		(e) Facility of Study Leave with pay for faculty to pursue higher studies or attend FDPs
		
		(f) Reimbursement of Registration Fee and TA / DA expenses along with Special Casual Leave for participation in FDPs/Conferences/Workshops, etc.
		(g) Provision of Computing facility to individual faculty (Desktop/Laptop)
			Yes.
			
			Yes. Registration fee, TA and DA and OD will be given for faculty attending.
			
			FDPs/Conferences/Workshops etc. Details are attached.
			Yes.

6		Research Publications:
		
		(a) No. of publications in Journals
		   (i) National:
		   (ii) International: 05
		
		(b) No. of publications in Conferences
		   (i) National:
		   (ii) International: 07
		   (iii) Book Chapters: 01
			Details are attached.

7		**Library, Internet & other facilities:**
		
		(a) Department Library:
		   (i) Number of Titles: 20
		   (ii) Total volumes of Books: 50
		   (iii) Number of Journals: 45
		   (iv) Digital Library: Yes available
			Central Library: Yes
			Digital library: Yes
			e-journals: Yes
			ASME online: Yes
			IEEE journals: Yes
			Delnet e books: Yes
			NPTEL videos: Yes
			All are Available in the Central Library
			
			Department Specific Journals may increase.

	Magazines:

(b) Internet Connectivity: Yes
 	
(c) Placement Activities: **Not Applicable as the students are in III Year**
  (i)   No. of companies Visited:
  (ii) No. of Placements offered:
  (iii) Average salary offered:
  (iv) Off campus placements: -
  (v) On campus placements: -
  (vi) Existence of Training & Placement Office in the Institute:
	,

Signature of the External Members:	*[signatures]* vcmeddy

[signature]

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INSTITUTE OF AERONAUTICAL ENGINEERING

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INTERNAL QUALITY ASSURANCE CENTRE

EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT: 2021 – 2022

Part – I: PRELIMINARY INFORMATION

09 December, 2022

Name of the Department	:	ELECTRICAL AND ELECTRONICS ENGNEERING
Address of the Institute	:	Dundigal, Hyderabad - 500 043
Date and time of visit	:	09 December,2022, 10:30 AM
Members of the Audit Committee	:	
1. Dr. K G Srinivas Professor of Data Science and Artificial Intelligence International Institute of Information Technology, Naya Raipur.	:	
2. Dr. V C Veera Reddy Prof. of Electrical and Electronics Engineering School of Engineering and Technology Sri Padmavati Mahila Visvavidyalayam Tirupathi, Andhra Pradesh	:	

NAME OF THE DEPARTMENT: MECHANICAL ENGINEERING

PART – II: ACADEMIC INFORMATION

S. No	Particular	Remarks / Suggestions
1	**Curricular Aspects** (a) Courses Offered | Name of the Course	Intake
---	---
B.Tech	60
M.Tech	18 | (b) Semester wise curricular Plan: Available / Not available	The department is offering UG program, and it is running in well planned manner. The department has all potential to start PG program. Department has well defined curriculum plan. Details are attached.

		(c) Coverage of Syllabus: Details are attached	It is observed that all faculty cover entire syllabus recommended by this BOS. Details like academic course file, attendance registers, roll list, academic calendar and time tables are attached.

2.		**Faculty Status:**
		Total Faculty:
		(a) Teacher: Student Ratio: 14.04 ✳
		
		(b) How many of the faculty members possess degrees of
		    (i) Ph.D: 10
		    (ii) M.Tech:15
		
		(c) Teaching Experience of the Faculty in the institute: Attached
			The department has reasonably good faculty student ratio. The department has efficient end enthusiastic faculty. Faculty list is attached.

Teaching Experience table:

	>10 years	5-10 yrs	2-5 years	<2 years
2021-22	2	10	7	6

3		**Teaching – Learning** a) Availability of Course Files: **Yes** b) Student Assignments: **Yes** c) Tutorial classes: **Yes** d) Remedial Coaching: **Yes** e) Student Centric Activities: ❖ Quizzes / workshops / competitions conducted: Yes f) Use of supplementary teaching tools and application of **ICT: PPT, Smart TV, Early Learning Readiness Videos (ELRV)**	Each faculty maintains course full stack. Sample course file contents are attached. It is observed that all faculties conduct the tutorial classes as per the BOS guidelines. Depending on requirement remedial classes will be conducted. Workshops/competitions are conducted and related information is attached. All class rooms are ICT enable to facilitate teaching-learning process more effective.
4		Laboratory Facilities: **(a)** Number of Laboratories: **15** (b) Working condition of equipment: **All** (c) Up gradation as per new technological developments and requirements of the course curriculum: **Yes** (d) Availability of licensed software as per the course curriculum. **Yes** (e) Number of Computer Labs: **2** (f) Number of PCs: 102	Yes. All laboratory equipment available as per JNTUH norms and the syllabus and are in proper working condition. Each Laboratory has qualified lab instructor/technician to take care of the maintenance of the equipment.

✳   ratio : 1:14·04 ?

		(g) Softwares available: MATLAB, PSCAD (h) No of Printers available: 03	**i.** All the licensed softwares available in the department are attached.

5		**Faculty Development Programs:**
		
		 (a) FDPs attended by the faculty:
		    (i) National: 115
		    (ii) International: Nil
		
		 (b) Conferences attended by the faculty:
		    (i) National: Nil
		    (ii) International: 15
		
		 (c) Workshops attended by the faculty:
		    (i) National: 12
		    (ii) International: Nil
		
		 (d) Short term Courses attended by the faculty:
		    (i) National: 07
		    (ii) International: Nil
		
		 (e) Facility of Study Leave with pay for faculty to pursue higher studies or attend FDPs: **Yes**
		
		 (f) Reimbursement of Registration Fee and TA / DA expenses along with Special Casual Leave for participation in FDPs/Conferences/Workshops, etc. :**Yes**
		 (g) Provision of Computing facility to individual faculty (Desktop/Laptop):**Yes**
			Yes.
			
			 Yes. Registration fee, TA and DA and OD will be given for faculty attending.
			
			 FDPs/Conferences/Workshops etc. Details are attached.
			 Yes.

6		Research Publications:
		
		 (a) No. of publications in Journals
		    (i) National :
		    (ii) International: **9**
		
		 (b) No. of publications in Conferences
		    (i) National:
		    (ii) International: **13**
		    (iii) Book Chapters: **2**
			Details are attached.

