

Noorul Islam Centre for Higher Education

(Deemed to be University u/s 3 of the UGC Act 1956)

Kumaracoil, Thuckalay, Kanyakumari District - 629 180

Accredited by NAAC with 'A' Grade

Academic Audit Report (2016-2017)



Noorul Islam Centre for Higher Education

Academic Audit Evaluative Report

Academic Year 2016-2017

Department: MBA

Date of Audit: 31/8/17

	Description	Five Point Scale				
		A	B	C	D	E
	Curricular Aspects					
1	Lecture Plan					✓
2	Lab Plan				✓	
3	Student Log Book				✓	
4	Incorporation of BOS Meeting Recommendations		✓			
5	New Electives introduced		✓			
6	Class Committee				✓	
7	Program Committee				✓	
8	Academic - Course Registration				✓	
9	Intramural - Course Registration				✓	
10	Extension Activities				✓	
11	Lab Manuel				✓	
	$8 + 16 + 1 = 25 / 55 = 45.54$	-	2	-	8	1
	$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100$					
	Feedback	A	B	C	D	E
1	Student Feedback about Faculty				✓	
2	Feedback from Student Regarding curriculum				✓	
3	Feedback from Staff Regarding curriculum				✓	
4	Feedback from Alumni Regarding curriculum				✓	
5	Feedback from Experts (Academic/Industries) Regarding curriculum				✓	
	$10 / 25 = 40$	-	-	-	5	-
	$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Teaching Learning Process	A	B	C	D	E
1	Remedial Course Details				✓	
2	Slow Learners Details				✓	
3	Students Participation in Seminars, Conference, Symposium Details			✓		
4	Seminars / Workshops/Training program Conducted		✓			

5	Technical symposia Conducted		✓			
6	Invited experts/lecturers details/ Eminent professor/ Scientist/Guest Details		✓			
7	Project work details				✓	
8	Publication details of students				✓	
9	Faculty Training Program					✓
10	Participation in Seminar/ conferences				✓	
11	Industrial visit/ NSS/ Participation in Annual sports meet				✓	
12	Internal Assessment Details(Timetable and Marks)			✓		
13	Series Test Analysis			✓		
14	End Semester Details, Result Analysis and Rank Details		✓			
15	Student arrear details			✓		
16	Internship Training Details				✓	
17	Syllabus Coverage Details					✓
18	Lab Coverage					✓
	$(6 + 15 + 12 + 3) = 46 / 90 = 51.11$	-	4	5	6	3
	$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100$					
	Research Consultancy and Extension	A	B	C	D	E
1	National and International conferences organized		✓			
2	Details of Patents Registered				✓	
3	Ongoing research projects details					✓
4	Faculty h-index				✓	
5	Publication of faculty (Web of Science/Scopus/book chapters)		✓			
6	Members in editorial boards of National and International Journals			✓		
7	Research awards received by the faculty and students					✓
8	Research Projects Completed and grants received					✓
9	Consultancy services provided and funds received					✓
10	Promotion of Industry Institution interaction and R&D					✓
	$8 + 3 + 4 + 5 = 20 / 50 = 40$	-	2	1	2	5
	$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100$					
	Effective use of ICT	A	B	C	D	E
1	PPTs prepared by the faculty				✓	
2	Smart room usage Register			✓		
3	Industrial Tie Up Programmes					✓
4	Learning Materials provided				✓	
5	Other Interactive materials prepared/used, NPTEL Course content				✓	

	used					
	$3 + 6 + 1 = 10 / 25 = 40$	-	-	1	3	1
	$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Student Support and Progression	A	B	C	D	E
1	Mentorship Details			✓		
2	Question Bank		✓			
3	Placement Details		✓			
4	Details of Alumni Interaction Program Conducted				✓	
5	Student Counseling Details					✓
6	Student Membership details in IEEE,IET,ISTE,CSI and other professional Bodies					✓
	$10 + 3 + 2 + 2 = 17 / 25 = 68$	-	2	1	1	2
	$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100$					
	Governance and Leadership	A	B	C	D	E
1	Faculty Awards					✓
2	Industry Academic Collaboration					✓
3	Faculty Registered for Ph.D, submitted Synopsis/Thesis, PhD Degree Awarded			✓		
4	Training program organized for Professional development of Teaching staff/non-teaching staff					✓
	$3 + 3 = 6 / 20 = 30$	-	-	1	-	3
	$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100$					

Letter grade	Weightage
A	5
B	4
C	3
D	2
E	1

Category wise percentage is calculated with the following formula

$$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100 \quad \text{eq. - 1}$$

$$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 2}$$

$$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100 \quad \text{eq. - 3}$$

$$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100 \quad \text{eq. - 4}$$

$$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 5}$$

$$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100 \quad \text{eq. - 6}$$

$$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100 \quad \text{eq. - 7}$$

C_a - number of times 'A' rating has obtained in that category

C_b - number of times 'B' rating has obtained in that category

C_c - number of times 'C' rating has obtained in that category

C_d - number of times 'D' rating has obtained in that category

C_e - number of times 'E' rating has obtained in that category

The department performance index (Absolute) P_a :-

$$91.08 + 40 + 102.22 + 80 + 40 + 68 + 30$$

$$(P_a) = [(C_1 \times 2) + (C_2 \times 1) + (C_3 \times 2) + (C_4 \times 2) + (C_5 \times 1) + (C_6 \times 1) + (C_7 \times 1)] / 10 = 45.3 / 10$$

The department performance index (Relative) P:-

$$= 45.3$$

$$(P_r = P_a / \text{Max}(P_a)) = 66\%$$

Observations of the Academic Audit Committee Members

- Curricular aspects, feedback mechanism, and Teaching learning process of the department is poor and need to be improved.
- Research, consultancy activities need to be improved.
- Governance and Leadership need to be improved.
- Every aspects need more improvement

Overall Observations

Research, Consultancy, Extension activities, Governance and Leadership qualities of all the team members is non-existent. Part 4.5.1 indicates all other aspects need efforts by every member of the team.

Name & Signature

P. V. Samuel Blessed Noyyan

Name & Signature

Dr. K. A. Janardhanan

Name & Signature

Dr. A. Shaji Nargunam

Dr. A. Shaji Nargunam, Ph.D. (H-10)
Pro. Vice Chancellor
Noorul Islam Centre for Higher Education

Noorul Islam Centre for Higher Education

Academic Audit Evaluative Report

Academic Year 2016-2017

Department: *Mechanical Engg.*

Date of Audit: *30/8/17*

	Description	Five Point Scale				
		A	B	C	D	E
	Curricular Aspects					
1	Lecture Plan		✓			
2	Lab Plan		✓			
3	Student Log Book				✓	
4	Incorporation of BOS Meeting Recommendations		✓			
5	New Electives introduced		✓			
6	Class Committee		✓			
7	Program Committee		✓			
8	Academic - Course Registration			✓		
9	Intramural - Course Registration			✓		
10	Extension Activities		✓			
11	Lab Manuel		✓			
	$32 + 6 + 2 = 40 / 55 = 72.72$	-	8	2	1	-
	$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100$					
	Feedback	A	B	C	D	E
1	Student Feedback about Faculty		✓			
2	Feedback from Student Regarding curriculum		✓			
3	Feedback from Staff Regarding curriculum		✓			
4	Feedback from Alumni Regarding curriculum		✓			
5	Feedback from Experts (Academic/Industries) Regarding curriculum		✓			
	$20 / 25 = 80$	-	5	-	-	-
	$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Teaching Learning Process	A	B	C	D	E
1	Remedial Course Details		✓			
2	Slow Learners Details		✓			
3	Students Participation in Seminars, Conference, Symposium Details			✓		
4	Seminars / Workshops/Training program Conducted		✓			

5	Technical symposia Conducted			✓		
6	Invited experts/lecturers details/ Eminent professor/ Scientist/Guest Details			✓		
7	Project work details		✓			
8	Publication details of students			✓		
9	Faculty Training Program				✓	
10	Participation in Seminar/ conferences		✓			
11	Industrial visit/ NSS/ Participation in Annual sports meet			✓		
12	Internal Assessment Details(Timetable and Marks)		✓			
13	Series Test Analysis		✓			
14	End Semester Details, Result Analysis and Rank Details		✓			
15	Student arrear details		✓			
16	Internship Training Details		✓			
17	Syllabus Coverage Details		✓			
18	Lab Coverage		✓			
	$48 + 15 + 265 / 90 = 72.22$	-	12	5	1	-
	$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100$					
	Research Consultancy and Extension	A	B	C	D	E
1	National and International conferences organized		✓			
2	Details of Patents Registered			✓		
3	Ongoing research projects details			✓		
4	Faculty h-index			✓		
5	Publication of faculty (Web of Science/Scopus/book chapters)		✓			
6	Members in editorial boards of National and International Journals		✓			
7	Research awards received by the faculty and students			✓		
8	Research Projects Completed and grants received				✓	
9	Consultancy services provided and funds received				✓	
10	Promotion of Industry Institution interaction and R&D				✓	
	$12 + 12 + 6 = 30 / 50$	-	3	4	3	-
	$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100$					
	Effective use of ICT	A	B	C	D	E
1	PPTs prepared by the faculty		✓			
2	Smart room usage Register		✓			
3	Industrial Tie Up Programmes		✓	✓		
4	Learning Materials provided		✓			
5	Other Interactive materials prepared/used, NPTEL Course content	-	4	1	-	-

	used					
	$16 + 3 = 19 / 25 = 76$	-	4	1	-	-
	$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Student Support and Progression	A	B	C	D	E
1	Mentorship Details		✓			
2	Question Bank		✓			
3	Placement Details		✓			
4	Details of Alumni Interaction Program Conducted			✓		
5	Student Counseling Details			✓		
6	Student Membership details in IEEE,IET,ISTE,CSI and other professional Bodies				✓	
	$12 + 6 + 2 = 20 / 30 = 66.66$	-	3	2	1	-
	$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100$					
	Governance and Leadership	A	B	C	D	E
1	Faculty Awards					✓
2	Industry Academic Collaboration				✓	
3	Faculty Registered for Ph.D, submitted Synopsis/Thesis, PhD Degree Awarded		✓			
4	Training program organized for Professional development of Teaching staff/non-teaching staff				✓	
	$1 + 4 + 4 = 9 / 20 = 45$	-	1	-	2	1
	$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100$					

Letter grade	Weightage
A	5
B	4
C	3
D	2
E	1

Category wise percentage is calculated with the following formula

$$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100 \quad \text{eq. - 1}$$

$$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 2}$$

$$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100 \quad \text{eq. - 3}$$

$$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100 \quad \text{eq. - 4}$$

$$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 5}$$

$$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100 \quad \text{eq. - 6}$$

$$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100 \quad \text{eq. - 7}$$

C_a - number of times 'A' rating has obtained in that category

C_b - number of times 'B' rating has obtained in that category

C_c - number of times 'C' rating has obtained in that category

C_d - number of times 'D' rating has obtained in that category

C_e - number of times 'E' rating has obtained in that category

The department performance index (Absolute) P_a :-

$$145.44 + 80 + 144.44 + 120 + 76 + 66.66 + 45 / 10$$

$$(P_a = [(C_1 \times 2) + (C_2 \times 1) + (C_3 \times 2) + (C_4 \times 2) + (C_5 \times 1) + (C_6 \times 1) + (C_7 \times 1)] / 10) \quad 677.54/10$$

The department performance index (Relative) P_r :-

67.75%

$$(P_r = P_a / \text{Max}(P_a)) \quad 100\%$$

Observations of the Academic Audit Committee Members

- Teaching learning, curricular aspects and feedback mechanism followed in the department is good.
- Research, consultancy and extension activities should be improved.

Overall Observations

Research Consultancy and Extension activities need more attention. Governance and leadership qualities should be improved. There are scope for improving all other aspects as indicated by P_a at 67.75%. P_r at 100% is excellent.



Name & Signature

P. V. Samuel Blessed Nayanam.

K. A. Janardhanan

Name & Signature

DR. K. A. Janardhanan



Name & Signature

Dr. Anshu Narguram
R. Shetty

J. N. Chandrasekhar, B.E., Ph.D (IT-M)

Pro. Vice Chancellor

Noorul Islam Centre for Higher Education

Name & Signature

Noorul Islam Centre for Higher Education

Academic Audit Evaluative Report

Academic Year 2016-2017

Department: *Information Technology*.

Date of Audit: *29/8/2017*

	Description	Five Point Scale				
		A	B	C	D	E
	Curricular Aspects					
1	Lecture Plan	✓				
2	Lab Plan		✓			
3	Student Log Book	✓				
4	Incorporation of BOS Meeting Recommendations		✓			
5	New Electives introduced			✓		
6	Class Committee	✓				
7	Program Committee	✓				
8	Academic - Course Registration	✓				
9	Intramural - Course Registration		✓			
10	Extension Activities			✓		
11	Lab Manuel	✓				
	$30 + 12 + 3 = 45 / 55 = 81.81$	6	3	1	-	-
	$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100$					
	Feedback	A	B	C	D	E
1	Student Feedback about Faculty		✓			
2	Feedback from Student Regarding curriculum		✓			
3	Feedback from Staff Regarding curriculum		✓			
4	Feedback from Alumni Regarding curriculum		✓			
5	Feedback from Experts (Academic/Industries) Regarding curriculum		✓			
	$20 / 25 = 80$	-	5	-	-	-
	$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Teaching Learning Process	A	B	C	D	E
1	Remedial Course Details		✓			
2	Slow Learners Details		✓			
3	Students Participation in Seminars, Conference, Symposium Details		✓			
4	Seminars / Workshops/Training program Conducted				✓	

5	Technical symposia Conducted					✓
6	Invited experts/lecturers details/ Eminent professor/ Scientist/Guest Details					✓
7	Project work details	✓				
8	Publication details of students			✓		
9	Faculty Training Program					✓
10	Participation in Seminar/ conferences				✓	
11	Industrial visit/ NSS/ Participation in Annual sports meet			✓		
12	Internal Assessment Details(Timetable and Marks)	✓				
13	Series Test Analysis	✓				
14	End Semester Details, Result Analysis and Rank Details	✓				
15	Student arrear details		✓			
16	Internship Training Details					✓
17	Syllabus Coverage Details		✓			
18	Lab Coverage	✓				
	$25 + 20 + 6 + 4 + 4 = 59 / 90 = 65.55$	5	5	2	2	4
	$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100$					
	Research Consultancy and Extension	A	B	C	D	E
1	National and International conferences organized					✓
2	Details of Patents, Registered				✓	
3	Ongoing research projects details					✓
4	Faculty h-index			✓		
5	Publication of faculty (Web of Science/Scopus/book chapters)		✓			
6	Members in editorial boards of National and International Journals		✓			
7	Research awards received by the faculty and students				✓	
8	Research Projects Completed and grants received					✓
9	Consultancy services provided and funds received				✓	
10	Promotion of Industry Institution interaction and R&D			✓		
		-	2	2	3	3
	$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100$					
	Effective use of ICT	A	B	C	D	E
1	PPTs prepared by the faculty	✓				
2	Smart room usage Register	✓				
3	Industrial Tie Up Programmes			✓		
4	Learning Materials provided		✓			
5	Other Interactive materials prepared/used, NPTEL Course content		✓			

	used					
	$10+8+3 = 21/25 = 84$	2	2	1	-	-
	$C_5=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1)/25 \times 100$					
	Student Support and Progression	A	B	C	D	E
1	Mentorship Details	✓				
2	Question Bank		✓			
3	Placement Details		✓			
4	Details of Alumni Interaction Program Conducted		✓			
5	Student Counseling Details		✓			
6	Student Membership details in IEEE,IET,ISTE,CSI and other professional Bodies					✓
	$5 + 16 + 1 = 22/30 = 73.33$	1	4	-	-	1
	$C_6=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1)/30 \times 100$					
	Governance and Leadership	A	B	C	D	E
1	Faculty Awards					✓
2	Industry Academic Collaboration					✓
3	Faculty Registered for Ph.D, submitted Synopsis/Thesis, PhD Degree Awarded		✓			
4	Training program organized for Professional development of Teaching staff/non-teaching staff					✓
	$4 + 3 = 7/20 = 35$	1	1	-	-	3
	$C_7=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1)/20 \times 100$					

