Prasad V Potluri Siddhartha Institute of Technology

(Autonomous, Accredited with NAAC A⁺ Grade)
An ISO 9001:2015 Certified Institute, Permanently Affiliated to JNTUK, KAKINADA
(Kanuru, Vijayawada-520007)

Internal Academic Audit Report
2021-22

1. Name of Department : Civil Engineering

2. No. of full time permanent faculty : 13

3. No. of PG / UG courses : 0/1

4. Curriculum Revisions Information : UG
   New courses: 30
   Modified courses: 36.63%

5. Research : Ph.D Theses submitted: 0   awarded: 1

   Faculty guiding/ guided Ph.Ds : 2/-
   Publications in Jrs : SCI/SCIE: 2   Scopus: 3   Others: 5   Total: 10
   Publications in Conferences : 8 (Scopus: 6)

6. Sponsored projects : Amount: 2.05lakhs
   Ongoing: 1   Completed: 0

7. Consultancy Amount earned : Rs 5,12,572/-

8. Start-ups& Entrepreneurship : 0

9. Incubation centers

   Established : 0

   Status of incubation : 0

10. Patents : Filed: 0   Published: 0   Granted: 0

11. Innovations: 0

Awards from outside platforms (reputed Institutions only): **8**

12. Books/ Book chapters

(with ISBN/ISSN only are considered) : 1

13. e-Content developed:

Lectures added to Web-resources : All Faculty

14. Placements: **No:** 27students got 36 offers   **Percentage:** 40.91% for 66 IV Year students

     Median salary:2.16 Lakhs   **Highest salary:**6.28Lakhs

15. Higher Education : GATE. 1 GRE. 4   IELTS. 4   PGECET. 1

16. Student feedback on Curriculum, infrastructure and facilities: **Yes**

17. Strengths:

- Consultancy improvement is maintained

- Quality publications are good

18. Weaknesses

- External R&D can be improved

- Entrepreneurship, startup activities needs improvement

19. Suggestions for improvement

- Advanced learner activities can be conducted

20. Document addressing previous academic year weaknesses and suggestions for improvement .Enclosed: **Yes**

The following improved points were mentioned while addressing previous academic year audit report weaknesses and suggestions:

➢ High package placement had been improved from Rs.4,50,740/- per year to Rs.6,28,004/- per year
➢ Quality research publications were improved
➢ MOU activities were improved
➢ Pass percentage in 2nd year was improved.

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Dept. IQAC in-charge

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Academic Auditor

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Head of the Dept
Professor & Head
Dept. of Civil Engineering
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Kanuru,VIJAYAWADA-520 007

IQAC Coordinator

Prasad V. Potluri Siddhartha Institute of Technology

(Autonomous, Accredited with NAAC A+ Grade

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Kanuru, Vijayawada – 520007)

Internal Academic Audit Report 2021 – 22

1. **Name of Department** : **Computer Science and Engineering**

2. **No. of full time Permanent Faculty** : 36

3. **No. of PG / UG courses** : 01 B.Tech. (CSE)

4. **Curriculum Revisions Information** : **UG**
   - New courses : PVP – 20 : 05, PVP – 19 : 16
   - Modified courses : PVP – 20 : 04, PVP – 19 : 05

5. **Research**

   - Ph.D. Theses submitted : 02 **Awarded:** 03
   - Faculty guiding/ guided Ph.Ds : 05/NIL
   - Publications in Journals : SCIE : 06 **Scopus** : 09,
     ESCI/UGC: 09, Others:02, **Total :** 26
   - Publications in Conferences : Scopus: 20, IEEE: 07, Others: 05 **Total :** 33

6. **Sponsored projects** : **Amount:** NIL
   Applied : Rs. 45,233,527
   Ongoing : NIL   Completed : NIL

7. **Consultancy Amount earned** : NIL

8. **Start-ups & Entrepreneurship** : No.: NIL
   Awards from outside platforms : NIL

9. **Incubation centers: established** : NIL
   Status of incubation : NIL

10. **Patents** : Filed : NIL   Published : 16   Granted : 00

11. **Innovations** : NIL
    Awards from outside platforms
    (reputed Institutions only) : NIL

12. **Books/ Book chapters**
    (with ISBN/ISSN only are considered) : NIL

13. **e-Content developed**
    Lectures added to Web-resources : NIL

14. **Placements** : No : 119   Percentage: 90.8
    Median salary : 6.42 LPA
    Highest Salary : 44 LPA

15. **Higher Education** : GATE No: 02   GRE No. 24
Others (specify) TOEFL: 03, IELTS: 23

16. **Student feedback on Curriculum, infrastructure and facilities: Yes**

17. **Strengths:**

- Significant improvement is observed in percentage of Placements
- There is a significant improvement in number of High Package Placements
- Significant improvement in Highest Pay Package
- Significant improvement in number of Quality Publications
- Significant improvement in number of Students Publications. In Academic Year 2020-21: 04, 2021-22 : 14
- Improvement of participation in National Level Platforms.
- Good number of students were certified in value added courses offered by Microsoft and Infosys

18. **Weaknesses :**

- Sponsored R&D has to be improved.
- Startups/Entrepreneurship/incubation activities have to be improved.
- Consultancy has to be improved.