7		**Library, Internet & other facilities:**
		
		 (a) Department Library:
		    (i) Number of Titles: 157
		    (ii) Total volumes of Books: 157
		    (iii) Number of Journals: NIL
		    (iv) Digital Library: Yes available
		
		 (b) Internet Connectivity: Yes
			Central Library: Yes
			 Digital library: Yes
			 e-journals: Yes
			 ASME online:
			 IEEE journals: Yes
			 Delnet e books: Yes
			 NPTEL videos: Yes
			 Magazines: Yes

(c) Placement Activities:
   (i) No. of companies Visited: **73**
  (ii) No. of Placements offered: **151**
 (iii) Average salary offered: **4.80 LPA**
 (iv) Off campus placements: -
  (v) On campus placements: -
 (vi) Existence of Training & Placement Office in the
      Institute: **Yes**
	Details are available.

Signature of the External Members:	

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INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043
Telangana State
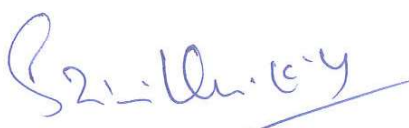
INSTITUTE OF AERONAUTICAL ENGINEERING

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Dundigal, Hyderabad - 500 043

INTERNAL QUALITY ASSURANCE CENTRE

EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT: 2021 – 2022

Part – I: PRELIMINARY INFORMATION

09 December 2022

Name of the Department	:	Computer Science and Information Technology
Address of the Institute	:	Institute of Aeronautical Engineering, Dundigal, Hyderabad
Date and time of visit	:	
Members of the Audit Committee	:	
1. Dr. K G Srinivas Professor of Data Science and Artificial Intelligence International Institute of Information Technology, Naya Raipur.	:	
2. Dr. V C Veera Reddy Prof. of Electrical and Electronics Engineering School of Engineering and Technology Sri Padmavati Mahila Visvavidyalayam Tirupathi, Andhra Pradesh	:	

NAME OF THE DEPARTMENT: COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

PART – II: ACADEMIC INFORMATION

S. No	Particular	Remarks / Suggestions
1	**Curricular Aspects** (a) Courses Offered | Name of the Course	Intake
---	---
B. Tech	120
M.Tech	--		The department is offering a UG program, and it is running in a well-planned manner. The department is not offering the PG program.

	(b) Semester-wise curricular Plan: Available / Not available (c) Coverage of Syllabus: Details are attached	The department has a well-defined curriculum plan. Details are attached. It is observed that all faculty cover the entire syllabus recommended by this BOS. Details like academic course files, attendance registers, roll lists, academic calendars, and timetables are attached.

2.	**Faculty Status:**
	Total Faculty:
	(a) Teacher: Student Ratio: 1:20
	
	(b) How many of the faculty members possess degrees of
	  (i) Ph.D.: 02
	  (ii) M.Tech:04
	
	(c) Teaching Experience of the Faculty in the institute:
		The department has a reasonably good faculty-student ratio. The department has an efficient end, enthusiastic faculty. The faculty list is attached.

3	**Teaching – Learning** a) Availability of Course Files b) Student Assignments c) Tutorial classes d) Remedial Coaching e) Student-Centric Activities: ❖ Quizzes/workshops/competitions conducted: f) Use of supplementary teaching tools and application of ICT	Each faculty maintains a course full stack. Sample course file contents are attached. It is observed that all faculty members conduct tutorial classes as per the BOS guidelines. Depending on requirements remedial classes will be conducted. Workshops/competitions are conducted and related information is attached. All classrooms are ICT enabled to facilitate the teaching-learning process more effectively.
4	**Laboratory Facilities:** (a) Number of Laboratories: 03 (b) Working condition of the equipment. (c) Upgradation as per new technological developments and requirements of the course curriculum. (d) Availability of licensed software as per the course curriculum. Yes (e) Number of Computer Labs:03 (f) Number of PCs: 64 (g) Software available (h) No of Printers available:04	Yes. All laboratory equipment is available as per JNTUH norms and the syllabus and is in proper working condition. Each Laboratory has a qualified lab instructor/technician to take care of the maintenance of the equipment.

			All the licensed software available in the department is attached.
5	**Faculty Development Programs:**		Yes.
	(a) FDPs attended by the faculty: (i) National: 02 (ii) International: Nil		Yes. Registration fee, TA and DA, and OD will be given for faculty attending.
	(b) Conferences attended by the faculty: (i) National: Nil (ii) International: Nil		FDPs/Conferences/Workshops etc. Details are attached. Yes.
	(c) Workshops attended by the faculty: (i) National: Nil (ii) International: Nil		
	(d) Short-term Courses attended by the faculty: (i) National: Nil (ii) International: Nil		
	(e) Facility of Study Leave with pay for faculty to pursue higher studies or attend FDPs		
	(f) Reimbursement of Registration Fee and TA / DA expenses along with Special Casual Leave for participation in FDPs/Conferences/Workshops, etc.		
	(g) Provision of Computing facility to individual faculty (Desktop/Laptop)		
6	**Research Publications:**		Details are attached.
	(a) No. of publications in Journals (i) National: 00 (ii) International: 04		
	(b) No. of publications in Conferences (i) National: Nil (ii) International: Nil (iii) Book Chapters: Nil		
7	**Library, Internet & other facilities:**		Central Library: Digital library: e-journals: ASME online: IEEE journals: Delnet e books: NPTEL videos: Magazines:
	(a) Department Library: NA (i) Number of Titles: (ii) Total volumes of Books: (iii) Number of Journals: (iv) Digital Library: Yes available		
	(b) Internet Connectivity: Yes		

(c) Placement Activities: NA
   (i) No. of companies Visited:
   (ii) No. of Placements offered:
   (iii) Average salary offered:
   (iv) Off-campus placements: NA
   (v) On-campus placements: NA
   (vi) Existence of Training & Placement Office in the
      Institute:
	Details are available.

Signature of the External Members:	*[signatures]*

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INSTITUTE OF AERONAUTICAL ENGINEERING
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Telangana State

INSTITUTE OF AERONAUTICAL ENGINEERING

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INTERNAL QUALITY ASSURANCE CENTRE

EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT: 2021 –

2022Part – I: PRELIMINARY INFORMATION

09 December, 2022

Name of the Department:	Computer Science and Engineering
Address of the Institute:	Dundigal, Hyderabad
Date and time of visit:	09-12-2022
Members of the Audit Committee:	
1. **Dr. K G Srinivas** Professor of Data Science and Artificial Intelligence International Institute of Information Technology, Naya Raipur.	:
2. **Dr. V C Veera Reddy** Prof. of Electrical and Electronics Engineering School of Engineering and Technology Sri Padmavati Mahila Visvavidyalayam Tirupathi, Andhra Pradesh	:

NAME OF THE DEPARTMENT: COMPUTER SCIENCE AND ENGINEERING

PART – II: ACADEMIC INFORMATION

S. No	Particular	Remarks / Suggestions
	1. Curricular Aspects (a) Courses Offered 	The department is offering UG & PG programs, and are running in well planned manner. Both Programs have well defined curriculum plan and are available. The syllabus coverage is as per