Letter grade	Weightage
A	5
B	4
C	3
D	2
E	1

Category wise percentage is calculated with the following formula

$$C_1=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1)/55 \times 100 \quad \text{eq. - 1}$$

$$C_2=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1)/25 \times 100 \quad \text{eq. - 2}$$

$$C_3=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1)/90 \times 100 \quad \text{eq. - 3}$$

$$C_4=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1)/50 \times 100 \quad \text{eq. - 4}$$

$$C_5=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1)/25 \times 100 \quad \text{eq. - 5}$$

$$C_6=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1)/30 \times 100 \quad \text{eq. - 6}$$

$$C_7=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1)/20 \times 100 \quad \text{eq. - 7}$$

C_a - number of times 'A' rating has obtained in that category

C_b - number of times 'B' rating has obtained in that category

C_c - number of times 'C' rating has obtained in that category

C_d - number of times 'D' rating has obtained in that category

C_e - number of times 'E' rating has obtained in that category

The department performance index (Absolute) P_a :-

$$163.62 + 80 + 131.1 + 92 + 84 + 73.33 + 35 = 659.05$$

$$(P_a = [(C_1 \times 2) + (C_2 \times 1) + (C_3 \times 2) + (C_4 \times 2) + (C_5 \times 1) + (C_6 \times 1) + (C_7 \times 1)] / 10) \quad 659.05/10$$

The department performance index (Relative) P_r :-

65.905 //

$$(P_r = P_a / \text{Max}(P_a)) \quad 97\%$$

Observations of the Academic Audit Committee Members

- Teaching learning, Curricular aspects and feedback mechanism of the department is good.
- Research, Consultancy and extension activities need to be improved.

Overall Observations

Governance and leadership qualities are almost non-existent.
3 Es, 3 Ds, 2 Cs indicate Research, Consultancy and extension activities are very poor.
Both require team efforts to improve. Circulation, feedback and use of ICT are good. Even then P_a is only 66.1 and P_r at 97% is not of value.

Name & Signature

P. V. Samuel Blessed Nyagan

K. A. Janardhanan

Name & Signature

Dr. K. A. Janardhanan

Name & Signature

Dr. A. Shajim Narguman

Dr. N. Chandrashekhara, B.E., Ph.D (IIT-M)

Pro Vice Chancellor
Neerul Islam Centre for Higher Education

Noorul Islam Centre for Higher Education

Academic Audit Evaluative Report

Academic Year 2016-2017

Department: *Marine*

Date of Audit: *31/8/17*

	Description	Five Point Scale				
		A	B	C	D	E
	Curricular Aspects					
1	Lecture Plan	✓				
2	Lab Plan					✓
3	Student Log Book	✓				
4	Incorporation of BOS Meeting Recommendations		✓			
5	New Electives introduced		✓			
6	Class Committee		✓			
7	Program Committee		✓			
8	Academic - Course Registration				✓	
9	Intramural - Course Registration	NA				
10	Extension Activities	NA			✓	
11	Lab Manuel		✓			
	$10 + 20 + 4 + 1 = 35 / 50 = 70$	2	5	-	2	1
	$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100$					
	Feedback	A	B	C	D	E
1	Student Feedback about Faculty	✓				
2	Feedback from Student Regarding curriculum					✓
3	Feedback from Staff Regarding curriculum					✓
4	Feedback from Alumni Regarding curriculum					✓
5	Feedback from Experts (Academic/Industries) Regarding curriculum					✓
	$5 + 4 = 9 / 25 = 36$	1	-	-	-	4
	$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Teaching Learning Process	A	B	C	D	E
1	Remedial Course Details		✓			
2	Slow Learners Details		✓			
3	Students Participation in Seminars, Conference, Symposium Details					✓
4	Seminars / Workshops/Training program Conducted					✓

5	Technical symposia Conducted					✓
6	Invited experts/lecturers details/ Eminent professor/ Scientist/Guest Details		✓			
7	Project work details		✓			
8	Publication details of students					✓
9	Faculty Training Program					✓
10	Participation in Seminar/ conferences				✓	
11	Industrial visit/ NSS/ Participation in Annual sports meet		✓			
12	Internal Assessment Details(Timetable and Marks)	✓				
13	Series Test Analysis		✓			
14	End Semester Details, Result Analysis and Rank Details		✓			
15	Student arrear details				✓	
16	Internship Training Details				✓	
17	Syllabus Coverage Details		✓			
18	Lab Coverage				✓	
	$5 + 32 + 8 + 5 = 50 / 90 = 55.55$	1	8	-	4	5
	$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100$					
	Research Consultancy and Extension	A	B	C	D	E
1	National and International conferences organized					✓
2	Details of Patents Registered					✓
3	Ongoing research projects details					✓
4	Faculty h-index				✓	
5	Publication of faculty (Web of Science/Scopus/book chapters)			✓		
6	Members in editorial boards of National and International Journals					✓
7	Research awards received by the faculty and students					✓
8	Research Projects Completed and grants received					✓
9	Consultancy services provided and funds received					✓
10	Promotion of Industry Institution interaction and R&D					✓
	$3 + 2 + 8 = 13 / 50 = 26$	-	-	1	1	8
	$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100$					
	Effective use of ICT	A	B	C	D	E
1	PPTs prepared by the faculty		✓			
2	Smart room usage Register		✓			
3	Industrial Tie Up Programmes					✓
4	Learning Materials provided			✓		
5	Other Interactive materials prepared/used, NPTEL Course content				✓	

	used					
	$8 + 3 + 2 + 1 = 14/25 = 56$	-	2	1	1	1
	$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Student Support and Progression	A	B	C	D	E
1	Mentorship Details					
2	Question Bank		✓			
3	Placement Details			✓		
4	Details of Alumni Interaction Program Conducted					✓
5	Student Counseling Details		✓			
6	Student Membership details in IEEE,IET,ISTE,CSI and other professional Bodies		✓			
	$16 + 3 + 1 = 20/30 = 66.66$	-	4	1	-	1
	$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100$					
	Governance and Leadership	A	B	C	D	E
1	Faculty Awards					✓
2	Industry Academic Collaboration					✓
3	Faculty Registered for Ph.D, submitted Synopsis/Thesis, PhD Degree Awarded				✓	
4	Training program organized for Professional development of Teaching staff/non-teaching staff					✓
	$2 + 3 = 5/20 = 25$	-	-	-	1	3
	$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100$					

Letter grade	Weightage
A	5
B	4
C	3
D	2
E	1

Category wise percentage is calculated with the following formula

$$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100 \quad \text{eq. - 1}$$

$$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 2}$$

$$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100 \quad \text{eq. - 3}$$

$$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100 \quad \text{eq. - 4}$$

$$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 5}$$

$$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100 \quad \text{eq. - 6}$$

$$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100 \quad \text{eq. - 7}$$

C_a - number of times 'A' rating has obtained in that category

C_b - number of times 'B' rating has obtained in that category

C_c - number of times 'C' rating has obtained in that category

C_d - number of times 'D' rating has obtained in that category

C_e - number of times 'E' rating has obtained in that category

The department performance index (Absolute) P_a :-

$$140 + 36 + 111.1 + 52 + 56 + 66.66 + 25$$

$$(P_a) = [(C_1 \times 2) + (C_2 \times 1) + (C_3 \times 2) + (C_4 \times 2) + (C_5 \times 1) + (C_6 \times 1) + (C_7 \times 1)] / 10$$

The department performance index (Relative) Pr:- $486.76 = 48.67$

$$(P_r = P_a / \text{Max}(P_a)) \quad 71\%$$

Observations of the Academic Audit Committee Members

- Curricular aspects and feedback from Students are good.
- Research and extension activities of the department is poor.
- Teaching and Learning process need some improvement.
- Governance and leadership qualities need to be improved.

Overall Observations

N ~~Governance~~ Research consultancy and extension activities along with Governance and leadership are almost non-existent. Even feedback is very poor. But P_a at 48.67% is an indication of poor performance in all other aspects also.



Name & Signature

P.V. Samuel Blessed Nargayan

K.A. Janardhanan

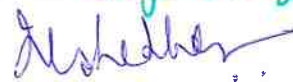
Name & Signature

Dr. K.A. Janardhanan



Name & Signature

Dr. A. Shyji Narguran



Name & Signature

Noorul Islam Centre for Higher Education

Academic Audit Evaluative Report

Academic Year 2016-2017

Department: *Electronics & Instrumentation Engg.*

Date of Audit: *28/8/17*

	Description	Five Point Scale				
		A	B	C	D	E
	Curricular Aspects					
1	Lecture Plan	✓	✓			
2	Lab Plan					✓
3	Student Log Book		✓			
4	Incorporation of BOS Meeting Recommendations		✓			
5	New Electives introduced			✓		
6	Class Committee	✓				
7	Program Committee	✓				
8	Academic - Course Registration	✓				
9	Intramural - Course Registration	✓				
10	Extension Activities				✓	
11	Lab Manuel		✓			
	$25 + 12 + 3 + 2 + 1 = 43 / 55 = 78.18\%$	5	3	1	1	1
	$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100$					
	Feedback	A	B	C	D	E
1	Student Feedback about Faculty				✓	
2	Feedback from Student Regarding curriculum			✓		
3	Feedback from Staff Regarding curriculum			✓		
4	Feedback from Alumni Regarding curriculum			✓		
5	Feedback from Experts (Academic/Industries)Regarding curriculum			✓		
		-	-	4	1	-
	$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Teaching Learning Process	A	B	C	D	E
1	Remedial Course Details			✓		
2	Slow Learners Details			✓		
3	Students Participation in Seminars, Conference, Symposium Details		✓			
4	Seminars / Workshops/Training program Conducted		✓			

5	Technical symposia Conducted			✓	✓	
6	Invited experts/lecturers details/ Eminent professor/ Scientist/Guest Details			✓		
7	Project work details		✓			
8	Publication details of students			✓		
9	Faculty Training Program					✓
10	Participation in Seminar/ conferences			✓		
11	Industrial visit/ NSS/ Participation in Annual sports meet				✓	
12	Internal Assessment Details(Timetable and Marks)		✓			
13	Series Test Analysis		✓			
14	End Semester Details, Result Analysis and Rank Details	✓				
15	Student arrear details		✓			
16	Internship Training Details		✓			
17	Syllabus Coverage Details	✓				
18	Lab Coverage					✓
	$10+28+15+4+2 = 59/90 = 65.55$	2	7	5	2	2
	$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100$					
	Research Consultancy and Extension	A	B	C	D	E
1	National and International conferences organized					✓
2	Details of Patents Registered					✓
3	Ongoing research projects details					✓
4	Faculty h-index			✓		
5	Publication of faculty (Web of Science/Scopus/book chapters)		✓			
6	Members in editorial boards of National and International Journals				✓	
7	Research awards received by the faculty and students					✓
8	Research Projects Completed and grants received					✓
9	Consultancy services provided and funds received					✓
10	Promotion of Industry Institution interaction and R&D					✓
	$4+3+2+7 = 16/50 = 32$	-	1	1	1	7
	$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100$					
	Effective use of ICT	A	B	C	D	E
1	PPTs prepared by the faculty		✓			
2	Smart room usage Register		✓			
3	Industrial Tie Up Programmes				✓	
4	Learning Materials provided		✓			
5	Other Interactive materials prepared/used, NPTEL Course content		✓			

	used					
	$16+2 = 18/25 = 72$	-	4	-	1	-
	$C_5=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Student Support and Progression	A	B	C	D	E
1	Mentorship Details			✓		
2	Question Bank		✓			
3	Placement Details		✓			
4	Details of Alumni Interaction Program Conducted		✓			
5	Student Counseling Details			✓		
6	Student Membership details in IEEE,IET,ISTE,CSI and other professional Bodies				✓	
	$12 + 6 + 2 = 20/30 = 66.66$	-	3	2	1	-
	$C_6=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100$					
	Governance and Leadership	A	B	C	D	E
1	Faculty Awards					✓
2	Industry Academic Collaboration					✓
3	Faculty Registered for Ph.D, submitted Synopsis/Thesis, PhD Degree Awarded			✓		
4	Training program organized for Professional development of Teaching staff/non-teaching staff					✓
	$3+3 = 6/20 = 30$	-	-	1	-	3
	$C_7=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100$					

Letter grade	Weightage
A	5
B	4
C	3
D	2
E	1

Category wise percentage is calculated with the following formula

$$C_1=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100 \quad \text{eq. - 1}$$

$$C_2=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 2}$$

$$C_3=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100 \quad \text{eq. - 3}$$

$$C_4=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100 \quad \text{eq. - 4}$$

$$C_5=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 5}$$

$$C_6=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100 \quad \text{eq. - 6}$$

$$C_7=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100 \quad \text{eq. - 7}$$

C_a - number of times 'A' rating has obtained in that category

C_b - number of times 'B' rating has obtained in that category

C_c - number of times 'C' rating has obtained in that category

C_d - number of times 'D' rating has obtained in that category

C_e - number of times 'E' rating has obtained in that category

The department performance index (Absolute) P_a :-

$$156.36 + 56 + 131.1 + 64 + 72 + 66.6 + 30 / 10$$

$$(P_a) = [(C_1 \times 2) + (C_2 \times 1) + (C_3 \times 2) + (C_4 \times 2) + (C_5 \times 1) + (C_6 \times 1) + (C_7 \times 1)] / 10 = 576.42 / 10$$

The department performance index (Relative) Pr:-

$$= 57.64\%$$

$$(P_r = P_a / \text{Max}(P_a)) = 85\%$$

Observations of the Academic Audit Committee Members

- Teaching learning, feedback mechanism ~~of the~~ is good and need to be improved.
- Research, consultancy and extension activities is poor.

Overall Observations

Research Consultancy and Extension activities are almost non-existent. It may be due to very poor Governance and leadership qualities. Since Pr is 57.64%. There is lot of scope to improve all other qualities. Pr at 85% ~~is~~ has no meaning.

Name & Signature

P. V. Samuel B. K. N. N. N.

K. A. Janardhanan

Name & Signature

Dr. K. A. Janardhanan

Name & Signature

Dr. A. S. N. N. N.

