



GNANAMANI COLLEGE OF TECHNOLOGY

(Affiliated to Anna University - Chennai, Approved by AICTE-New Delhi
& Accredited by NAAC)

NH-7, A. K. SAMUTHIRAM, PACHAL (P.O), NAMAKKAL-637018

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Annual Report

Internal Quality Assurance Cell (IQAC) Committee Meeting was held in the following dates of the Academic Year 2019-2020.

Odd Semester:

Meeting 1 – 21.06.2019

Meeting 2 – 27.09.2019

Even Semester:

Meeting 3 – 29.11.2019

Meeting 4 – 20.03.2020

The following is the summary of accomplishment of various activities planned by the IQAC during the meeting held in the above mentioned dates.

ACTION TAKEN REPORT

1. Academic Council Meeting was conducted on 28.06.2019. The Coordinator of Academic Council proposed the plan for the various academic activities of the Institution and got approval from IQAC.
2. Center of Excellence “BOT Lab” by Automation Anywhere Inc, USA was inaugurated on 25.06.2019.
3. Conducted 3 days workshop on Robotics Process Automation from 25.06.2019 to 27.06.2019 by Center of Excellence, " BOT Lab", Automation Anywhere Inc., USA.
4. MOUs were linked by ECE Department with Tricom Technologies, Bangalore, Karnataka to enhance the students’ industrial skills in their domain on 01.07.2019 for 3 years.
5. Library Membership Renewal-DELNET (DEveloping Library NETworks) membership was done on 10.07.2019.
6. ECE Department has bought Nexyx A7 FPGA Trainer Board-1and Zybo-Zynq

ARM/FPGA Board with Xilinx Vivado-5 for enhancing the VLSI Laboratory on 11.07.2019.

7. Anna University recognized research center renewal was done on 12.07.2019 for the department of EEE to do collaborative research programme with Anna University, Chennai.
8. Mr.M.Gowri Shankar, AP/EEE, Gnanamani College of Technology has been selected for AICTE-QIP Ph.D program for the Academic Year 2019-2020 on 17.05.2019.
9. Student Induction Program was conducted as Bridge course from 13.07.2019 to 31.08.2019 for the fresher by the faculty members.
10. NBA peer team visited campus from 19.07.2019 to 21.07.2019 for accreditation process of the departments of CSE, ECE, EEE and Mechanical and got approval.
11. S.Anbarasi of II EEE has completed two days Student development program on "Hardware Product Design and Testing" held at Salem College of Engineering and Technology, Salem on 26.07.2019 and 27.07.2019.
12. J.Vijay ECE, won III place in circuit debugging at AVS College of Technology, Salem on 30.07.2019.
13. Department of Civil Engineering has initiated Green Building projects and Green Bricks projects as a part of Industry Supported Lab.
14. Motivation Programme on the topic 'Learn to Learn' was conducted for the first year Students on 26.08.2019.
15. Department of Electrical and Electronics Engineering Organized a one day National Level Workshop entitled "Design of Sensor Guided Robot" on 29.08.2019 at Michael Faraday hall.
16. Guest lectures were conducted in all the departments with resource persons from various industries to enhance the students learning capability.
17. Established an Institution Innovation Council (IIC) under MHRD's Innovation Cell on 11.09.2019 and activities done as per instructions.
18. Workshop in the title of "Wireless Sensor Networks using Contiki- Cooja Simulator" on 13.09.2019. Mr.M.Saravanan, Assistant Professor, Department of CSE, K.P.R Institute of Engineering and Technology Coimbatore was the Chief guest & Speaker.
19. Vaishnavi P, Thilagavathi M, III CSE got First Prize in Technical Quiz conducted by Sengunthar Engineering College on 20.09.2019.
20. Dr.K.Mohanapandian from Physics department has participated in an AICTE Sponsored Short Term Course on 'Two-dimensional Materials: Physics and Applications' organized by the Department of Physics from 21st to 26th September 2019.

21. Dr.K.Bharath, Associate Professor & Head of the Department of MBA was invited as Spoke Person for a seminar “Role of Financial Institution in the Ladder of Economy” held at Hindusthan Institute Technology, Coimbatore on 22.09.2019
22. Donation for Indian Blind Association on 23.09.2019 for public health awareness.
23. Conducted 2 days Online Assessment on Quantitative Aptitude, Big Data, Ethical Hacking, Programming on C, SQL by HireMee on 24.09.2019 & 25.09.2019 where 388 students from various departments attended the training.
24. Entrepreneurship Development Cell conducted Entrepreneurship Awareness Camp on 25.09.2019 and organized an Entrepreneurship Awareness Camp in association with EDII, Ahmedabad sponsored by the NSTEDB, Ministry of Science and Technology, Govt. of India from 25.09.2019 to 27.09.2019.
25. Department of Computer Science and Engineering Organized a one day National Level Workshop entitled “Web Application Development by using PHP – LARAVEL Framework” on 26.09.2019 at Venue of GIMS Seminar.
26. Students are given a full-fledged training in the areas like Soft skill, Verbal, Aptitude, Technical skills and Value Added Training on emerging fields to get placed in top notch MNCs.
27. Higher Education Cell Conducted Neengalum IAS & IPS Agalam on 27.09.2019 for all Pre-Final year and Final year students.
28. Energy Conservation processes like Erection / Replacement of LED Bulbs, Biogas plant installation and Solar Lights have been initiated by the respective department.
29. Dr.K.Bharath, Associate Professor & Head of the Department of MBA was Awarded as “Best Teacher” on 28.09.2019 by ESN Research Groups, Chennai.
30. Approval was given by the IQAC committee on the matters pertaining to the academic activities of the college and directions were given to implement the various activities planned by the Academic Council members.
31. The Finance Club students organized a special Lecture “An Awareness Camp on Capital Market” on 01.10.2019, a special Guest “Mr.R.SenthilMurugan, Senior Manager, National Stock Exchange of India Ltd” was invited to know about the capital market.
32. A Motivational program has been conducted for first year students on 01.10.2019 & 03.10.2019. The Chief Guest of the program was Mr.Raasikesavan, Founder & Chief Trainer, Hayagriva Academy.
33. Conducted ‘Blood Donation Camp’ in association with Government Hospital, Rasipuram on 04.10.2019.
34. Dr.P.Periasamy, Department of Physics has published two books entitled Materials for