Name of the Course	Intake
B.Tech	260
M.Tech	18

	(b) Semester wise curricular Plan: Available both online and offline (c) Coverage of Syllabus: Activity Dairy Report attached and also available online in the website.		schedule of instructions planned by the respective faculty. Details like academic course file, attendance registers, roll list, academic calendar and time tables are attached and also available in website.
2	**Faculty Status :** **Total Faculty:** (a) Teacher: Student Ratio: 12.51 (b) How many of the faculty members possess degrees of (i) Ph.D: 15 (ii) M.Tech: 46 (c) Teaching Experience of the Faculty in the institute: 72 % of Faculty Retained		The department has Excellent faculty student ratio. The department has qualified and efficient faculty. Faculty list is attached.
3	**Teaching –Learning** a) Availability of Course Files:**Yes** b) Student Assignments:**Yes** c) Tutorial classes:**Yes** d) Remedial Coaching: conducted e) Student Centric Activities: ❖ Quizzes / workshops / competitions conducted: 91 f) Use of supplementary teaching tools and application of ICT: each class room equipped with ICT tolls and Faculty teaches using ICT tools. • Video lectures by IARE Faculty are available for Students in the IARE YouTube Channel.		Each faculty develops course full stack for allocated courses by the department of OBE. Sample course file contents are attached. It is observed that all faculties conduct the tutorial classes as per the BOS guidelines. Depending on requirement remedial classes will be conducted. Workshops / hackathons / technical quizzes competitions were conducted. All class rooms are ICT enable to facilitate teaching-learning process more effective.
4	**Laboratory Facilities:** (a) Number of Laboratories:**9 Laboratories** (b) Working condition of equipment's:**Working** (c) Up gradation as per new technological developments and requirements of the course curriculum. (d) Availability of licensed software as per the course curriculum.**Yes** (e) Number of Computer Labs:**9 Laboratories** (f) Number of PCs:**297 Desktop Computer Systems** (g) Software's available: Yes (h) No of Printers available:**2 Printers**		All laboratory equipment available as per JNTUH norms and syllabus, are in proper working condition. Each Laboratory has qualified lab instructor/technician to take care of the maintenance of the equipment. 108 New Desktop Computer systems are upgraded as per new technological

		developments in laboratories
		List of licensed softwares available in the department is attached.

5	**Faculty Development Programs:**
	
	(a) FDPs attended by the faculty:
	    (i) National: 7
	    (ii) International: Nil
	
	(b) Conferences attended by the faculty:
	    (i) National: 25
	    (ii) International: Nil
	
	(c) Workshops attended by the faculty:
	    (i) National: 3
	    (ii) International: Nil
	
	(d) Short term Courses attended by the faculty:
	    (i) National: 03
	    (ii) International: Nil
		Registration fee, TA, DA and OD will be given for faculty attending FDPs /Conferences /Workshops.
		Summary sheets containing information about FDPs/ Conferences/Workshops etc. attended by the faculty is attached.

	(e) Facility of Study Leave with pay for faculty to pursue higher studies or attend FDPs	Yes
	(f) Reimbursement of Registration Fee and TA / DA expenses along with Special Casual Leave for participation in FDPs/Conferences/Workshops, etc.	Yes
	(g) Provision of Computing facility to individual faculty (Desktop/Laptop)	Yes

6	**Research Publications:**
	
	(a) No. of publications in Journals
	    (i) National :
	    (ii) International: 17
	
	(b) No. of publications in Conferences
	    (i) National:
	    (ii) International: 25
	    (iii) Book Chapters: 10
		Incentives are provided to the faculty for national / international/ book chapters /text books publications .

7	**Library Internet & other facilities:**
	
	(a) Department Library:
	    (i) Number of Titles:
	    (ii) Total volumes of Books:
	    (iii) Number of Journals:
	    (iv) Digital Library: Yes available
		Central Library:
		Digital library:
		e-journals:
		IEEE journals:
		Delnet e books:
		NPTEL videos:
		Magazines:

	(b) Internet Connectivity: Yes
	
	(c) Placement Activities:
	  (i) No. of companies Visited:**31**
	  (ii) No. of Placements offered:**163**
	  (iii) Averagesalaryoffered:**3 Lakh**
	  (iv) Off campus placements: **-4**
	  (v) On campus placements: **-159**
	  (vi) Existence of Training & Placement Office in the Institute?
		Details are available.

	Signature of the External Members:	

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INTERNAL QUALITY ASSURANCE CENTRE

EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT: 2021 – 2022

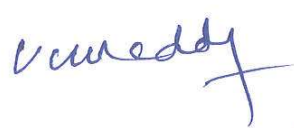### Part – I: PRELIMINARY INFORMATION

09 December, 2022

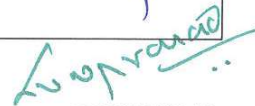|		
Name of the Department	:	Information Technology
Address of the Institute	:	IARE, Dundigal, Hyderabad
Date and time of visit	:	
Members of the Audit Committee	:	
1. Dr. K G Srinivas Professor of Data Science and Artificial Intelligence International Institute of Information Technology, Naya Raipur.	:	
2. Dr. V C Veera Reddy Prof. of Electrical and Electronics Engineering School of Engineering and Technology Sri Padmavati Mahila Visvavidyalayam Tirupathi, Andhra Pradesh	:	

NAME OF THE DEPARTMENT: INFORMATION TECHNOLOGY

PART – II: ACADEMIC INFORMATION

S. No	Particular	Remarks / Suggestions
1	**Curricular Aspects** (a) Courses Offered	The department is offering UG program, and it is running in well planned manner. Department has well defined curriculum plan. Details are attached.

Curricular Aspects table:

Name of the Course	Intake
B.Tech	120
M.Tech	—

(b) Semester wise curricular Plan: Available / Not available ✓

	(c) Coverage of Syllabus: Details are attached		It is observed that all faculty cover entire syllabus recommended by this BOS.

2.	**Faculty Status:**
	Total Faculty:
	(a) Teacher: Student Ratio: 21 : 396
	
	(b) How many of the faculty members possess degrees of
	   (i) Ph.D: 4
	   (ii) M.Tech: 17
	
	(c) Teaching Experience of the Faculty in the institute:
			The department has reasonably good faculty student ratio. The department has efficient and enthusiatic faculty Faculty list is attached.

3	**Teaching – Learning** a) Availability of Course Files b) Student Assignments c) Tutorial classes d) Remedial Coaching e) Student Centric Activities: ❖ Quizzes / workshops / competitions conducted: f) Use of supplementary teaching tools and application of ICT		Each faculty maintain course full stack. Sample course file Contents are attached. It is observed that all faculties conduct the tutorial classes as per the BOS guidelines. All class rooms are ICT enable to facilitate teaching - learning Process more effective
4	Laboratory Facilities: (a) Number of Laboratories: (b) Working condition of equipments. (c) Up gradation as per new technological developments and requirements of the course curriculum. (d) Availability of licensed software as per the course curriculum. Yes (e) Number of Computer Labs: (f) Number of PCs: (g) Softwares available : (h) No of Printers available:		Yes, All laboratory equipment available as per JNTUH norms and the syllabus and are in proper working condition. Each Laboratory has qualified lab instructor/technician to take care of the maintenance of the equipment. i. All the licensed software available in the department are attached.