19. **Suggestions for improvement**

Guided towards acquiring research grants and consultancy

20. Document addressing previous academic year weaknesses and suggestions for improvement .Enclosed :**Yes/No**. if **'yes'** enclose an appropriate document. If **"No"** furnish proper explanation.   **Yes**

a. In Academic Year 2020 – 21, The number of high package (>5 Lakhs per annum) placements are 42 There is significant improvement in number of high package placements for the Academic Year 2021 – 22, i.e. 78

b. There is significant improvement in quality publications in the Academic Year 2021 – 22 from 05 to 15 and in number of patents published from 09 to 16. We are encouraging our faculty to publish good number of quality publications through Research groups in the department.

D. Srulafezli
Dept. IQAC in-charge

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Academic Auditor

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Head of the Dept.

IQAC Coordinator
IQAC Coordinator
VP Siddhartha Institute of Technology
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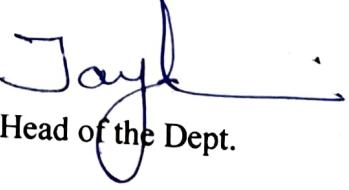
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Internal Academic Audit Report

AY2021-22

1. Name of Department   : **ECE**

2. No. of full time permanent faculty   : **27**

3. No. of PG / UG courses   : **01/01**

4. Curriculum Revisions Information
:UG&PG   : **New courses 26**

5. Research   : **PhD Thesis Submitted: 1   Awarded: 3**

    Faculty guiding/ guided Ph.Ds   : **2**
    Publications in Journals   : **SCI/SCIE: 9   Scopus: 10   Total: 19**
    Publications in Conferences   :
6. Sponsored projects   : **Ongoing:** Nil Completed: Nil

7. Consultancy Amount earned   : **Nil**

8. Start-ups& Entrepreneurship No   : **Nil**

9. Incubation centers established,   : **Nil**

    Status of incubation   : **Nil**

10. Patents   : **Filed: Nil,   Published : 2 , Granted : 4**

11. Innovations   : **Nil**

Awards from outside platforms   : **Nil**

(reputed Institutions only):

12. Books/ Book chapters

(with ISBN/ISSN only are considered)   : **1**

13. e-Content developed   :

Lectures added to Web-resources   : **All Faculty**
14. Placements   : **Total No 98   Percentage: 70.5%**
    Median salary 4 LPA,   Highest salary 9 LPA
15. Higher Education entrance exams: **GATE: 6 , GRE /IELTS: 14**

16. Student feedback on Curriculum, infrastructure and facilities: Yes

17. Strengths:

1. Faculty Student ratio and cadre ratio is good.

2. Students placements are good.

3. Scopus/SCI journals number improved

4. Number of MOU s increased from 7 to 9

18. Weaknesses:

1. External R&D sponsored projects, consultancy work should be improved.

2. Consultancy grants and Research projects needs to be improved

3. High package placements needs to be improved.

19. Suggestions for improvement:

1. Entrepreneurship and incubation activities may be improved.

2. Quality publications need to be improved.
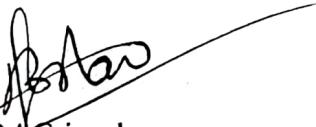
Dept. IQAC in-charge   Academic Auditor   Head of the Dept
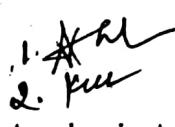
IQAC Coordinator

Internal Academic Audit Report

2021-2022

1. Name of Department : Electrical and Electronics Engineering

2. No. of full time permanent faculty : 26(3 professors, 4 Associate professors,

   19 Assistant professors)

3. No. of PG / UG courses : 01/01

4. Curriculum Revisions Information : UG&PG New courses
   Modified courses - 52%

5. Research : Ph.D Theses submitted : 1 Awarded:1

   Faculty guiding/ guided Ph.Ds : 03
   Publications in Jrs : SCI/SCIE 9 Scopus 30 Total 39
   Publications in Conferences : 10
6. Sponsored projects: Amount: Applied Rs16,58,360 , ongoing 2.90 Lakhs, completed-
7. Consultancy Amount earned :**Nil**

8. Start-ups& Entrepreneurship: No…Nil….Awards from outside platforms: Nil

9. Incubation centers: established Nil   Status of incubation: Nil

10. Patents: Filled: Published: 8   Granted:

11. Innovations:

    Awards from outside platforms (reputed Institutions only):

12. Books/ Book chapters (with ISBN/ISSN only are considered):5

13. e-Content developed: Lectures added to Web-resources: All Faculty

14. Placements: No: 154 offers; 88 students count Percentage: 88/126= 70%
Median salary: 4.00 L/A   Highest salary: 6.50L/A

15. Higher Education: GATE No. 01, GRE No 09, IELTS =3, TOEFL =2,
    State government examinations = Others:1
16. Student feedback on Curriculum, infrastructure and facilities: Yes or No

17. Strengths:

(1) Faculty retention is good.