Dr. N. Chandrasekhar, B.E., Ph.D (IT-M)

Pro. Name & Signature

Noorul Islam Centre for Higher Education

Noorul Islam Centre for Higher Education

Academic Audit Evaluative Report

Academic Year 2016-2017

Department: *Electrical & Electronics Engg.*

Date of Audit: *24.8.17*

	Description	Five Point Scale				
		A	B	C	D	E
	Curricular Aspects					
1	Lecture Plan	✓				
2	Lab Plan				✓	
3	Student Log Book		✓			
4	Incorporation of BOS Meeting Recommendations			✓		
5	New Electives introduced	✓				
6	Class Committee	✓				
7	Program Committee	✓				
8	Academic - Course Registration	✓	✓			
9	Intramural - Course Registration		✓		✓	
10	Extension Activities		✓		✓	
11	Lab Manuel		✓			
	<i>30 25+12+3+4 = 44 / 55 = 80</i>	5	3	1	2	
	$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100$					
	Feedback	A	B	C	D	E
1	Student Feedback about Faculty		✓			
2	Feedback from Student Regarding curriculum		✓			
3	Feedback from Staff Regarding curriculum		✓			
4	Feedback from Alumni Regarding curriculum		✓			
5	Feedback from Experts (Academic/Industries) Regarding curriculum		✓			
	<i>20/25 = 80</i>	-	5	-	-	-
	$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Teaching Learning Process	A	B	C	D	E
1	Remedial Course Details		✓			
2	Slow Learners Details			✓		
3	Students Participation in Seminars, Conference, Symposium Details					✓
4	Seminars / Workshops/Training program Conducted					✓

5	Technical symposia Conducted					✓
6	Invited experts/lecturers details/ Eminent professor/ Scientist/Guest Details			✓		
7	Project work details		✓			
8	Publication details of students		✓			
9	Faculty Training Program					✓
10	Participation in Seminar/ conferences		✓			
11	Industrial visit/ NSS/ Participation in Annual sports meet		✓			
12	Internal Assessment Details(Timetable and Marks)		✓			
13	Series Test Analysis		✓			
14	End Semester Details, Result Analysis and Rank Details		✓			
15	Student arrear details			✓		
16	Internship Training Details			✓		
17	Syllabus Coverage Details	✓				
18	Lab Coverage				✓	
	$5 + 3 \times 2 + 12 + 2 + 4 = 55 / 90 = 61.11$	1	8	4	1	4
	$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100$					
	Research Consultancy and Extension	A	B	C	D	E
1	National and International conferences organized					✓
2	Details of Patents Registered					✓
3	Ongoing research projects details					✓
4	Faculty h-index			✓		
5	Publication of faculty (Web of Science/Scopus/book chapters)			✓		
6	Members in editorial boards of National and International Journals				✓	
7	Research awards received by the faculty and students					✓
8	Research Projects Completed and grants received					✓
9	Consultancy services provided and funds received					✓
10	Promotion of Industry Institution interaction and R&D					✓
	$6 + 2 + 7 = 15 / 50 = 30$	-	-	2	1	7
	$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100$					
	Effective use of ICT	A	B	C	D	E
1	PPTs prepared by the faculty		✓			
2	Smart room usage Register		✓			
3	Industrial Tie Up Programmes				✓	
4	Learning Materials provided		✓			
5	Other Interactive materials prepared/used, NPTEL Course content		✓			

	used					
	$16 + 2 = 18 / 25 = 72$	-	4	-	1	-
	$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Student Support and Progression	A	B	C	D	E
1	Mentorship Details		✓			
2	Question Bank	✓				
3	Placement Details		✓			
4	Details of Alumni Interaction Program Conducted		✓			
5	Student Counseling Details		✓			
6	Student Membership details in IEEE, IET, ISTE, CSI and other professional Bodies		✓			
	$5 + 20 = 25 / 30 = 83.33$	1	5	-	-	-
	$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100$					
	Governance and Leadership	A	B	C	D	E
1	Faculty Awards					✓
2	Industry Academic Collaboration				✓	
3	Faculty Registered for Ph.D, submitted Synopsis/Thesis, PhD Degree Awarded		✓			
4	Training program organized for Professional development of Teaching staff/non-teaching staff					✓
	$4 + 2 + 2 = 8 / 20 = 40$	-	1	-	1	2
	$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100$					

Letter grade	Weightage
A	5
B	4
C	3
D	2
E	1

Category wise percentage is calculated with the following formula

$$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100 \quad \text{eq. - 1}$$

$$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 2}$$

$$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100 \quad \text{eq. - 3}$$

$$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100 \quad \text{eq. - 4}$$

$$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 5}$$

$$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100 \quad \text{eq. - 6}$$

$$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100 \quad \text{eq. - 7}$$

C_a - number of times 'A' rating has obtained in that category

C_b - number of times 'B' rating has obtained in that category

C_c - number of times 'C' rating has obtained in that category

C_d - number of times 'D' rating has obtained in that category

C_e - number of times 'E' rating has obtained in that category

The department performance index (Absolute) P_a :-

$$160 + 80 + 122.22 + 60 + 72 + 83.33 + 40 / 60$$

$$(P_a = [(C_1 \times 2) + (C_2 \times 1) + (C_3 \times 2) + (C_4 \times 2) + (C_5 \times 1) + (C_6 \times 1) + (C_7 \times 1)] / 10) \quad 617.55$$

The department performance index (Relative) Pr:-

61.755

$$(P_r = P_a / \text{Max}(P_a)) \quad 91\%$$

Observations of the Academic Audit Committee Members

- Curricular aspects of the department is very good.
- feedback aspects of the department also good.
- There is lot of scope for improvement in some aspects in teaching learning process.
- More attention is needed in research activities.

Overall Observations

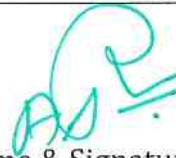
Research Consultancy and Extension activities are very poor and need maximum attention.
It is true, leadership and Governance activities
Even other aspects requires team efforts to improve
Then Pa is only 62% and Pr 91% has no meaning


Name & Signature

P. V. Samuel Blessed Nayagan


Name & Signature

Dr. K. A. Janardhanan


Name & Signature

Dr. A. Shaji Nargurem



Name & Signature (HIT-M)

Dr. H. Chandrasekhar
Pro. Vice Chancellor
Maarul Islam Centre for Higher Education

Noorul Islam Centre for Higher Education

Academic Audit Evaluative Report

Academic Year 2016-2017

Department: *Electronics and Communication Engineering.*

Date of Audit: *26/8/17*

	Description	Five Point Scale				
		A	B	C	D	E
	Curricular Aspects					
1	Lecture Plan	✓				
2	Lab Plan		✓			
3	Student Log Book			✓		
4	Incorporation of BOS Meeting Recommendations			✓		
5	New Electives introduced		✓			
6	Class Committee		✓			
7	Program Committee		✓			
8	Academic - Course Registration		✓			
9	Intramural - Course Registration			✓		
10	Extension Activities				✓	
11	Lab Manuel	✓				
	$10 + 20 + 9 + 2 = 41 / 55 = 74.54$	2	5	3	1	-
	$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100$					
	Feedback	A	B	C	D	E
1	Student Feedback about Faculty		✓			
2	Feedback from Student Regarding curriculum		✓			
3	Feedback from Staff Regarding curriculum		✓			
4	Feedback from Alumni Regarding curriculum		✓			
5	Feedback from Experts (Academic/Industries) Regarding curriculum		✓			
	$20 / 25 = 80$	-	5	-	-	-
	$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Teaching Learning Process	A	B	C	D	E
1	Remedial Course Details		✓			
2	Slow Learners Details		✓			
3	Students Participation in Seminars, Conference, Symposium Details		✓			
4	Seminars / Workshops/Training program Conducted					✓

5	Technical symposia Conducted			✓		
6	Invited experts/lecturers details/ Eminent professor/ Scientist/Guest Details					✓
7	Project work details		✓			
8	Publication details of students		✓			
9	Faculty Training Program					✓
10	Participation in Seminar/ conferences			✓		
11	Industrial visit/ NSS/ Participation in Annual sports meet			✓		
12	Internal Assessment Details(Timetable and Marks)		✓			
13	Series Test Analysis		✓			
14	End Semester Details, Result Analysis and Rank Details		✓			
15	Student arrear details		✓			
16	Internship Training Details		✓			
17	Syllabus Coverage Details		✓			
18	Lab Coverage			✓		
	$44 + 12 + 3 = 59 / 90 = 65.55$	-	11	4	-	3
	$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100$					
	Research Consultancy and Extension	A	B	C	D	E
1	National and International conferences organized			✓		
2	Details of Patents Registered					✓
3	Ongoing research projects details					✓
4	Faculty h-index				✓	
5	Publication of faculty (Web of Science/Scopus/book chapters)			✓		
6	Members in editorial boards of National and International Journals			✓		
7	Research awards received by the faculty and students					✓
8	Research Projects Completed and grants received					✓
9	Consultancy services provided and funds received					✓
10	Promotion of Industry Institution interaction and R&D					✓
	$9 + 2 + 6 = 17 / 50 = 34$	-	-	3	1	6
	$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100$					
	Effective use of ICT	A	B	C	D	E
1	PPTs prepared by the faculty		✓			
2	Smart room usage Register		✓			
3	Industrial Tie Up Programmes		✓			
4	Learning Materials provided		✓			
5	Other Interactive materials prepared/used, NPTEL Course content		✓			

	used					
	$20/25 = 80$	-	5	-	-	-
	$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Student Support and Progression	A	B	C	D	E
1	Mentorship Details		✓			
2	Question Bank		✓			
3	Placement Details			✓		
4	Details of Alumni Interaction Program Conducted		✓			
5	Student Counseling Details		✓			
6	Student Membership details in IEEE,IET,ISTE,CSI and other professional Bodies		✓			
	$20 + 3 = 23 = 76.66$	-	5	1	-	-
	$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100$					
	Governance and Leadership	A	B	C	D	E
1	Faculty Awards				✓	
2	Industry Academic Collaboration				✓	
3	Faculty Registered for Ph.D, submitted Synopsis/Thesis, PhD Degree Awarded		✓			
4	Training program organized for Professional development of Teaching staff/non-teaching staff					✓
	$4 + 4 + 1 = 9 / 20 = 45$	-	1	-	2	1
	$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100$					

Letter grade	Weightage
A	5
B	4
C	3
D	2
E	1

Category wise percentage is calculated with the following formula

$$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100 \quad \text{eq. - 1}$$

$$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 2}$$

$$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100 \quad \text{eq. - 3}$$

$$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100 \quad \text{eq. - 4}$$

$$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 5}$$

$$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100 \quad \text{eq. - 6}$$

$$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100 \quad \text{eq. - 7}$$

C_a - number of times 'A' rating has obtained in that category

C_b - number of times 'B' rating has obtained in that category

C_c - number of times 'C' rating has obtained in that category

C_d - number of times 'D' rating has obtained in that category

C_e - number of times 'E' rating has obtained in that category

The department performance index (Absolute) P_a :-

$$149.08 + 80 + 131.1 + 68 + 80 + 76.66 + 45$$

$$(P_a = [(C_1 \times 2) + (C_2 \times 1) + (C_3 \times 2) + (C_4 \times 2) + (C_5 \times 1) + (C_6 \times 1) + (C_7 \times 1)] / 10) \quad 629.84 / 10 \\ = 62.98$$

The department performance index (Relative) Pr:-

$$(P_r = P_a / \text{Max}(P_a)) \quad 92\%$$

Observations of the Academic Audit Committee Members

- Curricular aspects, feedback mechanism and teaching learning process of the department is good.
- Research and extension activities require more efforts to improve.
- Governance and leadership qualities need to be improved.

Overall Observations

Research consultancy and extension activities are almost non-existent. It is true & Governance and Leadership qualities also. P_a is only 63%. Hence all other aspects should be substantially improved even though P_r is 92%.


Name & Signature

P.V. Samuel Blessed Nayanar


Name & Signature

DR. K.A. Janardhanan


Name & Signature

Dr. A. Srinivas Nargunam


Dr. N. Chandrasekhar BE, Ph.D (IIT-M),
Name & Signature
Pro. Vice Chancellor
Noorul Islam Centre for Higher Education

Noorul Islam Centre for Higher Education

Academic Audit Evaluative Report

Academic Year 2016-2017

Department: *Civil Engineering*

Date of Audit: *24/8/17*

	Description	Five Point Scale				
		A	B	C	D	E
	Curricular Aspects					
1	Lecture Plan		✓			
2	Lab Plan	✓				
3	Student Log Book		✓			
4	Incorporation of BOS Meeting Recommendations		✓			
5	New Electives introduced			✓		
6	Class Committee		✓			
7	Program Committee		✓			
8	Academic - Course Registration			✓		
9	Intramural - Course Registration			✓		
10	Extension Activities			✓		
11	Lab Manuel		✓			
	$5 + 24 + 12 = 41 / 55 = 74.54$	1	6	2	-	-
	$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100$					
	Feedback	A	B	C	D	E
1	Student Feedback about Faculty		✓			
2	Feedback from Student Regarding curriculum		✓			
3	Feedback from Staff Regarding curriculum		✓			
4	Feedback from Alumni Regarding curriculum		✓			
5	Feedback from Experts (Academic/Industries) Regarding curriculum		✓			
	$20 / 25 = 80\%$	-	5	-	-	-
	$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Teaching Learning Process	A	B	C	D	E
1	Remedial Course Details				✓	
2	Slow Learners Details				✓	
3	Students Participation in Seminars, Conference, Symposium Details			✓		
4	Seminars / Workshops/Training program Conducted			✓		

5	Technical symposia Conducted			✓		
6	Invited experts/lecturers details/ Eminent professor/ Scientist/Guest Details					✓
7	Project work details				✓	
8	Publication details of students					✓
9	Faculty Training Program				✓	
10	Participation in Seminar/ conferences		✓			
11	Industrial visit/ NSS/ Participation in Annual sports meet				✓	
12	Internal Assessment Details(Timetable and Marks)			✓		
13	Series Test Analysis	✓				
14	End Semester Details, Result Analysis and Rank Details			✓		
15	Student arrear details			✓		
16	Internship Training Details				✓	
17	Syllabus Coverage Details		✓			
18	Lab Coverage		✓			
	$5+12+18+12+2 = 49/90 = 54.44$	1	3	6	5	2
	$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100$					
	Research Consultancy and Extension	A	B	C	D	E
1	National and International conferences organized				✓	
2	Details of Patents Registered					✓
3	Ongoing research projects details					✓
4	Faculty h-index			✓		
5	Publication of faculty (Web of Science/Scopus/book chapters)		✓			
6	Members in editorial boards of National and International Journals		✓			
7	Research awards received by the faculty and students					✓
8	Research Projects Completed and grants received					✓
9	Consultancy services provided and funds received	✓				
10	Promotion of Industry Institution interaction and R&D					✓
	$5 + 8 + 3 + 2 + 5 = 23/50 = 46.$	1	2	1	1	5
	$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100$					
	Effective use of ICT	A	B	C	D	E
1	PPTs prepared by the faculty			✓		
2	Smart room usage Register	✓				
3	Industrial Tie Up Programmes				✓	
4	Learning Materials provided			✓		
5	Other Interactive materials prepared/used, NPTEL Course content			✓		

	used					
	$5 + 9 + 2 = 16 / 25 = 64$	1	-	3	1	-
	$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Student Support and Progression	A	B	C	D	E
1	Mentorship Details				✓	
2	Question Bank		✓			
3	Placement Details	✓				
4	Details of Alumni Interaction Program Conducted			✓		
5	Student Counseling Details	✓				
6	Student Membership details in IEEE,IET,ISTE,CSI and other professional Bodies					✓
	$10 + 4 + 3 + 2 + 1 = 20 / 30$	2	1	1	1	1
	$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100$					
	Governance and Leadership	A	B	C	D	E
1	Faculty Awards					✓
2	Industry Academic Collaboration		✓			
3	Faculty Registered for Ph.D, submitted Synopsis/Thesis, PhD Degree Awarded			✓		
4	Training program organized for Professional development of Teaching staff/non-teaching staff				✓	
	$4 + 3 + 2 + 1 = 10 / 20$	-	1	1	1	1
	$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100$					