5	**Faculty Development Programs:**
	
	(a) FDPs attended by the faculty:
	   (i) National: 7
	   (ii) International: —
	
	(b) Conferences attended by the faculty:
	   (i) National: —
	   (ii) International: 10
	
	(c) Workshops attended by the faculty:
	   (i) National: —
	   (ii) International: —
	
	(d) Short term Courses attended by the faculty:
	   (i) National: —
	   (ii) International: —
			Yes.
			Yes. Registration fee. TA and DA and OD will be given for faculty attending
			FDPs / Conferences/ workshops etc. Details are attached
			
			Yes.

	(e) Facility of Study Leave with pay for faculty to pursue higher studies or attend FDPs (f) Reimbursement of Registration Fee and TA / DA expenses along with Special Casual Leave for participation in FDPs/Conferences/Workshops, etc. (g) Provision of Computing facility to individual faculty (Desktop/Laptop)	

6	Research Publications:
	
	(a) No. of publications in Journals
	  (i) National : —
	  (ii) International: 13
	
	(b) No. of publications in Conferences
	  (i) National: —
	  (ii) International: 14
	  (iii) Book Chapters: —
		Details are available

7	**Library, Internet & other facilities:**
	
	(a) Department Library:
	  (i) Number of Titles: 425
	  (ii) Total volumes of Books: 425
	  (iii) Number of Journals:
	  (iv) Digital Library: Yes available
	
	(b) Internet Connectivity: Yes
	
	(c) Placement Activities:
	  (i) No. of companies Visited: 36
	  (ii) No. of Placements offered: 36
	  (iii) Average salary offered:
	  (iv) Off campus placements: -
	  (v) On campus placements: - 36
	  (vi) Existence of Training & Placement Office in the Institute:
		Central Library:
		Digital library:
		e-journals:
		ASME online:
		IEEE journals:
		Delnet e books:
		NPTEL videos:
		Magazines:
		
		Details are available

Signature of the External Members:		

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Telangana State

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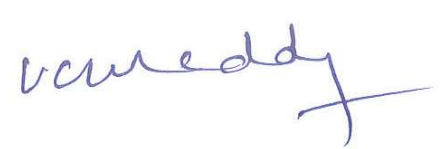
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INTERNAL QUALITY ASSURANCE CENTRE

EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT: 2021 – 2022

Part – I: PRELIMINARY INFORMATION

09 December, 2022

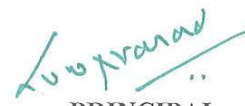|		
Name of the Department	:	*Mechanical Engineering*
Address of the Institute	:	*Dundigal, Hyderabad – 43*
Date and time of visit	:	*9th December-2022 10:00 am*
Members of the Audit Committee	:	
1. Dr. K G Srinivas Professor of Data Science and Artificial Intelligence International Institute of Information Technology, Naya Raipur.	:	*(signature)*
2. Dr. V C Veera Reddy Prof. of Electrical and Electronics Engineering School of Engineering and Technology Sri Padmavati Mahila Visvavidyalayam Tirupathi, Andhra Pradesh	:	*vcvreddy*

NAME OF THE DEPARTMENT: MECHANICAL ENGINEERING

PART – II: ACADEMIC INFORMATION

S. No	Particular	Remarks / Suggestions
1	**Curricular Aspects** (a) Courses Offered | Name of the Course	Intake
---	---
B.Tech	60
M.Tech	18 | (b) Semester wise curricular Plan: Available ✓ / Not available	*B.Tech under UG20 Regulations M.Tech under PG21 Regulations. Program Credits as per AICTE guidelines Available*

	(c) Coverage of Syllabus: Details are attached	for CIE-1 2.5 modules for for CIE-2 2.5 modules all course
2.	**Faculty Status:** **Total Faculty:** (a) Teacher: Student Ratio: 18.96 ✗ (b) How many of the faculty members possess degrees of (i) Ph.D: 10 ✗ (ii) M.Tech: 16 ✗ (c) Teaching Experience of the Faculty in the institute:	(a) Well within the stipulated limits. (b) Sufficient Cader (c) All above 7 Year and average teaching Experience > 5
3	**Teaching – Learning** a) Availability of Course Files b) Student Assignments c) Tutorial classes d) Remedial Coaching e) Student Centric Activities: ❖ Quizzes / workshops / competitions conducted: f) Use of supplementary teaching tools and application of ICT	(a) Yes – full stack (b) Yes (c) Regularly Conducted. (d) Conducted for slow learner between 4pm to 6pm (e) Yes (f) Yes ✓
4	Laboratory Facilities: (a) Number of Laboratories: 13 B.Tech 4, M.Tech (b) Working condition of equipments. (c) Up gradation as per new technological developments and requirements of the course curriculum. (d) Availability of licensed software as per the course curriculum. Yes (e) Number of Computer Labs: 5 - M.Tech (f) Number of PCs: B.Tech 60, 09 - M.Tech (g) Softwares available : Yes Autocad, Solidworks Cation, Analysys (h) No of Printers available: 2 Cadem	(a) 13 ✓ (b) Satisfactory however, periodic maintance (c) Yes ✓ (d) Yes; perpetual licency (e) Yes (f) – 60 – (g) – Yes – (h) – 2 –
5	**Faculty Development Programs:** (a) FDPs attended by the faculty: (i) National: 2 per faculty (ii) International: — (b) Conferences attended by the faculty: (i) National: 1 per faculty (ii) International: 1 per faculty (c) Workshops attended by the faculty: (i) National: 12 1 per faculty (ii) International: Nil (d) Short term Courses attended by the faculty: (i) National: 07 Nil (ii) International: Nil (e) Facility of Study Leave with pay for faculty to pursue	(a) International may be attended – (b) National Conferences should attende (c) international workshop may be attended! (d) May to attend Advised Short term conses.

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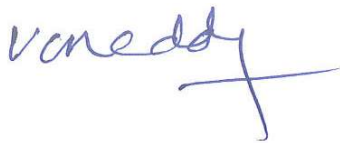|			
		higher studies or attend FDPs *1 faculty sponsored for P.hP program* (f) Reimbursement of Registration Fee and TA / DA expenses along with Special Casual Leave for participation in FDPs/Conferences/Workshops, etc. *Yes* (g) Provision of Computing facility to individual faculty (Desktop/Laptop) *Yes*	(e) Yes (f) Yes (8) Yes.