(2) Student training activates are good.

(3) Number of placements and average pay package is improved.

(4)Feedback mechanism and follow up actions are good.

5) Faculty guiding the Ph.D students and published 8 Patents.

8. Weaknesses:

1) Focus on student higher education and carrier guidance need improvement.

2) Funded R&D project and consultancy need improvement.

9. Suggestions for improvement:

1) More focus required on R&D projects.

(2) Placement in core company need to be improved.

20. Document addressing previous academic year weaknesses and suggestions for improvement .Enclosed: **Yes**

1. High pay package has been improved from 4.5 L/A to 6L/A.

2. 7 student completed their project at two different industries.

Dept. IQAC in-charge   Academic Auditor   Head of the Dept

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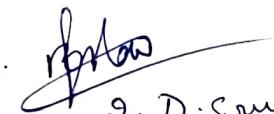
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KANURU,VIJAYAWADA-520007

IQAC Coordinator
IQAC Coordinator
Siddhartha Institute of Technology
Vijayawada

24·11·2022

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(Kanuru, Vijayawada-520007)

Internal Academic Audit Report

2021-2022

1. Name of Department : **Information Technology**

2. No. of full time permanent faculty : **23**

3. No. of PG / UG courses : **01**

4. Curriculum Revisions Information
   UG&PG
   : **New courses:17**
   : **Modified courses:40.53**

5. Research: : **Ph.D Theses submitted 1 awarded 1**

   Faculty guiding/ guided Ph.Ds : **3/0**
   Publications in Jrs : **SCI/SCIE 3 Scopus 7 UGC:4 Others:26 Total 40**

   Publications in Conferences : **14(IEEE/SCOPUS-9, Others-5)**

6. Sponsored projects : **SAGTE Sanctioned Amount:4Projects- Rs.1,60,000/-**
   Applied to other funding agencies: NIL
   Ongoing projects from SAGTE: 1
   Completed : NIL

7. Consultancy Amount earned : **NIL**
8. Start-ups& Entrepreneurship : **NIL**

9. Awards from outside platforms :NIL

9. Incubation centers established

   Status of incubation :NIL

10. Patents: **Filled - 0 Published: 3 Granted:-0**

11. Innovations

Awards from outside platforms(reputed Institutions only) : NIL

12. Books/ Book chapters

(with ISBN/ISSN only are considered) : **1/8**

13. e-Content developed:

Lectures added to Web-resources : **All Faculty**

: **No:112**

14. Placements

Percentage : **82.96%**

Median Salary :**4.5L** Highest salary:**12L**

15. Higher Education : GRE 12 TOEFL:2 IELTS:7

16. Student feedback on Curriculum, infrastructure and facilities: **Yes**

17. **Strengths:**

Quality placements are improved

Average Pay package is improved

Publications in indexed journals are improved

Internships are improved

Activities related to Entrepreneurship are conducted

18. **Weaknesses:**

Consultancy is poor

Sponsored R&D projects needs improvement

Student paper publications are poor

19. **Suggestions for improvement:**

Activities under MOU's needs to be improved

20. Document addressing previous academic year weaknesses and suggestions for improvement .Enclosed: Yes

Suggestions for improvement:

> **Quality publications have to be improved**
>> → In the academic year 2020-21 there are 12 papers are published in Scopus, In the next academic year planned to publish 15 papers in SCI/Scopus journals.

> **Conscious efforts must be made to get sponsored research projects and consultancy**
>> → Faculty are constantly encouraging to apply for R and D Projects.
>> → Applying for research grants every year.
>> → Planned to organize a seminar on Guidelines for submission of R and A project proposals and Research publications

> **Need to encourage students to take field projects.**
>> → There is good number of Internships. In 2021-22 two to three batches of students are planned to take industry oriented projects.

> **Faculty Awards and recognitions :**
>> → Faculties are encouraged to apply for awards as and when an opportunity

comes.

- ➤ **Faculty guiding /guided PhDs:01;**
  - → The department has not been recognized by the University as a research center, as there is no M.Tech Program, hence research guidance is minimal.

- ➤ **e-Content development / Lectures added to Web-resources.**
  - → All the Course materials are uploaded in the college website.