Letter grade	Weightage
A	5
B	4
C	3
D	2
E	1

Category wise percentage is calculated with the following formula

$$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100 \quad \text{eq. - 1}$$

$$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 2}$$

$$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100 \quad \text{eq. - 3}$$

$$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100 \quad \text{eq. - 4}$$

$$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 5}$$

$$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100 \quad \text{eq. - 6}$$

$$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100 \quad \text{eq. - 7}$$

C_a - number of times 'A' rating has obtained in that category

C_b - number of times 'B' rating has obtained in that category

C_c - number of times 'C' rating has obtained in that category

C_d - number of times 'D' rating has obtained in that category

C_e - number of times 'E' rating has obtained in that category

The department performance index (Absolute) P_a :-

$$149.06 + 80 + 108.88 + 92 + 64 + 66.66 + 50$$

$$(P_a) = [(C_1 \times 2) + (C_2 \times 1) + (C_3 \times 2) + (C_4 \times 2) + (C_5 \times 1) + (C_6 \times 1) + (C_7 \times 1)] / 10 = 59.6 / 10$$

The department performance index (Relative) Pr:-

$$= 59.06 \%$$

$$(P_r = P_a / \text{Max}(P_a)) = 87 \%$$

Observations of the Academic Audit Committee Members

- More attention is required to improve the teaching learning process.
- The curricular aspects of the department is good.
- Research and consultancy are almost non-existent.
- Governance and qualities are poor.

Overall Observations

Research Consultancy and Extension activities are non-existent.
Governance and leadership qualities are very poor.
Pa at 59% indicates all other aspects need lot of efforts to improve.
Even though Pr is at 87%.



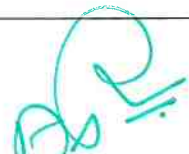
Name & Signature

P. V. Samuel Blessed Neryagam

K. A. Janardhanan

Name & Signature

Dr. K. A. Janardhanan



Name & Signature

Dr. A. Shajin Naryagan



Name & Signature

Dr. M. Chandrashekhar, B.E., Ph.D (IT-M),
Pro. Vice Chancellor
Noorul Islam Centre for Higher Education

Noorul Islam Centre for Higher Education

Academic Audit Evaluative Report

Academic Year 2016-2017

Department: *Computer Science and Engineering.*

Date of Audit: *29/8/17*

	Description	Five Point Scale				
		A	B	C	D	E
	Curricular Aspects					
1	Lecture Plan	✓				
2	Lab Plan		✓			
3	Student Log Book		✓			
4	Incorporation of BOS Meeting Recommendations		✓			
5	New Electives introduced				✓	
6	Class Committee	✓				
7	Program Committee		✓			
8	Academic - Course Registration			✓		
9	Intramural - Course Registration			✓		
10	Extension Activities					✓
11	Lab Manuel		✓			
	$10 + 20 + 6 + 2 + 1 = 39 / 55 = 70.09$	2	5	2	1	1
	$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100$					
	Feedback	A	B	C	D	E
1	Student Feedback about Faculty		✓			
2	Feedback from Student Regarding curriculum			✓		
3	Feedback from Staff Regarding curriculum				✓	
4	Feedback from Alumni Regarding curriculum				✓	
5	Feedback from Experts (Academic/Industries) Regarding curriculum				✓	
	$4 + 3 + 6 = 13 / 25 = 52$	-	1	1	3	-
	$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Teaching Learning Process	A	B	C	D	E
1	Remedial Course Details			✓		
2	Slow Learners Details		✓			
3	Students Participation in Seminars, Conference, Symposium Details		✓			
4	Seminars / Workshops/Training program Conducted			✓		

5	Technical symposia Conducted		✓			
6	Invited experts/lecturers details/ Eminent professor/ Scientist/Guest Details			✓		
7	Project work details			✓		
8	Publication details of students			✓		
9	Faculty Training Program				✓	
10	Participation in Seminar/ conferences			✓		
11	Industrial visit/ NSS/ Participation in Annual sports meet			✓		
12	Internal Assessment Details(Timetable and Marks)		✓			
13	Series Test Analysis		✓			
14	End Semester Details, Result Analysis and Rank Details			✓		
15	Student arrear details		✓			
16	Internship Training Details			✓		
17	Syllabus Coverage Details			✓		
18	Lab Coverage			✓		
	$24 + 33 + 2 = 59 / 90 = 65.55$	-	6	11	1	-
	$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100$					
	Research Consultancy and Extension	A	B	C	D	E
1	National and International conferences organized				✓	
2	Details of Patents Registered			✓		
3	Ongoing research projects details			✓		
4	Faculty h-index			✓		
5	Publication of faculty (Web of Science/Scopus/book chapters)			✓		
6	Members in editorial boards of National and International Journals				✓	
7	Research awards received by the faculty and students					✓
8	Research Projects Completed and grants received					✓
9	Consultancy services provided and funds received					✓
10	Promotion of Industry Institution interaction and R&D				✓	
	$12 + 6 + 3 = 21 / 50 = 42$	-	-	4	3	3
	$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100$					
	Effective use of ICT	A	B	C	D	E
1	PPTs prepared by the faculty		✓			
2	Smart room usage Register		✓			
3	Industrial Tie Up Programmes			✓		
4	Learning Materials provided			✓		
5	Other Interactive materials prepared/used, NPTEL Course content			✓		

	used					
	$8+9 = 17 / 25 = 68$					
	$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Student Support and Progression	A	B	C	D	E
1	Mentorship Details		✓			
2	Question Bank		✓			
3	Placement Details			✓		
4	Details of Alumni Interaction Program Conducted		✓			
5	Student Counseling Details		✓			
6	Student Membership details in IEEE,IET,ISTE,CSI and other professional Bodies				✓	
	$16+3+2 = 21 / 30 = 70$	-	4	1	1	-
	$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100$					
	Governance and Leadership	A	B	C	D	E
1	Faculty Awards					✓
2	Industry Academic Collaboration			✓		
3	Faculty Registered for Ph.D, submitted Synopsis/Thesis, PhD Degree Awarded			✓		
4	Training program organized for Professional development of Teaching staff/non-teaching staff					✓
	$6+2 = 8 / 20 = 40$	-	-	2	-	2
	$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100$					

Letter grade	Weightage
A	5
B	4
C	3
D	2
E	1

Category wise percentage is calculated with the following formula

$$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100 \quad \text{eq. - 1}$$

$$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 2}$$

$$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100 \quad \text{eq. - 3}$$

$$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100 \quad \text{eq. - 4}$$

$$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 5}$$

$$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100 \quad \text{eq. - 6}$$

$$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100 \quad \text{eq. - 7}$$

C_a - number of times 'A' rating has obtained in that category

C_b - number of times 'B' rating has obtained in that category

C_c - number of times 'C' rating has obtained in that category

C_d - number of times 'D' rating has obtained in that category

C_e - number of times 'E' rating has obtained in that category

The department performance index (Absolute) P_a :-

$$= 140.18 + 52 + 131.11 + 84 + 68 + 70 + 40$$

$$(P_a = [(C_1 \times 2) + (C_2 \times 1) + (C_3 \times 2) + (C_4 \times 2) + (C_5 \times 1) + (C_6 \times 1) + (C_7 \times 1)] / 10) \quad 585.29/10$$

The department performance index (Relative) P_r :-

$$= 58.53\%$$

$$(P_r = P_a / \text{Max}(P_a)) \quad 86\%$$

Observations of the Academic Audit Committee Members

- The curriculum, teaching learning process of the department is good and need to be improved.
- Research Consultancy and extension activities are need to be improved.
- There is scope of improving on all aspects.

Overall Observations

Research Consultancy and Extension activities are very poor and need lot of efforts to improve.
Governance and leadership qualities should be improved.
Since P_a is 58.53%, all other aspects also need lot of efforts to improve even though P_r is 86%.


Name & Signature

P.V. Samuel Blessed Nagarajam


Name & Signature

Name & Signature

Dr. K.A. Janardhanan


Name & Signature

Dr. A. Shajin Narguna


Name & Signature

Dr. N. Chandrasekhar, B.E., Ph.D (IT-M),
P.T.O. Vice-Chancellor

Noorul Islam Centre for Higher Education

Noorul Islam Centre for Higher Education

Academic Audit Evaluative Report

Academic Year 2016-2017

Department: *Biomedical Engineering*.

Date of Audit: *26/8/17*

	Description	Five Point Scale				
		A	B	C	D	E
	Curricular Aspects					
1	Lecture Plan	✓				
2	Lab Plan		✓			
3	Student Log Book			✓		
4	Incorporation of BOS Meeting Recommendations		✓			
5	New Electives introduced			✓		
6	Class Committee	✓				
7	Program Committee	✓				
8	Academic - Course Registration			✓		
9	Intramural - Course Registration			✓		
10	Extension Activities				✓	
11	Lab Manuel		✓			
	$15 + 12 + 12 + 2 = 41 / 55 = 74.54$	3	3	4	1	-
	$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100$					
	Feedback	A	B	C	D	E
1	Student Feedback about Faculty			✓		
2	Feedback from Student Regarding curriculum			✓		
3	Feedback from Staff Regarding curriculum			✓		
4	Feedback from Alumni Regarding curriculum			✓		
5	Feedback from Experts (Academic/Industries) Regarding curriculum			✓		
	$15 / 25 = 60$	-	-	5	-	-
	$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Teaching Learning Process	A	B	C	D	E
1	Remedial Course Details			✓		
2	Slow Learners Details		✓			
3	Students Participation in Seminars, Conference, Symposium Details				✓	
4	Seminars / Workshops/Training program Conducted				✓	

5	Technical symposia Conducted				✓	
6	Invited experts/lecturers details/ Eminent professor/ Scientist/Guest Details				✓	
7	Project work details			✓		
8	Publication details of students				✓	
9	Faculty Training Program				✓	
10	Participation in Seminar/ conferences				✓	
11	Industrial visit/ NSS/ Participation in Annual sports meet				✓	
12	Internal Assessment Details(Timetable and Marks)			✓		
13	Series Test Analysis			✓		
14	End Semester Details, Result Analysis and Rank Details			✓		
15	Student arrear details			✓		
16	Internship Training Details			✓		
17	Syllabus Coverage Details			✓		
18	Lab Coverage				✓	
	$4 + 24 + 18 = 46 / 90 = 51.11$	-	1	8	9	
	$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100$					
	Research Consultancy and Extension	A	B	C	D	E
1	National and International conferences organized				✓	
2	Details of Patents Registered				✓	
3	Ongoing research projects details				✓	
4	Faculty h-index			✓		
5	Publication of faculty (Web of Science/Scopus/book chapters)				✓	
6	Members in editorial boards of National and International Journals				✓	
7	Research awards received by the faculty and students				✓	
8	Research Projects Completed and grants received				✓	
9	Consultancy services provided and funds received				✓	
10	Promotion of Industry Institution interaction and R&D				✓	
	$3 + 18 = 21 / 50 = 42$	-	-	1	9	-
	$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100$					
	Effective use of ICT	A	B	C	D	E
1	PPTs prepared by the faculty		✓			
2	Smart room usage Register			✓		
3	Industrial Tie Up Programmes				✓	
4	Learning Materials provided				✓	
5	Other Interactive materials prepared/used, NPTEL Course content				✓	

	used					
	$4 + 3 + 6 = 13/25 = 52$	-	1	3	-	
	$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Student Support and Progression	A	B	C	D	E
1	Mentorship Details		✓			
2	Question Bank		✓			
3	Placement Details			✓		
4	Details of Alumni Interaction Program Conducted				✓	
5	Student Counseling Details			✓		
6	Student Membership details in IEEE,IET,ISTE,CSI and other professional Bodies				✓	
	$8 + 6 + 4 = 18/30 = 60$	-	2	2	2	-
	$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100$					
	Governance and Leadership	A	B	C	D	E
1	Faculty Awards					✓
2	Industry Academic Collaboration				✓	
3	Faculty Registered for Ph.D, submitted Synopsis/Thesis, PhD Degree Awarded			✓		
4	Training program organized for Professional development of Teaching staff/non-teaching staff					✓
	$3 + 2 + 2 = 7/20 = 35$	-	-	1	1	2
	$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100$					

Letter grade	Weightage
A	5
B	4
C	3
D	2
E	1

Category wise percentage is calculated with the following formula

$$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100 \quad \text{eq. - 1}$$

$$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 2}$$

$$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100 \quad \text{eq. - 3}$$

$$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100 \quad \text{eq. - 4}$$

$$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 5}$$

$$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100 \quad \text{eq. - 6}$$

$$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100 \quad \text{eq. - 7}$$

C_a - number of times 'A' rating has obtained in that category

C_b - number of times 'B' rating has obtained in that category

C_c - number of times 'C' rating has obtained in that category

C_d - number of times 'D' rating has obtained in that category

C_e - number of times 'E' rating has obtained in that category

The department performance index (Absolute) P_a :-

$$149.09 + 60 + 102.22 + 84 + 52 + 60 + 35$$

$$(P_a = [(C_1 \times 2) + (C_2 \times 1) + (C_3 \times 2) + (C_4 \times 2) + (C_5 \times 1) + (C_6 \times 1) + (C_7 \times 1)] / 10) \quad 54.23 / 10$$

The department performance index (Relative) Pr:-

$$= 54.23 //$$

$$(P_r = P_a / \text{Max}(P_a)) \quad 80\%$$

Observations of the Academic Audit Committee Members

- The curricular aspects of the department is good.
- feedback mechanism needs to be carried out properly.
- ~~There~~ need improvement in teaching learning process.
- Research and other activities of the department is poor and need lot of improvement.

Overall Observations

Research Consultancy and Extension activities and Governance and Leadership qualities should be improved. Pa at 54.23% indicates it is necessary to improve all other aspects even though relative performance is 80%.