6		Research Publications:
		
		(a) No. of publications in Journals
		  (i) National : *Nil*
		  (ii) International: *! 36*
		
		(b) No. of publications in Conferences
		  (i) National: *Nil*
		  (ii) International: *12*
		  (iii) Book Chapters: *3*
			(a) To be improved. *in domains multi-disciplinary*
			(b) National may be Conferences improved.

7		**Library, Internet & other facilities:**
		
		(a) Department Library:
		  (i) Number of Titles: *80*
		  (ii) Total volumes of Books: *490*
		  (iii) Number of Journals: *10*
		  (iv) Digital Library: Yes available
		
		(b) Internet Connectivity: Yes
		
		(c) Placement Activities:
		  (i) No. of companies Visited: *13*
		  (ii) No. of Placements offered: *59*
		  (iii) Average salary offered: *3.16 LPA*
		  (iv) Off campus placements: - *9*
		  (v) On campus placements: - *50*
		  (vi) Existence of Training & Placement Office in the Institute: *Yes*
			(a) Branch specific Journals may be improved/subscribed.
			
			(b) Yes
			
			(c) Satisfactory

	Signature of the External Members:		

INTERNAL QUALITY ASSURANCE CENTRE

EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT: 2021 –

2022Part – I: PRELIMINARY INFORMATION

09 December, 2022

Name of the Department:	Aeronautical Engineering
Address of the Institute:	Dundigal, Hyderabad
Date and time of visit:	09-12-2022
Members of the Audit Committee:	
1. Dr. K G Srinivas Professor of Data Science and Artificial Intelligence International Institute of Information Technology, Naya Raipur.	:
2. Dr. V C Veera Reddy Prof. of Electrical and Electronics Engineering School of Engineering and Technology Sri Padmavati Mahila Visvavidyalayam Tirupathi, Andhra Pradesh	:

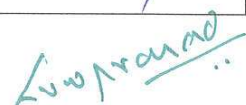### NAME OF THE DEPARTMENT: COMPUTER SCIENCE AND ENGINEERING

PART – II: ACADEMIC INFORMATION

S. No	Particular	Remarks / Suggestions
	1. Curricular Aspects (a) Courses Offered | Name of theCourse	Intake | |---|---| | B.Tech | 120 | | M.Tech | 18 |	The department is offering UG & PG programs, and are running in well planned manner. Both Programs have well defined curriculum plan and are available. The syllabus coverage is as per

	(b) Semester wise curricular Plan: Available both online and offline (c) Coverage of Syllabus: Activity Dairy Report attached and also available online in the website.		schedule of instructions planned by the respective faculty. Details like academic course file, attendance registers, roll list, academic calendar and time tables are attached and also available in website.
2	**Faculty Status :** **Total Faculty:** Teacher: Student Ratio: 1:18 How many of the faculty members possess degrees of Ph.D: 8 M.Tech: 17 (c) Teaching Experience of the Faculty in the institute: 72 % of Faculty Retained		The department has Excellent faculty student ratio. The department has qualified and efficient faculty. Faculty list is attached.
3	**Teaching –Learning** Availability of Course Files:**Yes** Student Assignments:**Yes** Tutorial classes:**Yes** Remedial Coaching: conducted Student Centric Activities: Quizzes / workshops / competitions conducted: 91 Use of supplementary teaching tools and application of ICT: each class room equipped with ICT tolls and Facultyteaches using ICT tools. Video lectures by IARE Faculty are available forStudents in the IARE YouTube Channel.		Each faculty develops course full stack for allocated courses by the department of OBE. Sample course file contents are attached. It is observed that all faculties conduct the tutorial classes as per the BOS guidelines. Depending on requirement remedial classes will be conducted. Workshops / hackathons / technical quizzes competitions were conducted. All class rooms are ICT enable to facilitate teaching-learning process more effective.
4	Laboratory Facilities: Number of Laboratories:7 **Laboratories** Working condition of equipment's:**Working** Up gradation as per new technological developments and requirements of the course curriculum. Availability of licensed software as per the course curriculum.**Yes** Number of Computer Labs: 7**Laboratories** Number of PCs: **82 Desktop Computer Systems** Software's available: Yes No of Printers available:**2 Printers**		All laboratory equipment available as per JNTUH norms and syllabus, are in proper working condition. Each Laboratory has qualified lab instructor/technician to take care of the maintenance of the equipment. 108 New Desktop Computer systems are upgraded as per new technological

			developments in laboratories
			List of licensed softwares available in the department is attached.
5	**Faculty Development Programs:** (a) FDPs attended by the faculty: (i) National: 7 (ii) International: Nil (b) Conferences attended by the faculty: (i) National: 12 (ii) International: Nil (c) Workshops attended by the faculty: (i) National: 3 (ii) International: Nil (d) Short term Courses attended by the faculty: (i) National: 04 (ii) International: Nil		Registration fee, TA, DA and OD will be given for faculty attending FDPs /Conferences /Workshops. Summary sheets containing information about FDPs/ Conferences/Workshops etc. attended by the faculty is attached.
	(e) Facility of Study Leave with pay for faculty to pursue higher studies or attend FDPs		Yes
	(f) Reimbursement of Registration Fee and TA / DA expenses along with Special Casual Leave for participation in FDPs/Conferences/Workshops, etc.		Yes
	(g) Provision of Computing facility to individual faculty (Desktop/Laptop)		Yes
6	**Research Publications:** (a) No. of publications in Journals (i) National : (ii) International: 12 (b) No. of publications in Conferences (i) National: (ii) International: 10 (iii) Book Chapters: 02		Incentives are provided to the faculty for national / international/ book chapters /text books publications .
7	**Library Internet & other facilities:** (a) Department Library: (i) Number of Titles: (ii) Total volumes of Books: (iii) Number of Journals: (iv) Digital Library: Yes available		Central Library: Digital library: e-journals: IEEE journals: Delnet e books: NPTEL videos: Magazines:

(b) Internet Connectivity: Yes
 	
(c) Placement Activities:
   (i) No. of companies Visited: **10**
   (ii) No. of Placements offered: **54**
   (iii) Averagesalaryoffered:**3.5 Lakh**
   (iv) Off campus placements: **-6**
   (v) On campus placements: **-48**
   (vi) Existence of Training & Placement Office in the
       Institute:
	Details are available. '

Signature of the External Members:	

INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

INTERNAL QUALITY ASSURANCE CENTRE

EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT:2021 – 2022

Part – I: PRELIMINARY INFORMATION

10 December, 2022

Name of the Department:	**Freshman Engineering**
Address of the Institute:	**Dundigal, Hyderabad**
Date and time of visit:	10-12-2022
Members of the Audit Committee:	
1. Dr. K G Srinivas Professor of Data Science and Artificial Intelligence International Institute of Information Technology, Naya Raipur.	:
2. Dr. V C Veera Reddy Prof. of Electrical and Electronics Engineering School of Engineering and Technology Sri Padmavati Mahila Visvavidyalayam Tirupathi, Andhra Pradesh	:

