

GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA

Proceeding of IQAC Meeting held on 19.06.2021 at 10.00 AM in blended mode (Offline + Online) at Guru Nanak Dev Engineering College, Ludhiana

Following members were present:

1. Prof. Sehijpal Singh, Principal, GNDEC	Chairperson
2. Prof. Parminder Singh, HoD (CSE), GNDEC	Member
3. Dr. Kiran Jyoti, Assistant Professor (IT), GNDEC	Member
4. Prof. Akshay Girdhar, Dean Academics, GNDEC	Member
5. Dr. K D Singh, HoD (EE), GNDEC	Member
6. Prof. S B Singh, Ex. Principal GNDEC	Member
7. Dr. Inderpreet Kaur, Assistant Professor (CE), GNDEC	Member
8. Sh. Vishal Marria, Parent	Member
9. Sh. Harpreet Khattar, MD, Harkash Tech. Pvt. Ltd.	Member
10. Prof. Sandeep Grover, Dean (Institutions), YMCA Faridabad	Member
11. Prof. Inderpreet Kaur, Professor (EE), DBU	Member
12. Prof. Jagbir Singh, Professor (CE), GNDEC	Coordinator

1. Confirmation of minutes of previous meeting held on 08/02/20

Emphasis was laid on preparation of comprehensive marketing plan including budget etc. for the core branches, which could not be taken up earlier. Other efforts to improve the visibility of the institute like organising bike marches, cricket matches etc. were lauded. No other comments were received, as such minutes of meeting stands confirmed.

2. Action taken report regarding previous meeting held on 08/02/20

Noted. Regarding agenda item number 5 (IPR & MoU), it was suggested that a comparison shall be made with contemporary institutes to see where we stand. A committee was suggested to be formed to look into collaboration possibilities with other State/National institutes and bodies.

Regarding agenda item number 11(d) (improving the visibility), it was emphasized that we need to take more initiatives regarding social responsibility of the institute in terms of:

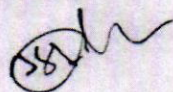
- Solving local area problems
- Providing technical help to government bodies and schools
- Cleaning and improving the local environment

3. Activities since last meeting (08/02/20)

Noted.

- i(b) It was observed that result of B.Tech. (first year) was lagging in comparison to senior batches for which a suggestion was made to appoint Adjunct Faculty in the field of Basic Science Courses, namely Mathematics & Chemistry.
- ii) It was suggested that the given information regarding number of training courses/conferences attended by teachers shall be elaborated to indicate how many went to other institutes. It was stressed to encourage teachers to attend more training courses/conferences at other institutes of repute to help get exposure.

4. Grants approved/received



It was suggested to include data regarding 'Number of Applications Filed' for getting research and other grants so that success rate can be gauged. Also, it was suggested to widen the ambit of applications and teachers so that the number doesn't remain constrained only to few people and becomes more representative.

5. Performance of students in GATE-2020

Efforts of students and teachers were applauded but emphasis was laid on encouraging the students and making still more efforts to improve the numbers.

6. Status of NAAC and NBA accreditation

Noted. It was emphasized to prepare well for the upcoming NAAC peer team visit by preparing the documents & justifications and updating the website.

7. NIRF Ranking

The efforts made to get the institute ranked in NIRF 2020 were applauded.

8. Re-introduction of 6-month industrial training (choice based)

Various options like in-house training, getting a trainer from industry etc. were discussed, and stress was laid on encouraging the students to go for training at industry/places that offer internship so that the quality of training can be improved.

A suggestion was made to tie up with NASSCOM so that CSE/IT students can get benefit of getting trained on live projects. Prof. Inderpreet (DBU) offered to help by linking the requirements she gets from the industry.

9. Preparation for Admissions 2021

Various strategies were discussed in detail by considering their pros and cons. Efforts being made towards Admission 2021 were given by the Principal and it was felt that admissions will improve. It was suggested that regular surveys shall be conducted with help from the Alumni, Industry and Students to fill the gaps between Supply and Demand expectations.

10. Strengthening of IQAC

It was suggested to adopt following strategies:

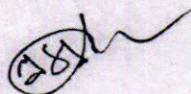
- IQAC shall be made the nodal point for discussing and adopting all quality initiatives in the institute.
- An annual review of each department/section shall be done to understand their aspirations and achievements. A standard template may be provided to the departments/sections to help them make presentations.