Name & Signature

P.V. Samuel Blessed Nayagan

K.A. Janardhanan

Name & Signature

Dr. K.A. Janardhanan



Name & Signature

Dr. A. Shajin Alanganam
Alshether

Name & Signature

Dr. N. Chandrasekhar, B.E., Ph.D (IIT-M)
Pro. Vice Chancellor
Noorul Islam Centre for Higher Education

Noorul Islam Centre for Higher Education

Academic Audit Evaluative Report

Academic Year 2016-2017

Department: *Automobile Engineering.*

Date of Audit: *23.8.17.*

	Description	Five Point Scale				
		A	B	C	D	E
	Curricular Aspects					
1	Lecture Plan	✓				
2	Lab Plan			✓		
3	Student Log Book				✓	
4	Incorporation of BOS Meeting Recommendations			✓		
5	New Electives introduced		✓			
6	Class Committee		✓			
7	Program Committee		✓			
8	Academic - Course Registration		✓			
9	Intramural - Course Registration		✓			
10	Extension Activities					✓
11	Lab Manuel		✓			
	$5+2+6+2+1 = 38/55 = 69.09.$	1	6	2	1	1
	$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100$					
	Feedback	A	B	C	D	E
1	Student Feedback about Faculty		✓			
2	Feedback from Student Regarding curriculum			✓		
3	Feedback from Staff Regarding curriculum			✓		
4	Feedback from Alumni Regarding curriculum			✓		
5	Feedback from Experts (Academic/Industries) Regarding curriculum			✓		
	$4+12 = 16/25 = 64$	-	1	4	-	-
	$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Teaching Learning Process	A	B	C	D	E
1	Remedial Course Details			✓		
2	Slow Learners Details			✓		
3	Students Participation in Seminars, Conference, Symposium Details				✓	
4	Seminars / Workshops/Training program Conducted		✓			

5	Technical symposia Conducted		✓			
6	Invited experts/lecturers details/ Eminent professor/ Scientist/Guest Details				✓	
7	Project work details		✓			
8	Publication details of students			✓		
9	Faculty Training Program				✓	
10	Participation in Seminar/ conferences		✓			
11	Industrial visit/ NSS/ Participation in Annual sports meet			✓		
12	Internal Assessment Details(Timetable and Marks)		✓			
13	Series Test Analysis			✓		
14	End Semester Details, Result Analysis and Rank Details		✓			
15	Student arrear details		✓			
16	Internship Training Details			✓		
17	Syllabus Coverage Details		✓			
18	Lab Coverage	✓				
	$5 + 3 \times 2 + 18 + 6 = 61/90 = 67.77$	1	8	6	3	-
	$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100$					
	Research Consultancy and Extension	A	B	C	D	E
1	National and International conferences organized				✓	
2	Details of Patents Registered					✓
3	Ongoing research projects details					✓
4	Faculty h-index			✓		
5	Publication of faculty (Web of Science/Scopus/book chapters)			✓		
6	Members in editorial boards of National and International Journals				✓	
7	Research awards received by the faculty and students					✓
8	Research Projects Completed and grants received					✓
9	Consultancy services provided and funds received				✓	
10	Promotion of Industry Institution interaction and R&D					✓
	$6 + 6 + 5 = 17/50 = 34$	-	-	2	3	5
	$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100$					
	Effective use of ICT	A	B	C	D	E
1	PPTs prepared by the faculty		✓			
2	Smart room usage Register		✓			
3	Industrial Tie Up Programmes			✓		
4	Learning Materials provided		✓			
5	Other Interactive materials prepared/used, NPTEL Course content		✓			

	used					
	$16 + 3 = 19 / 25 = 76$	-	4	1	-	-
	$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Student Support and Progression	A	B	C	D	E
1	Mentorship Details		✓			
2	Question Bank		✓			
3	Placement Details		✓			
4	Details of Alumni Interaction Program Conducted			✓		
5	Student Counseling Details		✓			
6	Student Membership details in IEEE,IET,ISTE,CSI and other professional Bodies				✓	
	$16 + 3 + 2 = 21 / 30 = 70$	-	4	1	1	-
	$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100$					
	Governance and Leadership	A	B	C	D	E
1	Faculty Awards			✓		
2	Industry Academic Collaboration		✓			
3	Faculty Registered for Ph.D, submitted Synopsis/Thesis, PhD Degree Awarded			✓		
4	Training program organized for Professional development of Teaching staff/non-teaching staff					✓
	$4 + 6 + 1 = 11 / 20 = 55$	-	1	2	-	1
	$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100$					

Letter grade	Weightage
A	5
B	4
C	3
D	2
E	1

Category wise percentage is calculated with the following formula

$$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100 \quad \text{eq. - 1}$$

$$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 2}$$

$$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100 \quad \text{eq. - 3}$$

$$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100 \quad \text{eq. - 4}$$

$$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 5}$$

$$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100 \quad \text{eq. - 6}$$

$$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100 \quad \text{eq. - 7}$$

C_a - number of times 'A' rating has obtained in that category

C_b - number of times 'B' rating has obtained in that category

C_c - number of times 'C' rating has obtained in that category

C_d - number of times 'D' rating has obtained in that category

C_e - number of times 'E' rating has obtained in that category

The department performance index (Absolute) P_a :-

$$= 138.18 + 64 + 135.55 + 68 + 76 + 70 + 55$$

$$(P_a = [(C_1 \times 2) + (C_2 \times 1) + (C_3 \times 2) + (C_4 \times 2) + (C_5 \times 1) + (C_6 \times 1) + (C_7 \times 1)] / 10) \quad 606.73/10$$

The department performance index (Relative) P_r :-

$$= 60.673$$

$$(P_r = P_a / \text{Max}(P_a)) \quad 89\%$$

Observations of the Academic Audit Committee Members

- The curricular aspects of the department is good.
- The feedback mechanism need to be improved.
- The Research consultancy and extension activities ~~are~~ need to be improved.
- Governance and leadership qualities need to be improved.

Overall Observations

Research Consultancy and extension activities should be improved.
 P_a at 60% indicates all other aspects need team's good efforts towards improvements even though P_r is 89%.

Name & Signature

P.V. Samuel Blessed Nayanar.

K.A. Janardhanan.

Name & Signature

Dr. K.A. Janardhanan

Name & Signature

Dr. A. Shaji Nanguram

Dr. N. Chandrashekhar

Name & Signature

Dr. N. Chandrashekhar, B.E., Ph.D (IIT-M),
 Pro. Vice Chancellor
 Noorul Islam Centre for Higher Education

Noorul Islam Centre for Higher Education

Academic Audit Evaluative Report

Academic Year 2016-2017

Department: *Aeronautical*

Date of Audit: *22.8.17*

	Description	Five Point Scale				
		A	B	C	D	E
	Curricular Aspects					
1	Lecture Plan	✓				
2	Lab Plan	✓				
3	Student Log Book		✓			
4	Incorporation of BOS Meeting Recommendations		✓			
5	New Electives introduced	✓				
6	Class Committee		✓			
7	Program Committee		✓			
8	Academic - Course Registration		✓			
9	Intramural - Course Registration		✓			
10	Extension Activities				✓	
11	Lab Manuel		✓			
	$\frac{15+28+2}{55} = 45/55 = 81.81$	3	7	-	1	-
	$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100$					
	Feedback	A	B	C	D	E
1	Student Feedback about Faculty		✓			
2	Feedback from Student Regarding curriculum		✓			
3	Feedback from Staff Regarding curriculum		✓			
4	Feedback from Alumni Regarding curriculum		✓			
5	Feedback from Experts (Academic/Industries) Regarding curriculum		✓			
	$\frac{20}{25} = 80$	-	5	-	-	-
	$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Teaching Learning Process	A	B	C	D	E
1	Remedial Course Details			✓		
2	Slow Learners Details			✓		
3	Students Participation in Seminars, Conference, Symposium Details			✓		
4	Seminars / Workshops/Training program Conducted				✓	

5	Technical symposia Conducted			0	✓	
6	Invited experts/lecturers details/ Eminent professor/ Scientist/Guest Details		✓			
7	Project work details		✓			
8	Publication details of students		✓			
9	Faculty Training Program		✓			
10	Participation in Seminar/ conferences			✓		
11	Industrial visit/ NSS/ Participation in Annual sports meet		✓			
12	Internal Assessment Details(Timetable and Marks)			0	✓	
13	Series Test Analysis		✓			
14	End Semester Details, Result Analysis and Rank Details		✓			
15	Student arrear details			✓		
16	Internship Training Details	✓				
17	Syllabus Coverage Details		✓			
18	Lab Coverage		✓			
	$5 + 36 + 15 + 6 = 62/90 = 68.88$	1	9	5	3	
	$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100$					
	Research Consultancy and Extension	A	B	C	D	E
1	National and International conferences organized				✓	
2	Details of Patents Registered					✓
3	Ongoing research projects details				✓	
4	Faculty h-index			✓		
5	Publication of faculty (Web of Science/Scopus/book chapters)			✓		
6	Members in editorial boards of National and International Journals	0	✓			
7	Research awards received by the faculty and students				✓	
8	Research Projects Completed and grants received				✓	
9	Consultancy services provided and funds received					✓
10	Promotion of Industry Institution interaction and R&D					✓
	$4 + 6 + 8 + 3 = 21/50 = 42$	—	1	2	4	3
	$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100$					
	Effective use of ICT	A	B	C	D	E
1	PPTs prepared by the faculty			✓		
2	Smart room usage Register			✓		
3	Industrial Tie Up Programmes	✓				
4	Learning Materials provided		✓	*		
5	Other Interactive materials prepared/used, NPTEL Course content		✓			

	used					
	$5+8+6 = 19/25 = 76$	1	2	2	-	-
	$C_5=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Student Support and Progression	A	B	C	D	E
1	Mentorship Details		✓			
2	Question Bank		✓			
3	Placement Details			✓		
4	Details of Alumni Interaction Program Conducted		✓			
5	Student Counseling Details		✓			
6	Student Membership details in IEEE,IET,ISTE,CSI and other professional Bodies				✓	
	$16+342 = 21/30 = 70$	-	4	1	1	-
	$C_6=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100$					
	Governance and Leadership	A	B	C	D	E
1	Faculty Awards		✓			
2	Industry Academic Collaboration			✓		
3	Faculty Registered for Ph.D, submitted Synopsis/Thesis, PhD Degree Awarded			✓		
4	Training program organized for Professional development of Teaching staff/non-teaching staff				✓	
	$4+6+2 = 12/20 = 60$	-	1	2	1	-
	$C_7=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100$					

Letter grade	Weightage
A	5
B	4
C	3
D	2
E	1

Category wise percentage is calculated with the following formula

$$C_1=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100 \quad \text{eq. - 1}$$

$$C_2=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 2}$$

$$C_3=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100 \quad \text{eq. - 3}$$

$$C_4=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100 \quad \text{eq. - 4}$$

$$C_5=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 5}$$

$$C_6=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100 \quad \text{eq. - 6}$$

$$C_7=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100 \quad \text{eq. - 7}$$

C_a - number of times 'A' rating has obtained in that category

C_b - number of times 'B' rating has obtained in that category

C_c - number of times 'C' rating has obtained in that category

C_d - number of times 'D' rating has obtained in that category

C_e - number of times 'E' rating has obtained in that category

The department performance index (Absolute) P_a :-

$$163.62 + 80 + 137.77 + 84 + 76 + 70 + 60$$

$$(P_a = [(C_1 \times 2) + (C_2 \times 1) + (C_3 \times 2) + (C_4 \times 2) + (C_5 \times 1) + (C_6 \times 1) + (C_7 \times 1)] / 10) = 671.39/10$$

The department performance index (Relative) Pr:- 67.13%

$$(P_r = P_a / \text{Max}(P_a)) \quad 99\%$$

Observations of the Academic Audit Committee Members

- On curricular feedback the department performance is excellent.
- In Teaching learning, use of ICT, student support the department is good and need to be improved.
- A lot of scope for improvement in Research and consultancy.

Overall Observations

Research Consultancy Extension activities should be improved. P_a is 67.13 and P_r is 99% indicates all other aspects also need the attention and improvement even though P_r is 99%.



Name & Signature

P. V. Samuel Blessed Nayan.



Name & Signature

Dr. K. A. Janardhanan



Name & Signature

Dr. A. Shajin Alargumal.



Name & Signature

Dr. N. Chandrasekhar, B.E., Ph.D (IT-M),
Pro. Vice Chancellor
Noorul Islam Centre for Higher Education

Noorul Islam Centre for Higher Education

Academic Audit Evaluative Report

Academic Year 2016-2017

Department: *Aerospace Engineering*

Date of Audit: *22/8/17*

	Description	Five Point Scale				
		A	B	C	D	E
	Curricular Aspects					
1	Lecture Plan		✓			
2	Lab Plan		✓			
3	Student Log Book				✓	
4	Incorporation of BOS Meeting Recommendations		✓			
5	New Electives introduced				✓	
6	Class Committee		✓			
7	Program Committee		✓			
8	Academic - Course Registration			✓		
9	Intramural - Course Registration				✓	
10	Extension Activities					✓
11	Lab Manual		✓			
	$24+3+6+1 = 37/55 = 61.81$	-	6	1	3	1
	$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100$					
	Feedback	A	B	C	D	E
1	Student Feedback about Faculty			✓		
2	Feedback from Student Regarding curriculum			✓		
3	Feedback from Staff Regarding curriculum			✓		
4	Feedback from Alumni Regarding curriculum			✓		
5	Feedback from Experts (Academic/Industries) Regarding curriculum			✓		
	$15/25 = 60$	-	-	5	-	-
	$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Teaching Learning Process	A	B	C	D	E
1	Remedial Course Details				✓	
2	Slow Learners Details			✓		
3	Students Participation in Seminars, Conference, Symposium Details				✓	
4	Seminars / Workshops/Training program Conducted			✓		

5	Technical symposia Conducted			✓		
6	Invited experts/lecturers details/ Eminent professor/ Scientist/Guest Details				✓	
7	Project work details			✓		
8	Publication details of students					✓
9	Faculty Training Program					✓
10	Participation in Seminar/ conferences				✓	
11	Industrial visit/ NSS/ Participation in Annual sports meet			✓		
12	Internal Assessment Details(Timetable and Marks)				✓	
13	Series Test Analysis				✓	
14	End Semester Details, Result Analysis and Rank Details				✓	
15	Student arrear details				✓	
16	Internship Training Details			✓		
17	Syllabus Coverage Details			✓		
18	Lab Coverage			✓		
	$24 + 16 + 2 = 42/90 = 46.66$			8	8	2
	$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100$					
	Research Consultancy and Extension	A	B	C	D	E
1	National and International conferences organized				✓	
2	Details of Patents Registered				✓	
3	Ongoing research projects details			✓		
4	Faculty h-index			✓		
5	Publication of faculty (Web of Science/Scopus/book chapters)			✓		
6	Members in editorial boards of National and International Journals			✓		
7	Research awards received by the faculty and students				✓	
8	Research Projects Completed and grants received				✓	
9	Consultancy services provided and funds received				✓	
10	Promotion of Industry Institution interaction and R&D				✓	
	$12 + 12 = 24/50 = 48$	-	-	4	6	-
	$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100$					
	Effective use of ICT	A	B	C	D	E
1	PPTs prepared by the faculty			✓		
2	Smart room usage Register			✓		
3	Industrial Tie Up Programmes			✓		
4	Learning Materials provided				✓	
5	Other Interactive materials prepared/used, NPTEL Course content				✓	

	used					
	$9+4 = 13 / 25 = 52$	-	-	3	2	-
	$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Student Support and Progression	A	B	C	D	E
1	Mentorship Details				✓	
2	Question Bank			✓		
3	Placement Details			✓		
4	Details of Alumni Interaction Program Conducted				✓	
5	Student Counseling Details				✓	
6	Student Membership details in IEEE,IET,ISTE,CSI and other professional Bodies					✓
	$6+6+1 = 13 / 30 = 43.33$	-	-	2	3	1
	$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100$					
	Governance and Leadership	A	B	C	D	E
1	Faculty Awards					✓
2	Industry Academic Collaboration				✓	
3	Faculty Registered for Ph.D, submitted Synopsis/Thesis, PhD Degree Awarded			✓		
4	Training program organized for Professional development of Teaching staff/non-teaching staff					✓
	$3+2+2 = 7 / 20 = 35$	-	-	1	1	2
	$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100$					

Letter grade	Weightage
A	5
B	4
C	3
D	2
E	1

Category wise percentage is calculated with the following formula

$$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100 \quad \text{eq. - 1}$$

$$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 2}$$

$$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100 \quad \text{eq. - 3}$$

$$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100 \quad \text{eq. - 4}$$

$$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 5}$$

$$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100 \quad \text{eq. - 6}$$

$$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100 \quad \text{eq. - 7}$$

C_a - number of times 'A' rating has obtained in that category

C_b - number of times 'B' rating has obtained in that category

C_c - number of times 'C' rating has obtained in that category

C_d - number of times 'D' rating has obtained in that category

C_e - number of times 'E' rating has obtained in that category

The department performance index (Absolute) P_a :-

$$123.62 + 60 + 93.33 + 96 + 52 + 43.33 + 35$$

$$(P_a = [(C_1 \times 2) + (C_2 \times 1) + (C_3 \times 2) + (C_4 \times 2) + (C_5 \times 1) + (C_6 \times 1) + (C_7 \times 1)] / 10) \quad 50.328/10$$

The department performance index (Relative) Pr:- 5

50.328

$$(P_r = P_a / \text{Max}(P_a)) \quad 73\%$$

Observations of the Academic Audit Committee Members

- The curricular aspects of the department is good and the feedback mechanism need to be done properly.
- The maintenance of file in the department is very poor.
- need to concentrate more on Research and other extra curricular activities.