NAME OF THE DEPARTMENT: FRESHMAN ENGINEERING

PART – II: ACADEMIC INFORMATION
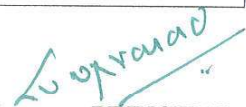
S. No	Particular	Remarks / Suggestions
	1. Curricular Aspects (a) Courses Offered <table><tr><td>Name of theCourse</td><td>Intake</td></tr><tr><td>B.Tech</td><td>-</td></tr><tr><td>M.Tech</td><td>-</td></tr></table>	The department is offering the courses Mathematics, Physics, Chemistry, English for I B.Tech students. All courses have well defined curriculum plan and are available. The syllabus coverage is as per

	(b) Semester wise curricular Plan: Available both online and offline (c) Coverage of Syllabus: Activity Dairy Report attached and also available online in the website.	schedule of instructions planned by the respective faculty. Details like academic course file, attendance registers, roll list, academic calendar and time tables are attached and also available in website.

2	**Faculty Status :**
	Total Faculty:
	(a) Teacher: Student Ratio:
	
	(b) How many of the faculty members possess degrees of
	  (i) Ph.D: 21
	  (ii) M.Tech: -
	
	(c) Teaching Experience of the Faculty in the institute: 72 % of Faculty Retained
		The department has Excellent faculty student ratio.
		The department has qualified and efficient faculty. Faculty list is attached.

3	**Teaching –Learning**
	a) Availability of Course Files:**Yes**
	b) Student Assignments:**Yes**
	c) Tutorial classes:**Yes**
	d) Remedial Coaching: conducted
	e) Student Centric Activities:
	
	  ❖ Quizzes / workshops / competitions conducted: NA
	
	f) Use of supplementary teaching tools and application of ICT: each class room equipped with ICT tolls and Faculty teaches using ICT tools.
	  • Video lectures by IARE Faculty are available for Students in the IARE YouTube Channel.
		Each faculty develops course full stack for allocated courses by the department of OBE. Sample course file contents are attached.
		It is observed that all faculties conduct the tutorial classes as per the BOS guidelines.
		
		Depending on requirement remedial classes will be conducted.
		
		All class rooms are ICT enable to facilitate teaching-learning process more effective.

4	**Laboratory Facilities:** **(a)** Number of Laboratories: 3 **Laboratories** **(b)** Working condition of equipment's: **Working** **(c)** Up gradation as per new technological developments and requirements of the course curriculum. **(d)** Availability of licensed software as per the course curriculum. **Yes** **(e)** Number of Computer Labs: 3 **Laboratories** **(f)** Number of PCs: **180 Desktop Computer Systems** **(g)** Software's available: Yes **(h)** No of Printers available: 3 **Printers**	All laboratory equipment available as per JNTUH norms and syllabus, are in proper working condition. Each Laboratory has qualified lab instructor/technician to take care of the maintenance of the equipment. 108 New Desktop Computer systems are upgraded as per new technological

✱ Incomplete

			developments in laboratories
			List of licensed softwares available in the department is attached.

5	**Faculty Development Programs:**
	
	(a) FDPs attended by the faculty:
	    (i) National: 20
	    (ii) International: 10
	
	(b) Conferences attended by the faculty:
	    (i) National: 2
	    (ii) International: 10
	
	(c) Workshops attended by the faculty:
	    (i) National: 5
	    (ii) International: Nil
	
	(d) Short term Courses attended by the faculty:
	    (i) National: 01
	    (ii) International: Nil
			Registration fee, TA, DA and OD will be given for faculty attending FDPs /Conferences /Workshops.
			Summary sheets containing information about FDPs/ Conferences/Workshops etc. attended by the faculty is attached.

	(e) Facility of Study Leave with pay for faculty to pursue higher studies or attend FDPs		Yes
	(f) Reimbursement of Registration Fee and TA / DA expenses along with Special Casual Leave for participation in FDPs/Conferences/Workshops, etc.		Yes
	(g) Provision of Computing facility to individual faculty (Desktop/Laptop)		Yes

6	**Rescarch Publications:**
	
	(a) No. of publications in Journals
	    (i) National : 01
	    (ii) International: 15
	
	(b) No. of publications in Conferences
	    (i) National:
	    (ii) International: 0 4
	    (iii) Book Chapters: 4
			Incentives are provided to the faculty for national / international/ book chapters /text books publications .

7	**Library Internet & other facilities:**
	
	(a) Department Library:
	    (i) Number of Titles:
	    (ii) Total volumes of Books:
	    (iii) Number of Journals:
	    (iv) Digital Library: Yes available
			NA

(b) Internet Connectivity: Yes
 	
(c) Placement Activities:
    (i) No. of companies Visited:
    (ii) No. of Placements offered:
    (iii) Average salary offered:
    (iv) Off campus placements:
    (v) On campus placements: -
    (vi) Existence of Training & Placement Office in the Institute:	

Signature of the External Members:	

PRINCIPAL

INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

INTERNAL QUALITY ASSURANCE CENTRE

EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT: 2021 – 2022

Part – I: PRELIMINARY INFORMATION

09 December, 2022

Name of the Department	:	**Mathematics**
Address of the Institute	:	
Date and time of visit	:	**9-12-2022**
Members of the Audit Committee	:	
1. Dr. K G Srinivas Professor of Data Science and Artificial Intelligence International Institute of Information Technology, Naya Raipur.	:	
2. Dr. V C Veera Reddy Prof. of Electrical and Electronics Engineering School of Engineering and Technology Sri Padmavati Mahila Visvavidyalayam Tirupathi, Andhra Pradesh	:	

NAME OF THE DEPARTMENT: MECHANICAL ENGINEERING

PART – II: ACADEMIC INFORMATION

S. No	Particular	Remarks / Suggestions
1	**Curricular Aspects** (a) Courses Offered 	B.Tech under UG20 regulations. M.Tech under PG21 regulations. Program Credits are as per AICTE Guidelines.

Name of the Course	Intake
B.Tech	—
M.Tech	—

(b) Semester wise curricular Plan: Available / Not available

* no admission?

	(c) Coverage of Syllabus: Details are attached		for CIE-I — 2.5 modules for CIE-II — 2.5 modules.

2.	**Faculty Status:**
	Total Faculty:
	(a) Teacher: Student Ratio: As per JNTUH, Norms.
	
