

2021-22

Guru Gobind Singh Foundation's Guru Gobind Singh College of Engineering and Research Centre, Nashik

NAAC - IQAC

Report No: GCOERC/COMP/2021-22/AAA

Date: 27/08/2022

ACADEMIC AND ADMINISTRATIVE AUDIT

DEPARTMENT OF : Computer Engineering

2021-22

(Provide information for the A. Y. 2021-22 ONLY)

1. **Name of the Department:** Computer Engineering
2. **Year of establishment:** 2019
3. **Programme offered:** UG, PG, Ph.D. etc.

Year	UG	PG	Ph.D.
2019			

4. Number of Certificate / Diploma Courses introduced during the academic year

Name of the Certificate Course	Name of the Diploma Courses	Date of introduction and duration	Focus on employability/ entrepreneurship	Skill development	No of students enrolled	
					Cert	Dip.
Blue Prism		June 2021	Both		150	
AWS Cloud Foundation		June 2021	Both		74	
AWS Solution Architect		June 2021	Both		63	
AWS Virtual Internship		June 2021	Both		63	
CCNA-1		June 2021	Both		119	
CCNA-2		June 2021	Both		53	
Cyber Security		June 2021	Both		44	
Python for All		June 2021	Both		85	

5. Number of New Programmes / Courses introduced during A.Y. 2021-22: Nil

6. If yes please provide list:

Programme	Programme Code	Ref of BoS meeting
Nil	Nil	Nil

Course	Course Code	Year of study	Ref of BoS meeting
NA	NA	NA	NA

7. Programme Academic (Annual/ Semester): Semester Pattern

8. Examination System (Choice Based Credit System/ Credit and Grading system/ any other system): Credit and Grading system

9. No of electives included in the curriculum: 38

10. No of teachers Participation in the curriculum development and development of curriculum for Add on courses: Nil

11. Does the department have syllabus copies for the Programme offered and New courses introduced (YES / NO): Yes (for all years)

12. Number of teaching posts sanctioned, filled and vacant.

Designation	Sanctioned	Appointed	Vacant
Professor		0	
Associate Professor		0	
Assistant Professor		8	
Total		8	

13. Faculty profile with name, qualification, designation, experience, nature of appointment (confirmed/ probation/temporary):

Name	Designation	Qualifications	Teaching/Research Experience	Nature of appointment
Mr. S. G. Shukla	Head of Department	M. Tech.	14.6 Yrs	Permanent
Ms. C. D. Patil	Assistant Professor	M.E.	18 Yrs	Permanent
Ms. P. K. Bachhav	Assistant Professor	M.E.	11 Yrs	Permanent
Mr.G.L.Patil	Assistant Professor	M. Tech.	13 Yrs	Permanent

Mr. P. C. Patil	Assistant Professor	M.E.	13 Yrs	Permanent
Mr. V. K. Wani	Assistant Professor	M. Tech.	14 Yrs	Permanent
Mr. P. R. Pachorkar	Assistant Professor	M.E.	13 Yrs	Permanent
Mr. P. R. Kulkarni	Assistant Professor	M.Tech	10 Yrs	Permanent

14. No of Visiting Fellows/Teachers, Adjunct and Emeritus Professors, during A.Y. 2018-19 (Provide list indicating details of name, qualification and experience).

NIL

15. Percentage of classes taken by temporary/visiting faculty:

Not Applicable

16. Student Teacher Ratio:

No of students (as per intake):

No of teachers:

Student Teacher Ratio:

17. Number of academic support staff (technical) and administrative staff sanctioned, filled and vacant:

Sr. No.	Posts	No of Sanctioned Posts	No of Appointment	Vacant
1	Laboratory Assistant	03	03	00
2	Clerk (office)	NA	NA	NA
3	Peon	NA	NA	NA

18. Information about research grants, projects completed and ongoing during the period of last 4 years

a) From National funding agencies (like UGC, CSIR, DST, DBT etc):

Sr. No.	Name of the Principle Investigator (Co-investigator)	Title of the Project	Funding Agency, Duration & date of sanction	Amount (in Lakh)	Remark (if any)
Nil					

b) From International funding agencies (if any): NIL

Sr. No.	Name of the Principle Investigator (Co-investigator)	Title of the Project	Funding Agency, Duration & date of sanction	Amount (In Lacs)	Remarks If any
Nil					

19. Research facilities available in the department: Nil

20. Research center recognition received? (Yes / No): No

21. Publications:

Name of teacher	Title of the Paper	Journal Name, Issue, Vol, Year	ISSN	Web-link
Mr.P.C.Patil	Smart Polyhouse Controlling using AI	International Journal of Innovative Research in Technology	2349-6002	https://ijirt.org/master/publishedpaper/IJIRT153361 PAPER.pdf
Mr.Pravin Pachorkar	Smart Polyhouse Controlling using AI	International Journal of Innovative Research in Technology	2349-6002	https://ijirt.org/master/publishedpaper/IJIRT153361 PAPER.pdf
Mr.Vipin Wani	Smart Polyhouse Controlling using AI	International Journal of Innovative Research in Technology	2349-6002	https://ijirt.org/master/publishedpaper/IJIRT153361 PAPER.pdf
Mr.Surbhi Pagar	Smart Polyhouse Controlling using AI	International Journal of Innovative Research in Technology	2349-6002	https://ijirt.org/master/publishedpaper/IJIRT153361 PAPER.pdf

Name of teacher	Title of the Book / Book Chapter	Publisher	ISSN/ISBN	Web-link
Nil				

22. Details of patents Applied / Granted during AY: Nil

23. Consultancy services provided, name of the teacher/s and income generated:

Sr. No.	Year	Name of the teacher	Nature of consultancy	Funds generated (In Lakh)
Nil				

24. Details of teachers invited as resource persons for Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels, Expert lectures etc.