Overall Observations

Curricular and feedback are around 60%. All other aspects are below 50%. Hence P_a is around 50% & P_r is 73%. Hence all aspects require attention and improvement.

Name & Signature

P. V. Samuel

K. A. Janardhanan

Name & Signature

Dr. K. A. Janardhanan

Name & Signature

Dr. A. Shajin Nargunam

Name & Signature

Dr. H. Chandrashekhar, BE., Ph.D (IIT-M),
Pro. Vice Chancellor
Noorul Islam Centre for Higher Education

Noorul Islam Centre for Higher Education

Academic Audit Evaluative Report

Academic Year 2016-2017

Department: Chemistry

Date of Audit: 28/8/17

	Description	Five Point Scale				
		A	B	C	D	E
	Curricular Aspects					
1	Lecture Plan	✓				
2	Lab Plan	✓				
3	Student Log Book					✓
4	Incorporation of BOS Meeting Recommendations			✓		
5	New Electives introduced			✓		
6	Class Committee		✓			
7	Program Committee		✓			
8	Academic - Course Registration					✓
9	Intramural - Course Registration	NA				
10	Extension Activities					✓
11	Lab Manuel	✓				
	$15 + 8 + 6 + 3 = 32 / 50 = 64$	3	2	2	-	3
	$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100$					
	Feedback	A	B	C	D	E
1	Student Feedback about Faculty		✓			
2	Feedback from Student Regarding curriculum			✓		
3	Feedback from Staff Regarding curriculum			✓		
4	Feedback from Alumni Regarding curriculum			✓		
5	Feedback from Experts (Academic/Industries) Regarding curriculum			✓		
	$4 + 12 = 16 / 25 = 64$	-	1	4	-	-
	$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Teaching Learning Process	A	B	C	D	E
1	Remedial Course Details		✓			
2	Slow Learners Details		✓			
3	Students Participation in Seminars, Conference, Symposium Details			✓		
4	Seminars / Workshops/Training program Conducted				✓	

5	Technical symposia Conducted					✓
6	Invited experts/lecturers details/ Eminent professor/ Scientist/Guest Details				✓	
7	Project work details		✓			
8	Publication details of students			✓		
9	Faculty Training Program				✓	
10	Participation in Seminar/ conferences			✓		
11	Industrial visit/ NSS/ Participation in Annual sports meet					✓
12	Internal Assessment Details(Timetable and Marks)		✓			
13	Series Test Analysis		✓			
14	End Semester Details, Result Analysis and Rank Details	✓				
15	Student arrear details	✓				
16	Internship Training Details			✓	✓	
17	Syllabus Coverage Details	✓				
18	Lab Coverage	✓				
	$20 + 20 + 12 + 6 + 2 = 60/90 = 66.67$	4	5	4	3	2
	$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100$					
	Research Consultancy and Extension	A	B	C	D	E
1	National and International conferences organized				✓	
2	Details of Patents Registered		✓			
3	Ongoing research projects details			✓		
4	Faculty h-index			✓		
5	Publication of faculty (Web of Science/Scopus/book chapters)		✓			
6	Members in editorial boards of National and International Journals			✓		
7	Research awards received by the faculty and students				✓	
8	Research Projects Completed and grants received		✓			
9	Consultancy services provided and funds received					✓
10	Promotion of Industry Institution interaction and R&D				✓	
	$12 + 9 + 6 + 1 = 28/50 = 56$	-	3	3	3	1
	$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100$					
	Effective use of ICT	A	B	C	D	E
1	PPTs prepared by the faculty		✓			
2	Smart room usage Register	✓				
3	Industrial Tie Up Programmes				✓	
4	Learning Materials provided		✓			
5	Other Interactive materials prepared/used, NPTEL Course content		✓			

	used					
	$5 + 12 + 2 = 19/25 = 76$	1	3	-	1	-
	$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Student Support and Progression	A	B	C	D	E
1	Mentorship Details			✓		
2	Question Bank		✓			
3	Placement Details					✓
4	Details of Alumni Interaction Program Conducted					✓
5	Student Counseling Details					✓
6	Student Membership details in IEEE,IET,ISTE,CSI and other professional Bodies					✓
	$4 + 3 + 4 = 11/30 = 36.66$	-	1	1	-	4
	$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100$					
	Governance and Leadership	A	B	C	D	E
1	Faculty Awards					✓
2	Industry Academic Collaboration					✓
3	Faculty Registered for Ph.D, submitted Synopsis/Thesis, PhD Degree Awarded			✓		
4	Training program organized for Professional development of Teaching staff/non-teaching staff					✓
	$3 + 3 = 6/20 = 30$	-	-	1	-	3
	$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100$					

Letter grade	Weightage
A	5
B	4
C	3
D	2
E	1

Category wise percentage is calculated with the following formula

$$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100 \quad \text{eq. - 1}$$

$$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 2}$$

$$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100 \quad \text{eq. - 3}$$

$$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100 \quad \text{eq. - 4}$$

$$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 5}$$

$$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100 \quad \text{eq. - 6}$$

$$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100 \quad \text{eq. - 7}$$

C_a - number of times 'A' rating has obtained in that category

C_b - number of times 'B' rating has obtained in that category

C_c - number of times 'C' rating has obtained in that category

C_d - number of times 'D' rating has obtained in that category

C_e - number of times 'E' rating has obtained in that category

The department performance index (Absolute) P_a :-

$$12.8 + 64 + 133.34 + 112 + 76 + 36.66 + 30$$

$$(P_a = [(C_1 \times 2) + (C_2 \times 1) + (C_3 \times 2) + (C_4 \times 2) + (C_5 \times 1) + (C_6 \times 1) + (C_7 \times 1)] / 10) \quad 580/10$$

The department performance index (Relative) P_r :-

$$= 58\%$$

$$(P_r = P_a / \text{Max}(P_a)) \quad 85\%$$

Observations of the Academic Audit Committee Members

- Curricular aspects are good, Teaching learning process should be improved.
- Research consultancy and extension activities requires more concentration.
- Need improvement in all aspects.

Overall Observations

Governance, leadership qualities, support to students, progression of students of each team member is lacking. Research, Consultancy and extension activities lack efforts from team members. Even P_a at 58% indicates there is lot of scope in all other aspects. Needs team work. P_r at 85% has no meaning.

Name & Signature

P. V. Samuel Blessed Niyagan

K. A. Janardhan

Name & Signature

Dr. K. A. Janardhanan

Name & Signature

Dr. A. Shaji Alargunan
Jushell

Name & Signature

Dr. N. Chandrashekar, B.E., Ph.D (IIT-M)
Pro. Vice Chancellor
Noorul Islam Centre for Higher Education

Noorul Islam Centre for Higher Education

Academic Audit Evaluative Report

Academic Year 2016-2017

Department: English

Date of Audit: 30/5/19

	Description	Five Point Scale				
		A	B	C	D	E
	Curricular Aspects					
1	Lecture Plan				✓	
2	Lab Plan	NA				
3	Student Log Book				✓	
4	Incorporation of BOS Meeting Recommendations		✓			
5	New Electives introduced					✓
6	Class Committee				✓	
7	Program Committee				✓	
8	Academic - Course Registration				✓	
9	Intramural - Course Registration				✓	
10	Extension Activities					✓
11	Lab Manuel	NA				
	$4 + 12 + 2 = 18 / 45 = 40$	-	1	-	6	2
	$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100$					
	Feedback	A	B	C	D	E
1	Student Feedback about Faculty				✓	
2	Feedback from Student Regarding curriculum				✓	
3	Feedback from Staff Regarding curriculum					✓
4	Feedback from Alumni Regarding curriculum					✓
5	Feedback from Experts (Academic/Industries) Regarding curriculum					✓
	$4 + 3 = 7 / 25 = 28$	-	-	-	2	3
	$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Teaching Learning Process	A	B	C	D	E
1	Remedial Course Details				✓	
2	Slow Learners Details				✓	
3	Students Participation in Seminars, Conference, Symposium Details				✓	
4	Seminars / Workshops/Training program Conducted		✓			

5	Technical symposia Conducted					✓
6	Invited experts/lecturers details/ Eminent professor/ Scientist/Guest Details					✓
7	Project work details				✓	
8	Publication details of students					✓
9	Faculty Training Program					✓
10	Participation in Seminar/ conferences				✓	
11	Industrial visit/ NSS/ Participation in Annual sports meet					✓
12	Internal Assessment Details(Timetable and Marks)			✓		
13	Series Test Analysis				✓	
14	End Semester Details, Result Analysis and Rank Details				✓	
15	Student arrear details					✓
16	Internship Training Details					✓
17	Syllabus Coverage Details			✓		
18	Lab Coverage	NA				
	$4+6+14+7=31/85=36.47$	-	1	2	7	7
	$C_3=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100$					
	Research Consultancy and Extension	A	B	C	D	E
1.	National and International conferences organized					✓
2	Details of Patents Registered	NA				
3	Ongoing research projects details					✓
4	Faculty h-index				✓	
5	Publication of faculty (Web of Science/Scopus/book chapters)				✓	
6	Members in editorial boards of National and International Journals					✓
7	Research awards received by the faculty and students					✓
8	Research Projects Completed and grants received					✓
9	Consultancy services provided and funds received	NA				
10	Promotion of Industry Institution interaction and R&D	NA				
	$4+5=9/35=25.71$	-	-	-	2	5
	$C_4=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100$					
	Effective use of ICT	A	B	C	D	E
1	PPTs prepared by the faculty				✓	
2	Smart room usage Register		✓			
3	Industrial Tie Up Programmes	NA				
4	Learning Materials provided				✓	
5	Other Interactive materials prepared/used, NPTEL Course content				✓	

	used					
	$4+6+6 = 16/20 = 80$	-	1	-	3	-
	$C_5=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Student Support and Progression	A	B	C	D	E
1	Mentorship Details				✓	
2	Question Bank			✓		
3	Placement Details			✓	✓	
4	Details of Alumni Interaction Program Conducted			✓	✓	
5	Student Counseling Details				✓	
6	Student Membership details in IEEE,IET,ISTE,CSI and other professional Bodies					✓
	$6+6+1 = 13/30 = 43.33$	-	-	2	3	1
	$C_6=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100$					
	Governance and Leadership	A	B	C	D	E
1	Faculty Awards					✓
2	Industry Academic Collaboration					✓
3	Faculty Registered for Ph.D, submitted Synopsis/Thesis, PhD Degree Awarded			✓		
4	Training program organized for Professional development of Teaching staff/non-teaching staff					✓
	$3+3 = 6/20 = 30$	-	-	1	-	3
	$C_7=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100$					

Letter grade	Weightage
A	5
B	4
C	3
D	2
E	1

Category wise percentage is calculated with the following formula

$$C_1=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100 \quad \text{eq. - 1}$$

$$C_2=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 2}$$

$$C_3=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100 \quad \text{eq. - 3}$$

$$C_4=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100 \quad \text{eq. - 4}$$

$$C_5=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 5}$$

$$C_6=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100 \quad \text{eq. - 6}$$

$$C_7=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100 \quad \text{eq. - 7}$$

C_a - number of times 'A' rating has obtained in that category

C_b - number of times 'B' rating has obtained in that category

C_c - number of times 'C' rating has obtained in that category

C_d - number of times 'D' rating has obtained in that category

C_e - number of times 'E' rating has obtained in that category

The department performance index (Absolute) P_a :-

$$80 + 28 + 72.94 + 51.42 + 50 + 43.33 + 30$$

=

$$(P_a = [(C_1 \times 2) + (C_2 \times 1) + (C_3 \times 2) + (C_4 \times 2) + (C_5 \times 1) + (C_6 \times 1) + (C_7 \times 1)] / 10) \quad 355.69/10$$

The department performance index (Relative) P_r :-

$$= 35.569.$$

$$(P_r = P_a / \text{Max}(P_a)) \quad 52\%$$

Observations of the Academic Audit Committee Members

- Curricular aspects, Teaching learning mechanism are good and need more efforts to improve.
- feedback mechanism is poor.
- File maintenance of the department is poor.
- Need improvement in every aspects.

Overall Observations

Governance, leadership qualities, progression of students, support to students, teaching learning processes are extremely poor. It is reflected in P_a at 35.5% and P_r at 52%. Each and every aspects needs efforts from every team member.


Name & Signature

P.V. Samuel Bkscd Narguram

K.A. Janardhan

Name & Signature

DR. K.A. Janardhanan


Name & Signature

Dr. A. Shajin Narguram


Name & Signature

Dr. N. Chandrashekhara, BE., Ph.D (IIT-M)

Pro Vice Chancellor
Maarul Islam Centre for Higher Education

Noorul Islam Centre for Higher Education

Academic Audit Evaluative Report

Academic Year 2016-2017

Department: Software Engg.