	(b) How many of the faculty members possess degrees of
	    (i) Ph.D: 03
	    (ii) ~~M.Tech:~~ 10
	        M.SC
	(c) Teaching Experience of the Faculty in the institute:
			Well within the stipulated limits. faculty having average experience is "5"

3	**Teaching – Learning** a) Availability of Course Files b) Student Assignments c) Tutorial classes d) Remedial Coaching e) Student Centric Activities: ❖ Quizzes / workshops / competitions conducted: f) Use of supplementary teaching tools and application of ICT		(a) yes (full stack) (b) yes. (c) Regularly conducted (d) Conducted for slow learners between (4pm to 6 pm) (e) yes (f) yes
4	Laboratory Facilities: (a) Number of Laboratories: (b) Working condition of equipments. (c) Up gradation as per new technological developments and requirements of the course curriculum. (d) Availability of licensed software as per the course curriculum. Yes (e) Number of Computer Labs: (f) Number of PCs: (g) Softwares available : (h) No of Printers available:		(a) — (b) — (c) — (d) matlab (MATLAB) (e) yes (f) 1 per faculty (g) yes (MATLAB) (h) 01

5	**Faculty Development Programs:**
	
	(a) FDPs attended by the faculty:
	    (i) National: 2 per faculty.
	    (ii) International:
	
	(b) Conferences attended by the faculty:
	    (i) National:
	    (ii) International: 1 Per faculty
	
	(c) Workshops attended by the faculty:
	    (i) National: ~~12~~
	    (ii) International: Nil
	
	(d) Short term Courses attended by the faculty:
	    (i) National: ~~01~~ NIL
	    (ii) International: Nil
	
	(e) Facility of Study Leave with pay for faculty to pursue
			(a) International may be attended.
			
			(b) National faculty should be attended.
			
			(c) workshops may be attended.
			
			(d) NIL To attend advised shortterm Courses.

✻ no clear information

	higher studies or attend FDPs (f) Reimbursement of Registration Fee and TA / DA expenses along with Special Casual Leave for participation in FDPs/Conferences/Workshops, etc. (g) Provision of Computing facility to individual faculty (Desktop/Laptop)	(e) Yes (f) Yes (g) Yes

6	Research Publications:
	
	(a) No. of publications in Journals
	   (i) National : NIL
	   (ii) International:
	
	(b) No. of publications in Conferences
	   (i) National:
	   (ii) International:
	   (iii) Book Chapters:
		(a) To be improved in the
		(b) domain of multidisciplinary
		(b) National conferences may be improved.

7	**Library, Internet & other facilities:**
	
	(a) Department Library:
	   (i) Number of Titles:
	   (ii) Total volumes of Books:
	   (iii) Number of Journals:
	   (iv) Digital Library: Yes available
	
	(b) Internet Connectivity: Yes
	
	(c) Placement Activities:
	   (i) No. of companies Visited: —
	   (ii) No. of Placements offered: — NIL.
	   (iii) Average salary offered: —
	   (iv) Off campus placements: - —
	   (v) On campus placements: - —
	   (vi) Existence of Training & Placement Office in the —
	   Institute:
		(a) Branch specific journals may be improved/subscribed.
		(b) Yes.
		(c) Satisfactory.

	Signature of the External Members:	*[signature]* *vcureddy*

[signature]

PRINCIPAL

INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)
Dundigal, Hyderabad - 500 043

INTERNAL QUALITY ASSURANCE CENTRE

EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT: 2021 – 2022
Part – I: PRELIMINARY INFORMATION

09 December, 2022

Name of the Department	:	CIVIL ENGINEERING
Address of the Institute	:	Institute of Aeronautical Engineering, Dundigal, Hyderabad - 500 043
Date and time of visit	:	9th December 2022 10:00 am.
Members of the Audit Committee	:	
1. Dr. K G Srinivas Professor of Data Science and Artificial Intelligence International Institute of Information Technology, Naya Raipur.	:	
2. Dr. V C Veera Reddy Prof. of Electrical and Electronics Engineering School of Engineering and Technology Sri Padmavati Mahila Visvavidyalayam Tirupathi, Andhra Pradesh	:	VCMeddy

NAME OF THE DEPARTMENT: CIVIL ENGINEERING

PART – II: ACADEMIC INFORMATION

S. No	Particular	Remarks / Suggestions
1	**Curricular Aspects** (a) Courses Offered	Regulations B.Tech – UG20 M.Tech – PG21 Program cirriculumas per AICTE guidelines are available.

Name of the Course	Intake
B.Tech	60
M.Tech	18

(b) Semester wise curricular Plan: Available

	(c) Coverage of Syllabus: Details are attached	50% of Syllabus is covered for CIE-1 & Remaing for CIE-2

2.	**Faculty Status:**
	Total Faculty:
	(a) Teacher: Student Ratio: **14.03**
	
	(b) How many of the faculty members possess degrees of
	   (i) Ph. D: 04
	   (ii) M.Tech: 22
	
	  (c) Teaching Experience of the Faculty in the institute:
		– SFR is maintained as per AICTE Norms.
		
		– no of doctorates are as per norms.
		
		– Average teaching experience of faculty is greater than 5!

Table (Teaching Experience):

Experience	No. of Faculty
More than 4 years	11
Between 3 to 4 years	6
Between 2 to 3 years	1
Between 1 to 2 years	0
Less than 1 year	8

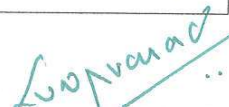|		
3	**Teaching – Learning** a) Availability of Course Files: **Available** b) Student Assignments: **Available** c) Tutorial classes: **Conducting** d) Remedial Coaching: **Conducting** e) Student Centric Activities: ❖ Quizzes / workshops / competitions conducted: **Yes** f) Use of supplementary teaching tools and application of ICT	Yes. Yes Yes Yes (for slow learners) Yes. Yes.
4	Laboratory Facilities: (a) Number of Laboratories: **10** (b) Working condition of equipments.: **Good Condition** (c) Up gradation as per new technological developments and requirements of the course curriculum. **Labs are upgraded as per the requirement of the curriculum** (d) Availability of licensed software as per the course curriculum. **Yes** (e) Number of Computer Labs: **01** (f) Number of PCs: **25** (g) Softwares available: **AUTOCAD, STADD Pro, MATLAB** (h) No of Printers available:**02**	8 B.Tech & 2 M.Tech Yes (Good Condition) (Satisfactory) Yes. Yes Yes Yes
5	**Faculty Development Programs:** (a) FDPs attended by the faculty: (i) National: 31	satisfactory.

		(ii) International:	

		(b) Conferences attended by the faculty:
		    (i) National: Nil
		    (ii) International: 02
			Number may be improved.
			(Satisfactory)

		(c) Workshops attended by the faculty:
		    (i) National: 4
		    (ii) International: Nil	

		(d) Short term Courses attended by the faculty:
		    (i) National: Nil
		    (ii) International: Nil
			To be improved.