Sr. No.	Date	Name of the teacher	Details Program/WS/Seminar etc.	No of students benefitted
Nil				

25. Details of teachers participated in Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels.(participant, presented paper, chaired the session)

Sr. No.	Date (from-to)	Name of the teacher	Details
NIL			

26. Participation of teachers in various academic activities as members of committees at University level, State level, National level, International level bodies. (give details)

Sr. No.	Date (from-to)	Name of the teacher	Details
NIL			

27. No of teachers appointed/nominated on Editorial Boards / Reviewer for Peer reviewed journal at university, state, national and international levels. : NIL

28. No of Awards / Prizes and recognitions received by teachers at university, state, national and international level : NIL

29. Awards and Prizes received by students at university, state, national and international level : NIL

30. Student profile programme-wise at UG and PG

Programme UG/PG	Applications Received	No. of students Admitted	Seats Available	Male	Female	Total	Year

31. Year-wise results of final year students at UG and PG:

Year	Programme UG/PG	Appeared	Passed	Pass %

32. Number of students cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give Category wise data.

Year	MPSC/UPSC	NET/ SET	GATE	Other Exams	Total

33. Student progression/ placement record: Number/ percentage of students proceeded for higher studies Number/percentage of students placed:

Year	% students progression for higher studies		% of students placed
	UG to PG	PG to Ph.D.	
		Not Applicable	

34. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. / D.Lit.:

35. Present details of departmental infrastructural & other facilities with regard to

- a. Central Library Books and Journals, etc, relevant to Department :
- b. Departmental Library (books, journals etc.) :
- c. Computers and Internet facilities for staff : 02
- d. Total number of class rooms :
- e. Class rooms with ICT facility :
- f. Students' laboratory :
- g. Research laboratories :
- h. Seminar Hall :
- i. Smart class room :
- j. Any other facility like LCDs, WiFi, LAN, LCS, :

36. Curricular Aspects: (answer Yes/No)

- a) Does the faculty take initiative in curriculum development process? -
- b) Does the department offer program with sufficient no. of electives options. -
- c) Curriculum feedback taken from stakeholder's viz. Students/Alumni /Parents/Employers considered? -
- d) What is the frequency of curriculum revision? (3/4/5 years or more):

37. Teaching-Learning, Evaluation.

- a) Department adhere to Academic Plan? What is the % compliance –
- b) What is the percentage teachers using ICT mode for teaching and learning:
- c) Does the Department have Peer review processes? If yes, are the suggestions effectively used to improve the teaching quality? -
- d) Does the department have any mechanism to ensure that syllabus is covered? -
- e) SEE and CIE is effectively implemented (represent one example)? -

Teacher Performance:

- a) Is there any student feedback process exist? -
- b) Are the feedback reports analyzed? -
- c) Does feedback communicated to teachers? -
- d) Whether suggestion boxes are kept in the department to get suggestions from students on facilities available at department? –

38. List the distinguished alumni of the department

39. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

No of programmes organized:

No of students benefitted:

Note: Verify for Program report, attendance and geo-tagged photograph

40. Does the department ensure that programme objectives are constantly met and learning outcomes are monitored? -

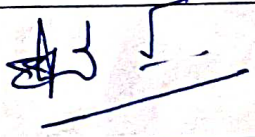


41. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

- a. Strengths:
- b. Weaknesses:
- c. Opportunities:
- d. Challenges:

AAA
2021-22

Academic Audit Suggestions (COE):

- Department may establish the OBE system requirements as it is beneficial for future NBA accreditation
- SFR should be improved
- Department should have at least 01 Professor or Associate Professor
- Cadre ratio shall be improved
- Placement activity shall be accelerated.
- Project lab shall be established
- Use of ICT shall be enhanced further
- Statements of CO to be redrafted considering the higher order of blooms taxonomy
- Separate CO statements for laboratory are to be defined and CO-PO mapping to be done to ensure maximum PO coverage through curriculum
- More number of indirect assessment tools shall be used for assessment of academics and PO attainment
- Peered publication shall be improved
- Consultancy and research activities to be enhanced further
- Publication of technical magazine by the department shall be initiated
- More number of students professional chapter can be established
- MoU with IT industries shall be improved
- Visiting faculty can be appointed for any course of the curriculum

Sr. No	Name of Committee Member	Designation	Signature
1	Dr. S. V. Gumaste	Academic Expert Professor MET's Institute of Engineering, Nashik	
2	Dr. D. V. Patil	Academic Expert Professor R. H. Sapat College of Engineering, Nashik	
3	Dr. S. D. Kalpande	Professor and Academic Dean, Guru Gobind Singh College of Engineering and Research Centre, Nashik	
4	Mr. S. G. Shukla	Asst. Professor and Head Department of Computer Engineering, Guru Gobind Singh College of Engineering and Research Centre, Nashik	