Date of Audit: 30/8/17

	Description	Five Point Scale				
		A	B	C	D	E
	Curricular Aspects					
1	Lecture Plan	✓				
2	Lab Plan	✓				
3	Student Log Book		✓			
4	Incorporation of BOS Meeting Recommendations		✓			
5	New Electives introduced		✓			
6	Class Committee	✓				
7	Program Committee	✓				
8	Academic - Course Registration	✓				
9	Intramural - Course Registration	✓				
10	Extension Activities					✓
11	Lab Manuel		✓			
	$30 + 16 + 1 = 47 / 55 = 85.45$	6	4	-	-	1
	$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100$					
	Feedback	A	B	C	D	E
1	Student Feedback about Faculty		✓			
2	Feedback from Student Regarding curriculum		✓			
3	Feedback from Staff Regarding curriculum		✓			
4	Feedback from Alumni Regarding curriculum		✓			
5	Feedback from Experts (Academic/Industries) Regarding curriculum		✓			
	$20 / 25 = 80$	-	5	-	-	-
	$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Teaching Learning Process	A	B	C	D	E
1	Remedial Course Details		✓			
2	Slow Learners Details		✓			
3	Students Participation in Seminars, Conference, Symposium Details		✓			
4	Seminars / Workshops/Training program Conducted			✓		

5	Technical symposia Conducted		✓			
6	Invited experts/lecturers details/ Eminent professor/ Scientist/Guest Details				✓	
7	Project work details		✓			
8	Publication details of students			✓		
9	Faculty Training Program					✓
10	Participation in Seminar/ conferences		✓			
11	Industrial visit/ NSS/ Participation in Annual sports meet		✓			
12	Internal Assessment Details(Timetable and Marks)		✓			
13	Series Test Analysis		✓			
14	End Semester Details, Result Analysis and Rank Details	✓				
15	Student arrear details	✓				
16	Internship Training Details					✓
17	Syllabus Coverage Details	✓				
18	Lab Coverage	✓				
	$20+36+6+2+2 = 66/90 = 73.33$	4	9	2	1	2
	$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100$					
	Research Consultancy and Extension	A	B	C	D	E
1	National and International conferences organized			✓		
2	Details of Patents Registered					✓
3	Ongoing research projects details					✓
4	Faculty h-index			✓		
5	Publication of faculty (Web of Science/Scopus/book chapters)			✓		
6	Members in editorial boards of National and International Journals				✓	
7	Research awards received by the faculty and students					✓
8	Research Projects Completed and grants received					✓
9	Consultancy services provided and funds received					✓
10	Promotion of Industry Institution interaction and R&D			✓		
	$12 + 2 + 5 = 19/50$	-	-	4	1	5
	$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100$					
	Effective use of ICT	A	B	C	D	E
1	PPTs prepared by the faculty		✓			
2	Smart room usage Register		✓			
3	Industrial Tie Up Programmes			✓		
4	Learning Materials provided		✓			
5	Other Interactive materials prepared/used, NPTEL Course content			✓		

	used					
	$12+6=18/25=72$	-	3	2	-	-
	$C_5=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1)/25 \times 100$					
	Student Support and Progression	A	B	C	D	E
1	Mentorship Details		✓			
2	Question Bank	✓				
3	Placement Details		✓			
4	Details of Alumni Interaction Program Conducted		✓			
5	Student Counseling Details		✓			
6	Student Membership details in IEEE,IET,ISTE,CSI and other professional Bodies					✓
	$5+16+1=22/30=73$	1	4	-	-	1
	$C_6=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1)/30 \times 100$					
	Governance and Leadership	A	B	C	D	E
1	Faculty Awards					✓
2	Industry Academic Collaboration				✓	
3	Faculty Registered for Ph.D, submitted Synopsis/Thesis, PhD Degree Awarded				✓	
4	Training program organized for Professional development of Teaching staff/non-teaching staff					✓
	$4+2=6/20=30$	-	-	-	2	2
	$C_7=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1)/20 \times 100$					

Letter grade	Weightage
A	5
B	4
C	3
D	2
E	1

Category wise percentage is calculated with the following formula

$$C_1=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1)/55 \times 100 \quad \text{eq. - 1}$$

$$C_2=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1)/25 \times 100 \quad \text{eq. - 2}$$

$$C_3=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1)/90 \times 100 \quad \text{eq. - 3}$$

$$C_4=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1)/50 \times 100 \quad \text{eq. - 4}$$

$$C_5=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1)/25 \times 100 \quad \text{eq. - 5}$$

$$C_6=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1)/30 \times 100 \quad \text{eq. - 6}$$

$$C_7=(C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1)/20 \times 100 \quad \text{eq. - 7}$$

C_a - number of times 'A' rating has obtained in that category

C_b - number of times 'B' rating has obtained in that category

C_c - number of times 'C' rating has obtained in that category

C_d - number of times 'D' rating has obtained in that category

C_e - number of times 'E' rating has obtained in that category

The department performance index (Absolute) P_a :-

$$170.96 + 80 + 126.66 + 76 + 72 + 73 + 30$$

$$(P_a = [(C_1 \times 2) + (C_2 \times 1) + (C_3 \times 2) + (C_4 \times 2) + (C_5 \times 1) + (C_6 \times 1) + (C_7 \times 1)] / 10) \quad 64.8 \cdot 56 / 10$$

The department performance index (Relative) P_r :-

$$= 64.8 \cdot 8$$

$$(P_r = P_a / \text{Max}(P_a)) \quad 95 \%$$

Observations of the Academic Audit Committee Members

- Curricular aspects and feedback mechanism are good.
- Teaching learning need to be improved.
- Research consultancy and extension activities are almost non existent.

Overall Observations

Governance and Leadership qualities ~~are~~ of the team are non existent. There is almost nil research, consultancy and extension activities. P_a at 64.8% indicates there lot of scope to improve all other aspects. P_r at 95% has no meaning. Needs efforts of the members of the team.



Name & Signature

P.V. Samuel Blessed Nayagam

K.A. Janardhanan

Name & Signature

Dr. K.A. Janardhanan

Name & Signature

Dr. A. Shaji Narguam
R. Shaji

Dr. N. Chandrasekhar, B.E., Ph.D (IT-M)
Pro Vice-Chancellor
Muslim Centre for Higher Education

Noorul Islam Centre for Higher Education

Academic Audit Evaluative Report

Academic Year 2016-2017

Department: *Physcos.*

Date of Audit: *26/8/17*

	Description	Five Point Scale				
		A	B	C	D	E
	Curricular Aspects	<i>NA</i>				
1	Lecture Plan	<i>✓</i>				
2	Lab Plan				<i>✓</i>	
3	Student Log Book		<i>✓</i>			
4	Incorporation of BOS Meeting Recommendations			<i>✓</i>		
5	New Electives introduced				<i>✓</i>	
6	Class Committee		<i>✓</i>			
7	Program Committee		<i>✓</i>			
8	Academic - Course Registration		<i>NA</i>			<i>✓</i>
9	Intramural - Course Registration	<i>NA</i>				
10	Extension Activities				<i>✓</i>	
11	Lab Manuel		<i>✓</i>			
	<i>5 + 16 + 3 + 6 + 1 = 31 / 50 = 62.</i>	<i>1</i>	<i>4</i>	<i>1</i>	<i>3</i>	<i>1</i>
	$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100$					
	Feedback	A	B	C	D	E
1	Student Feedback about Faculty		<i>✓</i>			
2	Feedback from Student Regarding curriculum			<i>✓</i>		
3	Feedback from Staff Regarding curriculum			<i>✓</i>		
4	Feedback from Alumni Regarding curriculum			<i>✓</i>		
5	Feedback from Experts (Academic/Industries) Regarding curriculum			<i>✓</i>		
		<i>-</i>	<i>1</i>	<i>4</i>	<i>-</i>	<i>-</i>
	$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Teaching Learning Process	A	B	C	D	E
1	Remedial Course Details					<i>✓</i>
2	Slow Learners Details					<i>✓</i>
3	Students Participation in Seminars, Conference, Symposium Details			<i>✓</i>		
4	Seminars / Workshops/Training program Conducted		<i>✓</i>			

5	Technical symposia Conducted				✓	
6	Invited experts/lecturers details/ Eminent professor/ Scientist/Guest Details		✓			
7	Project work details		✓			
8	Publication details of students		✓			
9	Faculty Training Program		✓			
10	Participation in Seminar/ conferences		✓			
11	Industrial visit/ NSS/ Participation in Annual sports meet				✓	
12	Internal Assessment Details(Timetable and Marks)		✓			
13	Series Test Analysis		✓			
14	End Semester Details, Result Analysis and Rank Details		✓			
15	Student arrear details			✓		
16	Internship Training Details					✓
17	Syllabus Coverage Details		✓			
18	Lab Coverage			✓		
	$210 + 9 + 4 + 3 = 56 / 90 = 62$	-	10	3	2	3
	$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100$					
	Research Consultancy and Extension	A	B	C	D	E
1	National and International conferences organized				✓	
2	Details of Patents Registered					✓
3	Ongoing research projects details					✓
4	Faculty h-index					✓
5	Publication of faculty (Web of Science/Scopus/book chapters)		✓			
6	Members in editorial boards of National and International Journals					✓
7	Research awards received by the faculty and students					✓
8	Research Projects Completed and grants received					✓
9	Consultancy services provided and funds received					✓
10	Promotion of Industry Institution interaction and R&D				✓	✓
	$1 + 4 + 7 = 15 / 50 = 30$	-	1	-	2	7
	$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100$					
	Effective use of ICT	A	B	C	D	E
1	PPTs prepared by the faculty		✓			
2	Smart room usage Register		✓			
3	Industrial Tie Up Programmes					✓
4	Learning Materials provided			✓		
5	Other Interactive materials prepared/used, NPTEL Course content			✓		

	used					
	$8 + 6 + 1 = 15 / 25 = 60$	-	2	2	-	1
	$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Student Support and Progression	A	B	C	D	E
1	Mentorship Details	✓				
2	Question Bank	✓				
3	Placement Details					✓
4	Details of Alumni Interaction Program Conducted			✓		
5	Student Counseling Details		✓			
6	Student Membership details in IEEE,IET,ISTE,CSI and other professional Bodies					✓
	$10 + 4 + 3 + 2 = 19 / 30 = 63$	2	1	1	-	2
	$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100$					
	Governance and Leadership	A	B	C	D	E
1	Faculty Awards					✓
2	Industry Academic Collaboration					✓
3	Faculty Registered for Ph.D, submitted Synopsis/Thesis, PhD Degree Awarded			✓		
4	Training program organized for Professional development of Teaching staff/non-teaching staff		✓			
	$4 + 3 + 2 = 9 / 20 = 45$	-	1	1	-	2
	$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100$					

Letter grade	Weightage
A	5
B	4
C	3
D	2
E	1

Category wise percentage is calculated with the following formula

$$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100 \quad \text{eq. - 1}$$

$$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 2}$$

$$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100 \quad \text{eq. - 3}$$

$$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100 \quad \text{eq. - 4}$$

$$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 5}$$

$$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100 \quad \text{eq. - 6}$$

$$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100 \quad \text{eq. - 7}$$

C_a - number of times 'A' rating has obtained in that category

C_b - number of times 'B' rating has obtained in that category

C_c - number of times 'C' rating has obtained in that category

C_d - number of times 'D' rating has obtained in that category

C_e - number of times 'E' rating has obtained in that category

The department performance index (Absolute) P_a :-

$$124 + 64 + 124 + 60 + 60 + 63 + 45$$

$$(P_a = [(C_1 \times 2) + (C_2 \times 1) + (C_3 \times 2) + (C_4 \times 2) + (C_5 \times 1) + (C_6 \times 1) + (C_7 \times 1)] / 10) \quad 540/10$$

$$= 54.$$

The department performance index (Relative) P_r :-

$$(P_r = P_a / \text{Max}(P_a)) \quad 79\%$$

Observations of the Academic Audit Committee Members

- Feedback mechanism is good.
- Teaching learning process need improvement.
- Research, consultancy and extension activities ~~are~~ require more attention.
- Governance and leadership qualities are poor and need to be improved.

Overall Observations

Research Consultancy and Extension activities are almost non-existent. Governance and leadership qualities of each team member should improve. Put at 54% indication of lot scope for improvement in all other aspects as team work.

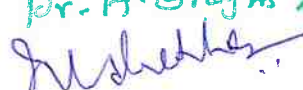

Name & Signature

P. V. Samuel Blessed Noyyagam


Name & Signature

Dr. K. A. Janardhanan


Name & Signature

Dr. A. Shajin Narguran


Name & Signature

Dr. N. Chandrashekar, B.E., Ph.D (IIT-M),
Pro. Vice Chancellor
Noorul Islam Centre for Higher Education

Noorul Islam Centre for Higher Education

Academic Audit Evaluative Report

Academic Year 2016-2017

Department: Nano Technology .

Date of Audit: 31/8/17

	Description	Five Point Scale				
		A	B	C	D	E
	Curricular Aspects					
1	Lecture Plan	✓	✓			
2	Lab Plan	✓	✓			
3	Student Log Book		✓	✓		
4	Incorporation of BOS Meeting Recommendations		✓	✓		
5	New Electives introduced	✓				
6	Class Committee	✓				
7	Program Committee		✓			
8	Academic - Course Registration		✓			
9	Intramural - Course Registration		✓			
10	Extension Activities				✓	
11	Lab Manuel	✓				
	$25 + 20 + 1 = 46 / 55 = 83.63$	5	5	-	1	-
	$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100$					
	Feedback	A	B	C	D	E
1	Student Feedback about Faculty		✓			
2	Feedback from Student Regarding curriculum		✓			
3	Feedback from Staff Regarding curriculum		✓			
4	Feedback from Alumni Regarding curriculum			✓		
5	Feedback from Experts (Academic/Industries) Regarding curriculum			✓		
	$12 + 6 = 18 / 25 = 72$	-	3	2	-	-
	$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Teaching Learning Process	A	B	C	D	E
1	Remedial Course Details					✓
2	Slow Learners Details					✓
3	Students Participation in Seminars, Conference, Symposium Details		✓			
4	Seminars / Workshops/Training program Conducted		✓			

5	Technical symposia Conducted				✓	
6	Invited experts/lecturers details/ Eminent professor/ Scientist/Guest Details			✓		
7	Project work details		✓			
8	Publication details of students		✓			
9	Faculty Training Program					✓
10	Participation in Seminar/ conferences				✓	
11	Industrial visit/ NSS/ Participation in Annual sports meet					✓
12	Internal Assessment Details(Timetable and Marks)		✓			
13	Series Test Analysis	✓				
14	End Semester Details, Result Analysis and Rank Details	✓				
15	Student arrear details		✓			
16	Internship Training Details					✓
17	Syllabus Coverage Details	✓				
18	Lab Coverage	✓				
	$20 + 24 + 3 + 4 + 5 = 56/90 = 62.22$	4	6	1	2	5
	$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100$					
	Research Consultancy and Extension	A	B	C	D	E
1	National and International conferences organized					✓
2	Details of Patents Registered				✓	
3	Ongoing research projects details			✓		
4	Faculty h-index			✓		
5	Publication of faculty (Web of Science/Scopus/book chapters)	✓				
6	Members in editorial boards of National and International Journals			✓		
7	Research awards received by the faculty and students				✓	
8	Research Projects Completed and grants received				✓	
9	Consultancy services provided and funds received		✓			
10	Promotion of Industry Institution interaction and R&D			✓		
	$5 + 4 + 12 + 6 + 1 = 28/50 = 56$	1	1	4	3	1
	$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100$					
	Effective use of ICT	A	B	C	D	E
1	PPTs prepared by the faculty		✓			
2	Smart room usage Register	✓				
3	Industrial Tie Up Programmes					✓
4	Learning Materials provided			✓		
5	Other Interactive materials prepared/used, NPTEL Course content		✓			

	used					
	$5 + 8 + 3 + 1 = 17 / 25 = 68$	1	2	1	-	1
	$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Student Support and Progression	A	B	C	D	E
1	Mentorship Details			✓		
2	Question Bank		✓			
3	Placement Details					✓
4	Details of Alumni Interaction Program Conducted			✓		
5	Student Counseling Details		✓			
6	Student Membership details in IEEE,IET,ISTE,CSI and other professional Bodies					✓
	$8 + 6 + 2 = 16 / 30 = 53.33$	-	2	2	-	2
	$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100$					
	Governance and Leadership	A	B	C	D	E
1	Faculty Awards					✓
2	Industry Academic Collaboration				✓	
3	Faculty Registered for Ph.D, submitted Synopsis/Thesis, PhD Degree Awarded		✓			
4	Training program organized for Professional development of Teaching staff/non-teaching staff					✓
	$4 + 2 + 2 = 8 / 20 = 40$	-	1	-	1	2
	$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100$					