- ➤ **Faculty interaction with outside world: Only few faculty are involved in FDP's, Guest Lectures and BOS members. The faculty needs to show better visibility outside.**
  - → Faculty is encouraged to publish papers in collaboration with outside faculty. Few Faculty are planning to deliver invited talks.

- ➤ **Initiatives taken for innovative mini and major projects**
  - → Selection of 5 best and 5 average projects is in place and merit certificate is awarded to those best projects.

- ➤ **Development Programmes for supporting staff.**
  - → Planned to organize workshop on Basic computer tools and advanced networking for supporting/non teaching staff.

- ➤ **Publications in conferences: Needs improvement in quality**
  - → Faculty are encouraged to present papers in IEEE/Scopus conferences.

- ➤ **Government/Non government : Funded R&D projects: It is a concern that needs to be addressed.**

  - → Planned to organize a seminar on Guidelines for submission of R and A project proposals and Research publications.

  - → Faculty is encouraged to apply for various funded projects as and when get an opportunity through call for proposals.

- ➤ **In-house R&D grants & projects and their outcomes :Resulted in 1 publication and filing patent. Other faculty shall be motivated.**
  - → All faculty are motivated to get R and D grants

- ➤ **Research centers of excellence established:**
  - → There is no PG program to get research center.

- ➤ **Skill development centers established:**
  - → In collaboration with APSSDC, skill development programs are organized. Planned to organize more programs.

- ➤ **Incubation centers: 1 startup registered and 1 patent filed.**
  - → Three batches of students are working on Tableau Software, They are about complete a project and publish the same in a journal.

- ➤ **Placements: The percentage placements are good. Efforts may be put to improve the average and highest packages.**

➔ Planned to get 25 placement with an offer above 6.5 lakhs per annum

Weaknesses:

➢ **Consultancy is poor.**

➔ Planned to conduct an awareness program on how to get funds through consultancy.

➢ **Startups/Entrepreneurship activities are poor.**

➔ One startup is registered and one patent is filed, However planed to conduct more number of Entrepreneurship initiative activities.

1. D. Srulakyli

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Dept. IQAC in-charge

Academic Auditor

Head of the Dept 24/11/2022

IQAC Coordinator
Siddhartha Institute of Technology
Vijayawada

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Internal Academic Audit Report

A.Y 2021-2022

1. **Name of Department:** Mechanical Engineering

2. **No. of full time permanent faculty:** 31

3. **No. of PG / UG courses:** 01 B.Tech. (ME) / 01 M.Tech. (Machine Design)

4. **Curriculum Revisions Information: UG & PG:**   UG: 2020-21, PG: 2017-18
   New courses: 26 Modified courses (min20-25%change): 31%

5. **Research:**

   Ph.D Thesis submitted: 02   Awarded: 01
   Faculty guiding/ guided Ph.Ds: 06/NIL
   Publications in Journals: SCI/SCIE: 05   Scopus: 12   Others: 24   Total: 41
   Publications in Conferences: Scopus: 03   Others: 23   Total: 26

6. **Sponsored projects: Amount:**
   Applied: 04
   Ongoing: 01
   Completed: NIL

7. **Consultancy Amount earned:** Rs.51, 640/-

8. **Start-ups& Entrepreneurship:** NIL   **Awards from outside platforms:** NIL

9. **Incubation centers: established:** NIL   **Status of incubation:** NIL

10. **Patents: Filed: 51**   **Published: 01**   **Granted: 39**

11. **Innovations:** NIL   **Awards from outside platforms** (reputed Institutions only): NIL

12. **Books/ Book chapters** (with ISBN/ISSN only are considered): 02

13. **e-Content developed: Lectures added to Web-resources: All Faculty**

14. **Placements: No: 87/127 Percentage: 66. 14**
    Median salary: 3.5 LPA,
    Highest Salary: 6.28 LPA

15. **Higher Education: GATE No: 02 GRE No. 10**   Others (specify): Duolingo- 03
    IELTS-06
    TOEFL-04

16. **Student feedback on Curriculum, infrastructure and facilities: Yes**

. Strengths:

1. Student training activities are good.
2. Patent activities are good.

. Weaknesses:

1. Publications in Quality Journals need to be improved.
2. High Package Placements may be improved.

. Suggestions for improvement:

1. Need to provide more emphasis on competitive exams.
2. R&D activities are evident, can be improved.

0. Document addressing previous academic year weaknesses and suggestions for   improvement
Enclosed: Yes

1. We are encouraging our faculty to publish good number of quality publications through research groups in the department and the scopus publications count is increased compared to previous academic year.
2. To enhance number of placements including high package, the department has given skill oriented training to all the students and there is an improvements in placements compared to previous academic year.

Dept. IQAC in-charge

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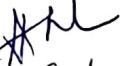
Academic Auditor

Head of the Dept

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IQAC Coordinator

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