11. Any other item

No item

The meeting ended with vote of thanks.

Sd/
Coordinator



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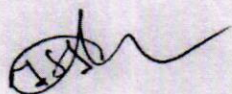
GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA

IQAC MEETING

DATE : 19/06/21 (SATURDAY)
MODE : BLENDED (OFFLINE + ONLINE)
TIME : 10:00 AM
VENUE : COMMITTEE ROOM, GNDEC, LUDHIANA

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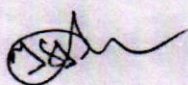
Agenda for IQAC meeting to be held on 19/06/21

1. Confirmation of minutes of previous meeting held on 08/02/20

The Proceedings of the meeting held on 08/02/20 are placed at **Annexure-A**. Since no comments were received regarding these, they may be confirmed.

2. Action taken report regarding previous meeting held on 08/02/20

Item No.	Description	Action taken/Current status
1	Confirmation of minutes of meeting held on 25/10/19	Noted
2	Action taken report of minutes of meeting held on 25/10/19	Noted
3	Appraisal of College Administrative Audit done on 30/10/19	<ul style="list-style-type: none">• Academic Section: Process has started to maintain demand ratio of different courses. Shall be implemented from this year• COE: All gazettes are uploaded and are available online. Process has started to prepare consolidated examination manual.• Accounts Section: Budget allocation under different heads is already there, although these do not match exactly with the suggested heads like research, green initiatives etc. Suggestion noted.• T & P: Initiative has been taken to tap Alumni for getting openings in core companies.• Library: Regular meetings have been organised by the Librarian with faculty to make them aware about available e-resources.• Alumni Affairs: Noted• IQAC: Some of the suggestions like display of AQAR, participation in NIRF etc. have already been implemented• Testing & Consultancy Cell: Through various initiatives the consultancy revenue has improved.• Establishment Branch: Noted
4	Green Audit of College	Quality and content of pictures has been improved in the Green Audit Report.
5	Activities under IPR	<ul style="list-style-type: none">• College has filed 3 patent applications• 1 design registration is in process (will be filed shortly)• 5 more patent applications are in pipeline (in literature/patent search process) which have participation from students as well as faculty• IPR cell is regularly organising webinars for promoting awareness among students and faculty regarding IPR activities and to motivate them to generate ideas• MoU has been signed between the college and an IP agency in order to strengthen the IPR cell and to get desired assistance related to filing of IP's
6	Detail of AICTE Research Schemes and other research proposal applied during years 2018- 19 and 2019-20 (Total 13 No.)	Noted



(1)

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7	Prominent Activities carried out under TEQIP-III	Different sessions have been conducted by the sponsored faculty to inform the students about latest developments in: <ul style="list-style-type: none"> • Robotics and Automation • Data Science and Analytics • Block Chain Technologies • Security Techniques
8	NIRF Ranking 2020	The institute was ranked between the range of 251 and 300 in NIRF 2020 ranking.
9	Placement/Training data as on today	Noted
10	IQAC Report for year 2014-15	The AQAR for 2014-15 has already been submitted in online format
11 (a)	Super computers/latest technology equipment should be procured	Noted
11 (b)	Action Taken report of NAAC previous team visit be put up in ensuring meeting of BOG for information	Proceedings of IQAC meeting held on 25/10/19 ratified with certain suggestions.
11 (c)	In smart cities (like Ludhiana) there are 18 types of job opportunities related to Engg. Field. Mr. Harpreet Khattar has shown his willingness to guide students about same. TPO be advised to come in touch with him.	Training and Placement Cell conducted a seminar through Mr. Harpreet Khattar regarding 'Job Opportunity for Engineering Students'.
11 (d)	To increase the popularity of college, more activities under the flag of Marathon and Bike Ride, Book Launch should be conducted	Many activities like bike marches, cricket matches etc. have been organised.
11 (e)	To increase the popularity and revenue of college, college should provide space for conduct of exhibitions	Noted
11 (f)	Need for improvement in communication skills from day -1. Faculty who visits external places/industries/institution should suggest salient points/good practices and bench marking points to be adopted in the college wherever possible	Action being taken