Letter grade	Weightage
A	5
B	4
C	3
D	2
E	1

Category wise percentage is calculated with the following formula

$$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100 \quad \text{eq. - 1}$$

$$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 2}$$

$$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100 \quad \text{eq. - 3}$$

$$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100 \quad \text{eq. - 4}$$

$$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 5}$$

$$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100 \quad \text{eq. - 6}$$

$$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100 \quad \text{eq. - 7}$$

C_a - number of times 'A' rating has obtained in that category

C_b - number of times 'B' rating has obtained in that category

C_c - number of times 'C' rating has obtained in that category

C_d - number of times 'D' rating has obtained in that category

C_e - number of times 'E' rating has obtained in that category

The department performance index (Absolute) P_a :-

$$88.167.26 + 72 + 124.44 + 112 + 68 + 53.33 + 40$$

$$(P_a = [(C_1 \times 2) + (C_2 \times 1) + (C_3 \times 2) + (C_4 \times 2) + (C_5 \times 1) + (C_6 \times 1) + (C_7 \times 1)] / 10) \quad 637.08/10$$

The department performance index (Relative) P_r :-

$$= 63.703$$

$$(P_r = P_a / \text{Max}(P_a)) \quad 94\%$$

Observations of the Academic Audit Committee Members

- Teaching Learning mechanism of the department is good.
- Research, consultancy and extension activities is there and need more attention.
- Governance and leadership qualities are very poor.

Overall Observations

Governance and leadership qualities of team members needs lot of improvement.
Research, Consultancy and Extension activities, Student Support & student progression are very unsatisfactory. P_a at 63.7% indicates all other aspects should be improved. P_r at 94% has no meaning.



Name & Signature

P.V. Samuel Blessed Nayanar

K.A. Janardhan

Name & Signature

Dr. K.A. Janardhanan

Name & Signature

Dr. A. Shaji Nargunan



Dr. H. Chandra Sekhar, B.E., Ph.D (IT-M),

Name & Signature

Noorul Islam Centre for Higher Education

Noorul Islam Centre for Higher Education

Academic Audit Evaluative Report

Academic Year 2016-2017

Département: MCA

Date of Audit: 31/8/17

	Description	Five Point Scale				
		A	B	C	D	E
	Curricular Aspects					
1	Lecture Plan	✓				
2	Lab Plan	✓				
3	Student Log Book			✓		
4	Incorporation of BOS Meeting Recommendations		✓			
5	New Electives introduced		✓			
6	Class Committee			✓		
7	Program Committee			✓		
8	Academic - Course Registration	✓				
9	Intramural - Course Registration		✓			
10	Extension Activities					✓
11	Lab Manuel		✓			
	$15 + 16 + 9 + 1 = 41 / 55 = 74.54$	3	4	3	-	1
	$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100$					
	Feedback	A	B	C	D	E
1	Student Feedback about Faculty			✓		
2	Feedback from Student Regarding curriculum			✓		
3	Feedback from Staff Regarding curriculum			✓		
4	Feedback from Alumni Regarding curriculum			✓		
5	Feedback from Experts (Academic/Industries) Regarding curriculum			✓		
		-	-	5	-	-
	$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Teaching Learning Process	A	B	C	D	E
1	Remedial Course Details			✓		
2	Slow Learners Details			✓		
3	Students Participation in Seminars, Conference, Symposium Details	✓				
4	Seminars / Workshops/Training program Conducted		✓			

5	Technical symposia Conducted		✓	.		
6	Invited experts/lecturers details/ Eminent professor/ Scientist/Guest Details					✓
7	Project work details		✓			
8	Publication details of students	✓				
9	Faculty Training Program					✓
10	Participation in Seminar/ conferences		✓			
11	Industrial visit/ NSS/ Participation in Annual sports meet			✓		
12	Internal Assessment Details(Timetable and Marks)				✓	
13	Series Test Analysis				✓	
14	End Semester Details, Result Analysis and Rank Details				✓	
15	Student arrear details				✓	
16	Internship Training Details				✓	
17	Syllabus Coverage Details				✓	
18	Lab Coverage		✓			
	$10 + 20 + 9 + 12 + 2 = 53/90 = 58.88$	2	5	3	6	2
	$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100$					
	Research Consultancy and Extension	A	B	C	D	E
1	National and International conferences organized				✓	
2	Details of Patents Registered			✓		
3	Ongoing research projects details			✓		
4	Faculty h-index			✓		
5	Publication of faculty (Web of Science/Scopus/book chapters)			✓		
6	Members in editorial boards of National and International Journals		✓			
7	Research awards received by the faculty and students			✓		
8	Research Projects Completed and grants received			✓		
9	Consultancy services provided and funds received			✓		
10	Promotion of Industry Institution interaction and R&D			✓		
	$4 + 24 + 2 = 30/50 = 60$	—	1	8	1	—
	$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100$					
	Effective use of ICT	A	B	C	D	E
1	PPTs prepared by the faculty		✓			
2	Smart room usage Register		✓			
3	Industrial Tie Up Programmes				✓	
4	Learning Materials provided				✓	
5	Other Interactive materials prepared/used, NPTEL Course content				✓	

	used					
	$8+9 = 17/25 = 68$	-	2	3	-	-
	$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Student Support and Progression	A	B	C	D	E
1	Mentorship Details			✓		
2	Question Bank			✓		
3	Placement Details			✓		
4	Details of Alumni Interaction Program Conducted			✓	✓	
5	Student Counseling Details			✓	✓	
6	Student Membership details in IEEE,IET,ISTE,CSI and other professional Bodies			✓	✓	
	$9+6 = 15/30 = 50$	-	3	3	3	-
	$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100$					
	Governance and Leadership	A	B	C	D	E
1	Faculty Awards					✓
2	Industry Academic Collaboration				✓	
3	Faculty Registered for Ph.D, submitted Synopsis/Thesis, PhD Degree Awarded			✓		
4	Training program organized for Professional development of Teaching staff/non-teaching staff					✓
	$3+2+2 = 7/20$	-	-	1	1	2
	$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100$					

Letter grade	Weightage
A	5
B	4
C	3
D	2
E	1

Category wise percentage is calculated with the following formula

$$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100 \quad \text{eq. - 1}$$

$$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 2}$$

$$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100 \quad \text{eq. - 3}$$

$$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100 \quad \text{eq. - 4}$$

$$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 5}$$

$$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100 \quad \text{eq. - 6}$$

$$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100 \quad \text{eq. - 7}$$

C_a - number of times 'A' rating has obtained in that category

C_b - number of times 'B' rating has obtained in that category

C_c - number of times 'C' rating has obtained in that category

C_d - number of times 'D' rating has obtained in that category

C_e - number of times 'E' rating has obtained in that category

The department performance index (Absolute) P_a :-

$$129.08 + 60 + 117.76 + 120 + 68 + 50 + 35$$

$$(P_a = [(C_1 \times 2) + (C_2 \times 1) + (C_3 \times 2) + (C_4 \times 2) + (C_5 \times 1) + (C_6 \times 1) + (C_7 \times 1)] / 10) \quad 599.84/10$$

The department performance index (Relative) P_r :-

$$= 59.984 \%$$

$$(P_r = P_a / \text{Max}(P_a)) \quad 88\%$$

Observations of the Academic Audit Committee Members

The performance on curricular aspect of the department is good.

The feedback mechanisms of the department need to be improved.

The teaching learning & Research of the department is good and need to be improved.

The department need more concentration on other activities also.

Overall Observations

Governance and leadership quality for team members is very poor. It is true of students support and students progression. P_a at 60% indicates all other aspects need lot of efforts from every team member.



Name & Signature

P.V. Samuel Blessed Noyyaram



Name & Signature

Dr. K.A. Janardhanan



Name & Signature

Dr. A. Shafi Narguman
Mishkhan

Name & Signature

Dr. N. Chandrashekar, B.E., Ph.D (IT-M),
Pro. Vice Chancellor
Noorul Islam Centre for Higher Education

Noorul Islam Centre for Higher Education

Academic Audit Evaluative Report

Academic Year 2016-2017

Department: *Mathematics*

Date of Audit: *23/8/17*

	Description	Five Point Scale				
		A	B	C	D	E
	Curricular Aspects					
1	Lecture Plan		✓			
2	Lab Plan		✓			
3	Student Log Book		✓			
4	Incorporation of BOS Meeting Recommendations		✓			
5	New Electives introduced	NA	✓			
6	Class Committee		✓			
7	Program Committee		✓			
8	Academic - Course Registration		✓			
9	Intramural - Course Registration	NA				
10	Extension Activities					✓
11	Lab Manuel	NA				
	$32 + 1 = 33 / 45 = 73.33$		8			1
	$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100$					
	Feedback	A	B	C	D	E
1	Student Feedback about Faculty		✓			
2	Feedback from Student Regarding curriculum		✓			
3	Feedback from Staff Regarding curriculum		✓			
4	Feedback from Alumni Regarding curriculum		✓			
5	Feedback from Experts (Academic/Industries) Regarding curriculum		✓			
	$20/25 = 80$	-	5	-	-	-
	$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Teaching Learning Process	A	B	C	D	E
1	Remedial Course Details			✓		
2	Slow Learners Details			✓		
3	Students Participation in Seminars, Conference, Symposium Details		✓			
4	Seminars / Workshops/Training program Conducted			✓		

5	Technical symposia Conducted				✓	
6	Invited experts/lecturers details/ Eminent professor/ Scientist/Guest Details				✓	
7	Project work details		✓			
8	Publication details of students		✓			
9	Faculty Training Program			✓		
10	Participation in Seminar/ conferences		✓			
11	Industrial visit/ NSS/ Participation in Annual sports meet				✓	
12	Internal Assessment Details(Timetable and Marks)	✓				
13	Series Test Analysis	✓				
14	End Semester Details, Result Analysis and Rank Details	✓				
15	Student arrear details		✓			
16	Internship Training Details					✓
17	Syllabus Coverage Details		✓			
18	Lab Coverage	NA.				
	$15 + 24 + 12 + 6 + 1 = 58/85 = 68.23$	3	6	4	3	1
	$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100$					
	Research Consultancy and Extension	A	B	C	D	E
1	National and International conferences organized					✓
2	Details of Patents Registered					✓
3	Ongoing research projects details		✓			
4	Faculty h-index			✓		
5	Publication of faculty (Web of Science/Scopus/book chapters)	✓				
6	Members in editorial boards of National and International Journals			✓		
7	Research awards received by the faculty and students			✓	✓	
8	Research Projects Completed and grants received		✓		✓	✓
9	Consultancy services provided and funds received			✓		✓
10	Promotion of Industry Institution interaction and R&D					✓
	$5 + 4 + 6 + 4 + 4 = 23/50 = 46$	1	12	2	2	4
	$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100$					
	Effective use of ICT	A	B	C	D	E
1	PPTs prepared by the faculty		✓			
2	Smart room usage Register		✓			
3	Industrial Tie Up Programmes					✓
4	Learning Materials provided			✓		
5	Other Interactive materials prepared/used, NPTEL Course content			✓		

	used					
	$8 + 6 + 1 = 15 / 25 = 60$	-	2	2	-	1
	$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100$					
	Student Support and Progression	A	B	C	D	E
1	Mentorship Details		✓			
2	Question Bank		✓			
3	Placement Details		✓			
4	Details of Alumni Interaction Program Conducted		✓			
5	Student Counseling Details				✓	
6	Student Membership details in IEEE,IET,ISTE,CSI and other professional Bodies					✓
	$16 + 2 + 1 = 19 / 30 = 63.33$	-	4	-	1	1
	$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100$					
	Governance and Leadership	A	B	C	D	E
1	Faculty Awards					✓
2	Industry Academic Collaboration					✓
3	Faculty Registered for Ph.D, submitted Synopsis/Thesis, PhD Degree Awarded		✓			
4	Training program organized for Professional development of Teaching staff/non-teaching staff				✓	
	$4 + 2 + 2 = 8 / 20 = 40$	-	1	-	1	2
	$C_7 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 20 \times 100$					

Letter grade	Weightage
A	5
B	4
C	3
D	2
E	1

Category wise percentage is calculated with the following formula

$$C_1 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 55 \times 100 \quad \text{eq. - 1}$$

$$C_2 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 2}$$

$$C_3 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 90 \times 100 \quad \text{eq. - 3}$$

$$C_4 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 50 \times 100 \quad \text{eq. - 4}$$

$$C_5 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 25 \times 100 \quad \text{eq. - 5}$$

$$C_6 = (C_a \times 5 + C_b \times 4 + C_c \times 3 + C_d \times 2 + C_e \times 1) / 30 \times 100 \quad \text{eq. - 6}$$

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C_a - number of times 'A' rating has obtained in that category

C_b - number of times 'B' rating has obtained in that category

C_c - number of times 'C' rating has obtained in that category

C_d - number of times 'D' rating has obtained in that category

C_e - number of times 'E' rating has obtained in that category

The department performance index (Absolute) P_a :-

$$146.66 + 80 + 136.46 + 92 + 60 + 63.33 + 40 / 10$$

$$(P_a = [(C_1 \times 2) + (C_2 \times 1) + (C_3 \times 2) + (C_4 \times 2) + (C_5 \times 1) + (C_6 \times 1) + (C_7 \times 1)] / 10)$$

The department performance index (Relative) P_r :- $618.45/10 = 61.84$

$$(P_r = P_a / \text{Max}(P_a)) \quad 91\%$$

Observations of the Academic Audit Committee Members

- Curricular aspects are good.
- Teaching learning process need improvement.
- feedback from student, staff, also good.
- Research and extension activities of the department need to be improved.

Overall Observations

Governance, leadership qualities, support to students, students progression, research, consultancy and extension activities are lacking. P_a at 61.84% indicates all other aspects need huge efforts from each team member. P_r at 91% has no meaning.



Name & Signature

P. V. Samuel Blessed Weyagam,

K. A. Janardhanan

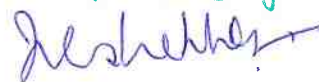
Name & Signature

Dr. K. A. Janardhanan



Name & Signature

Dr. A. Shajis Nargunan



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