		(e) Facility of Study Leave with pay for faculty to pursue higher studies or attend FDPs: ---- NIL ------ **Provision given for the faculty to avail the study leave for higher studies and attend the FDP or STTPs.**	faculty are encoraged to persue higher studies.
		(f) Reimbursement of Registration Fee and TA / DA expenses along with Special Casual Leave for participation in FDPs / Conferences / Workshops, etc. **Yes**	Satisfactory.
		(g) Provision of Computing facility to individual faculty (Desktop/Laptop) **Yes**	Available.

6		Research Publications:
		
		(a) No. of publications in Journals
		    (i) National : Nil
		    (ii) International : 27
		
		(b) No. of publications in Conferences
		    (i) National:
		    (ii) International: 01
		    (iii) Book Chapters: 01
			Good & Satisfactory.

7		**Library, Internet & other facilities:**
		
		(a) Department Library:
		    (i) Number of Titles: 200
		    (ii) Total volumes of Books: **220**
		    (iii) Number of Journals: **30**
		    (iv) Digital Library: **Yes available**
		
		(b) Internet Connectivity: **Yes**
		
		(c) Placement Activities:
		    (i) No. of companies Visited: 39
		    (ii) No. of Placements offered: 38
		    (iii) Average salary offered: 3.17 Lakh
		    (iv) Off campus placements: - Nil
			Satisfactory

(v) On campus placements: - 38 (vi) Existence of Training & Placement Office in the Institute: **Yes**	*Available.*	
Signature of the External Members:	*[signature]*	
	[signature]	

(b) Internet Connectivity: Yes
 	
(c) Placement Activities:
    (i) No. of companies Visited:
    (ii) No. of Placements offered:
    (iii) Average salary offered:
    (iv) Off campus placements:
    (v) On campus placements: -
    (vi) Existence of Training & Placement Office in the Institute:
	'

Signature of the External Members:	

PRINCIPAL
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043
Telangana State

INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500 043

INTERNAL QUALITY ASSURANCE CENTRE

EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT: 2021 – 2022
Part – I: PRELIMINARY INFORMATION

09 December, 2022

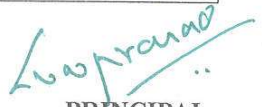|		
Name of the Department	:	**Master of Business Administration**
Address of the Institute	:	**Dundigal, Hyedrabad-500043**
Date and time of visit	:	
Members of the Audit Committee	:	
1. Dr. K G Srinivas Professor of Data Science and Artificial Intelligence International Institute of Information Technology, Naya Raipur.	:	
2. Dr. V C Veera Reddy Prof. of Electrical and Electronics Engineering School of Engineering and Technology Sri Padmavati Mahila Visvavidyalayam Tirupathi, Andhra Pradesh	:	

NAME OF THE DEPARTMENT: MECHANICAL ENGINEERING

PART – II: ACADEMIC INFORMATION

S. No	Particular	Remarks / Suggestions
1	**Curricular Aspects** (a) Courses Offered | Name of the Course	Intake
---	---
MBA	60 | (b) Semester wise curricular Plan: Available / Not available (c) Coverage of Syllabus: Details are attached	The department is offering PG program, and it is running in well planned manner. Department has well defined curriculum plan. Details are attached. It is observed that all faculty cover entire syllabus recommended by this BOS.

			Details like academic course file, attendance registers, roll list, academic calendar and time tables are attached.

2.	**Faculty Status:**
	 Total Faculty:
	 (a) Teacher: Student Ratio:
	
	 (b) How many of the faculty members possess degrees of
	    (i) Ph.D: 03
	    (ii) MBA: 10
	
	 (c) Teaching Experience of the Faculty in the institute:
			The department has reasonably good faculty student ratio. The department has efficient end enthusiastic faculty. Faculty list is attached.

3	**Teaching – Learning** a) Availability of Course Files b) Student Assignments c) Tutorial classes d) Remedial Coaching e) Student Centric Activities: ❖ Quizzes / workshops / competitions conducted: f) Use of supplementary teaching tools and application of ICT		Each faculty maintains course full stack. Sample course file contents are attached. It is observed that all faculties conduct the tutorial classes as per the BOS guidelines. Depending on requirement remedial classes will be conducted. Workshops/competitions are conducted and related information is attached. All class rooms are ICT enable to facilitate teaching-learning process more effective.
4	Laboratory Facilities: (a) Number of Laboratories: Nil (b) Working condition of equipment's. (c) Up gradation as per new technological developments and requirements of the course curriculum. (d) Availability of licensed software as per the course curriculum. Yes (e) Number of Computer Labs: 01 (f) Number of PCs: 30 (g) Software available : (h) No of Printers available: 02 (i) No of Scanners available :01		Yes. All laboratory equipment available as per JNTUH norms and the syllabus and are in proper working condition. Each Laboratory has qualified lab instructor/technician to take care of the maintenance of the equipment. **i.** All the licensed softwares available in the department are attached.

5	**Faculty Development Programs:**
	
	 (a) FDPs attended by the faculty:
	    (i) National: 02
	    (ii) International:
			Yes.
			
			 Yes. Registration fee, TA and DA and OD will be given for faculty attending.

	(b) Conferences attended by the faculty:
	    (i) National: 03
	    (ii) International:
	
	(c) Workshops attended by the faculty:
	    (i) National: 01
	    (ii) International: Nil
	
	(d) Short term Courses attended by the faculty:
	    (i) National: 01
	    (ii) International: Nil
	
	(e) Facility of Study Leave with pay for faculty to pursue higher studies or attend FDPs
	
	(f) Reimbursement of Registration Fee and TA / DA expenses along with Special Casual Leave for participation in FDPs/Conferences/Workshops, etc.
	
	(g) Provision of Computing facility to individual faculty (Desktop/Laptop)
			FDPs/Conferences/Workshops etc. Details are attached.
			Yes.

6	Research Publications:
	
	(a) No. of publications in Journals
	    (i) National : 12
	    (ii) International:
	
	(b) No. of publications in Conferences
	    (i) National: 10
	    (ii) International:
	    (iii) Book Chapters: 1
			Details are attached.

7	**Library, Internet & other facilities:**
	
	(a) Department Library:
	    (i) Number of Titles:
	    (ii) Total volumes of Books:
	    (iii) Number of Journals:
	    (iv) Digital Library: Yes available
			Central Library:
			Digital library:
			e-journals:
			ASME online:
			IEEE journals:
			Delnet e books:
			NPTEL videos:
			Magazines:
			
			Details are available.

(b) Internet Connectivity: Yes
 	
(c) Placement Activities:
   (i) No. of companies Visited:
   (ii) No. of Placements offered:
   (iii) Average salary offered:
   (iv) Off campus placements:
   (v) On campus placements: -
   (vi) Existence of Training & Placement Office in the Institute:	

Signature of the External Members:	