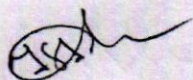
3. Activities since last meeting (08/02/20)

i. Academic

- For Admissions 2020, branch wise analysis of demand ratio is placed at **Annexure-B** for information of the members.
- For ESE, June 2020, result analysis is placed at **Annexure-C** for information of the members.
- ESE, Dec 2020 (Result analysis)
- For Placements 2020, the Status and Analysis is placed at **Annexure-D** for information of the members.

ii. Others (Summary of items from S.No. 'a' to 'c' is placed at **Annexure-E** for information of the members)

- Publications
- STC/Conferences conducted



(2)

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- c) STC/Conferences attended
- d) Sports meet and Cultural fest 2020

4. Grants approved/received

Summary is placed at Annexure-F for information of the members.

5. Performance of students in GATE-2020

Summary is placed at Annexure-G for information of the members.

6. Status of NAAC and NBA accreditation

- The institute has already applied for NAAC accreditation, and peer team visit is scheduled from 08/07/21 to 09/07/21.
- The institute has decided to apply for NBA accreditation for two programs (B.Tech-Civil Engg. & B.Tech.-Mechanical Engg.). Prequalification stage is already clear and Self-Assessment Report (SAR) is currently being completed.

7. NIRF Ranking

a. NIRF 2020

The institute was ranked between the range of 251 and 300 in NIRF 2020 ranking.

b. NIRF 2021

The institute has applied for the NIRF 2021. Result is awaited.

8. Re-introduction of 6-month industrial training (choice based)

The practice of having one semester industrial training (for B.Tech. programs) that was discontinued earlier has again been reintroduced with an option for the students to decide if they wish to go for it or prefer to have one semester classroom study. The schemes have been modified accordingly.

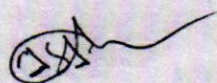
9. Preparation for Admissions 2021

Admission process of for the new session (2021-22) has been initiated with formation of specific team under the leadership of one senior professor. Various other initiatives have also been taken like contacting the schools, prospective candidates etc. The members may discuss the issue and suggest methodologies to help improve admissions.

10. Strengthening of IQAC

Although the cell is active since 2018, it needs to be strengthened to help improve the overall quality of education. The members may suggest various means considering the practice followed at other places or from their own experience and wisdom to improve its contribution.

11. Any other items (with the permission of the chair)



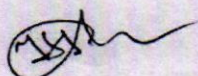
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ANNEXURE - (A)

Proceeding of IQAC Meeting held on 08.02.2020 at 12.30 PM in Committee Room of Guru Nanak Dev Engineering College, Ludhiana

- 1 **Confirmation of minutes of meeting held on 25.10.2019**
Since no comments have been received, as such minutes stands confirmed
- 2 **Action taken report of minutes of meeting held on 25.10.2019**
Noted. The matter of admission in B.Tech. Production Engg as well as other UG and PG courses were deliberated at length. In the light of AICTE guidelines, a committee is constituted of following 1. Dean (Academics) 2. AR(Academics). Concerned HOD to look into the modalities of course nomenclature for year 2020-21. This process must be completed by 20.02.2020. Marketing plan be prepared and apprised to stakeholders specially about core branches regarding admission and their importance.
- 3 **Appraisal of College Administrative Audit**
Efforts were applauded. This practice should be continued in future.
4. **Green Audit of College**
To improve the quality of pictures, team from Photography Club should be involved.
5. **Activities under IPR**
Dr. Inderpreet Kaur emphasized that college should file more patents. Awareness should be created among students about patent filing and they should be encouraged to file patents. Hand holding with industry should be promoted to increase the patent filing.
The IPR cell must be more strengthened by involving faculty participation as well number of activities.
6. **Detail of AICTE Research Schemes and other research proposal applied during years 2018-19 and 2019-20:-**
Applauded the efforts of faculty.
- 7 **Prominent Activities carried out under TEQIP-III**
Noted. The faculty who are being sponsored under TEQIP-III, they will aware the students about new things learnt by them, so that they can compete in the real world.
- 8 **NIRF Ranking 2020**
Dr. Sandeep Gover explained the different criteria of NIRF Ranking. The perception criterion of college needs to be strengthened.
9. **Placement/Training data as on today**
Noted and appreciated.




10 **IQAC Report for year 2014-15**

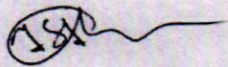
The report must be submitted by 20.02.2020

11 **Any other item**

- a) Sh. Vishal Marria emphasized that super computers/latest technology equipment should be procured
- b) Dr. Sandeep Grover suggested that Action Taken report of NAAC previous team visit be put up in ensuring meeting of BOG for information
- c) Mr. Harpreet Khattar informed that in smart cities (like Ludhiana) there are 18 types of job opportunities related to Engg. field. He has shown his willingness to guide students about same. TPO be advised to come in touch with him.
- d) To increase the popularity of college, more activities under the flag of Marathon and Bike Ride, Book Launch should be conducted.
- e) To increase the popularity and revenue of college, college should provide space for conduct of exhibitions, as with this the students of college will increase their knowledge as well as they will get more opportunities of employability.
- f) Sh. K.S. Dhodv emphasized on the improvement in communication skills from day -1. He further suggested that the faculty who so ever visit external places/industries/institution should suggest salient points/good practices and bench marking points to be adopted in the college wherever possible.

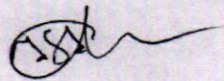
The meeting ended with vote of thanks


Coordinator



Annexure-B

Admission Data (2020) Last Date of Admission 31.12.2020				
S. No.	Programme Name	No. of Sanctioned Seats	No. of Students Admitted (Excluding FWS and O&A)	% Seats Filled
1	B.Tech. (CE)	120	90	75
2	B.Tech. (CSE)	150	150	100
3	B.Tech. (EE)	90	63	70
4	B.Tech. (ECE)	90	86	96
5	B.Tech. (IT)	120	120	100
6	B.Tech. (ME)	180	92	51
7	B.Tech. Mechanical (Production Engineering)	45	4	9
	Total	795	605	76
8	B.Tech.-Latera Entry (CE)	18	18	100
9	B.Tech.-Latera Entry (CSE)	9	9	100
10	B.Tech.-Latera Entry (EE)	6	6	100
11	B.Tech.-Latera Entry (ECE)	9	9	100
12	B.Tech.-Latera Entry (IT)	9	5	56
13	B.Tech.-Latera Entry (ME)	12	12	100
14	B.Tech.-Latera Entry Mechanical (Production Engineering)	18	18	100
	Total	81	77	95
15	BCA	30	30	100
16	MCA	30	11	37
17	MBA	60	24	40
	Total	120	65	54
18	M.Tech. [CSE]	18	7	39
19	M.Tech. [CS & IT]	18	7	39
20	M.Tech. [ECE]	18	5	28
21	M.Tech. [EVS]	18	3	17
22	M.Tech. [GE]	18	3	17
23	M.Tech. [ME]	18	2	11
24	M.Tech. [POE]	18	6	33
25	M.Tech. [PE]	18	0	0
26	M.Tech. [SE]	25	13	52
	Total	169	46	27



Annexure-C

End Semester Examination, May 2020 Result Analysis					
S.No.	Program Name	Full Time / Part Time	Semester	Number of Students appeared	Number of Students Passed
1	B.Tech. (CE)		8	199	198
			6	208	194
			4	172	164
			2	128	114
2	B.Tech. (CSE)		8	170	170
			6	172	164
			4	161	156
			2	155	152
3	B.Tech. (EE)		8	107	105
			6	101	98
			4	95	86
			2	85	68
4	B.Tech. (ECE)		8	106	106
			6	90	81
			4	88	84
			2	87	76
5	B.Tech. (IT)		8	105	105
			6	101	100
			4	98	95
			2	120	114
6	B.Tech. (ME)		8	197	197
			6	199	195
			4	188	171
			2	170	138
7	B.Tech. (PE)		8	50	48
			6	18	17
			4	14	12
			2	3	1
8	MBA		4	43	43
			2	39	37
9	MCA		6	12	12
			4	17	17
			2	39	37
10	M.Tech. (Strl. Engg.)	FT	2	22	22
11	M.Tech. (Geotech. Engg.)	FT	2	14	14
12	M.Tech. (Env. Sci.)	FT	2	3	3
13	M.Tech. (CSE)	FT	2	6	6
14	M.Tech. (Power Engg.)	FT	2	6	6
15	M.Tech. (ECE)	FT	2	6	6
16	M.Tech. (IT)	FT	2	4	4
17	M.Tech. (ME)	FT	2	5	5

[Signature]

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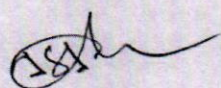
S.No.	Program Name	Full Time / Part Time	Semester	Number of Students appeared	Number of Students Passed
18	M.Tech. (PE)	FT	2	3	3
19	M.Tech. (SMFE)	PT	4	5	5
			2	3	3
20	M.Tech. (EE)	PT	4	2	2
			2	5	5
21	M.Tech. (ECE)	PT	4	3	3
22	M.Tech. (Indl. Engg.)	PT	4	3	3
23	M.Tech. (PE)	PT	4	5	5
			2	2	2

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Annexure-D

Placement details for the year 2020

S. No.	Program	No of students placed through Campus Placement	Pay Package (lakh Rs. pa)	
			Minimum	Maximum
1	B.Tech (Civil Engineering)	21	3.00	10.00
2	B.Tech (Computer Science Engineering)	126	1.80	12.00
3	B.Tech (Electrical Engineering)	12	1.44	4.50
4	B.Tech (Electronics & Communication Engineering)	36	3.60	12.00
5	B.Tech (Information Technology)	67	2.16	10.00
6	B.Tech (Mechanical Engineering)	48	1.68	10.00
7	B.Tech (Production Engineering)	1	-	4.50
8	Masters of Business Administration	1	-	5.50
9	Masters of Computer Applicatons	1	-	4.50
	TOTAL	313	1.44	12.00



Annexure-E

Summary of Publication & Courses/Conferences conducted or attended

S. No.	Department	Publications		STC/Conf. Conducted	STC/Conf. Attended	
		Journal	Conf.		No. of Teachers	No. of Programs
1	Applied Science	6	1	-	8	189
2	Civil Engineering	11	19	2	28	159
3	Computer Science Engineering	8	10	2	16	74
4	Electrical Engineering	4	10	5	16	108
5	Electronics & communication Engineering	5	5	1	15	108
6	Information Technology	7	1	7	14	50
7	Mechanical Engineering	49	2	3	25	86
8	Production Engineering	8	-	-	6	26
9	Business Administration	1	-	3	3	21
10	Computer Applicatons	2	-	-	2	5
11	GNDEC			1		
	TOTAL	101	48	24	133	826

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Annexure-F

1) Research Grants

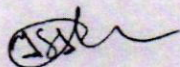
S. No.	Name of PI	Funding Agency	Grant amount (Rs)	Duration
1	Dr. Harwinder Singh	Skill & Personality Development Centre, AICTE	6,22,916	3 years
2	Dr. Harwinder Singh	AICTE (MODROB)	9,50,000	2 years
3	Dr. Harwinder Singh	AICTE (RPS)	17,63,343	3 years
4	Dr. P S Bilga	German Dev. Corp.	7,92,960	2 years

2) Grants for GIAN/STTP/FDP/Conference

1	Dr. Navdeep Kaur	AICTE under AQIS (FDP)	4,50,133	2 weeks
2	Dr. Kiran Jyoti	AICTE under AQIS (STTP)	2,58,333	1 week
3	Dr. Amit Kamra	AICTE and ATAL (FDP)	93,000	1 week
4	Dr. Akshay Girdhar	AICTE (Conference)	86,667	2 days
5	Dr. Akshay Girdhar & Dr. Amit Kamra	AICTE (FDP)	3,00,000	1 week
6	Dr. Sehijpal Singh	MHRD under GIAN Program	5,68,000	5 days
7	Dr. Jagbir Singh	MHRD under GIAN Program	5,68,000	5 days

3) Seed Money for PhD

1	Lakhvir Singh Khana	GNDEC	10,702	1 year
2	Gulvir Singh	GNDEC	49,560	1 year



Annexure-G

Detail of students who appeared and qualified for GATE 2020

S. No.	Department	No. of students appeared in GATE 2020	No. of students qualified GATE 2020	Success %
1	Civil Engg.	80	23	29
2	Computer Science Engg.	63	15	24
3	Electrical Engg.	67	5	7
4	Electronics & Communication Engg.	53	3	6
5	Information Technology	29	0	0
6	Mechanical Engg.	81	2	2
7	Production Engg.	12	2	17
	TOTAL	385	50	13