Biomedical Engineering: Inorganic Micro and Nanostructures in Elsevier and Hybrid Nano-composites: Fundamentals, Synthesis, and Applications in Pan Stanford Publications.

35. Students and faculty members from various departments have enrolled in ISTE membership and Student from CSE has awarded ISTE Chapter-Best Student Award.
36. Conducted an Orientation program on "NAAC Accreditation Process" on 04.10.2019 for the faculty members.
37. Entrepreneurship Development Cell Conducted Ignite 2K19 on 12.10.2019 and Innovation Day Campaign on 15.10.2019.
38. Approved as Skill & Personality Development Programme centre for SC/ST students (SPDC) by Institutional Development Cell (IDC), All India Council for Technical Education on 16.10.2019.
39. Department of Computer Science and Engineering Organized a one day National Level Workshop entitled "Problem Solving in Python Programming" on 16.10.2019 at Michael Faraday hall.
40. Retail sales by the MBA Students for hands on experience by selling readymade dresses, cosmetics, toys, food items and Mobile accessories sold in the stalls in our campus was conducted by the Entrepreneurship & Marketing Club Students on 22.10.2019 & 23.10.2019
41. Mr.S.Gladson, AP/ECE attended a FDP on "Internet Of Things(IoT)" held at College Of Engineering, Guindy during 29.10.2019 to 02.11.2019.
42. Department of CSE applied for funded projects under Ministry of Science & Technology Division on 31.10.2019 and Ministry of Electronics and Information Technology on 06.11.2019.
43. Participated in Institutions under Unnat Bharat Abhiyan to connect Higher Educational Institutions to Villages for transfer knowledge to enrich rural India by adopting five villages.
44. Organized Workshop on Research Methodology - Ideation to Development on 29.11.2019 through IPR cell.
45. Mrs.G.Vidhya Krishnan AP/EEE and Mrs.P.Pushparani AP/EEE have attended Faculty Development Training Programme entitled "IC8451-Control Systems" in Vivekanandha College of Engineering for Women, Namakkal during 02.12.2019 to 07.12.2019.
46. P.Umabharathi of IV EEE has undergone Internship in the area of "Electrical Maintenance" during the period from 8.12.2019 to 14.12.2019 at Salem Steel Plant.
47. Criteria wise internal audit for the NAAC renewal work was conducted on 12.12.2019 and

the observations were noted down for improvement.

48. Conducted an Orientation Programme on Digital Transformation in Education on 12.12.2019.
49. Conducted an one day HR connect under the title “How to Crack the core Job” by MrBaskar, Head-HR Ridsys for Pre Final Year students on 12.12.2019.
50. Organized an Awareness Programme on Personality Development by Ms.AnjumanBhanu, Brand Manager – REXONA, Hindustan Unilever Limited, Chennai on 13.12.2019 for female students.
51. Department of CSE applied for funding entitled “Improving The Energy Efficiency Using Compressive Sensing And Clustering Techniques” In WSN Assisted IOT” under Research Promotion Scheme of AICTE on 24.12.2019.
52. The NAAC AQAR for the academic year 2018 -2019 was verified by the IQAC Committee and uploaded on January 2020.
53. 4 faculty members had attended MHRD Innovation Ambassador Training Series Organized by MHRD IIC at Krishna College of Engineering, Coimbatore on 6.1.2020 to 7.1.2020 and become MHRD Innovation Ambassadors.
54. Conducted and provided infrastructure to organize India Skill 2020 competition in collaboration with District Skill Training Office and Department of Employment and training, Chennai on 20.01.2020, 21.01.2020, 23.01.2020, 28.01.2020, 29.01.2020 and 31.01.2020. Many students had participated and won prizes.
55. Department of Electrical And Electronics Engineering organized two days Workshop on Opportunities in Elevator Technologies on 22.01.2020 & 23.01.2020.
56. Recognized as Host Institute (HI) / to setup/establish Business Incubator (BI) for implementation of the scheme namely 'Support for Entrepreneurial and Managerial Development of MSMEs through Incubator' on 24.01.2020 .
57. NSS and YRC cell Organized “Republic Day Celebration” on 26.01.2020 with 200 students attended the program.
58. Organized a Seminar on “Virtual Engineering” on 28.1.2020 with 500 students were participated.
59. Conducted a Training Programme on “Quantitative Aptitude, Reasoning & Puzzles” on 03.02.2020 for the final and pre-final year students through HEC.
60. Participated in AISHE (All India Survey on Higher Education) uploaded on 04.02.2020.
61. Under Industry Institute Interaction Cell 60 students of MBA visited Anna Aluminum Private Limited, Kochi on 06.02.2020.
62. Conducted Internal Hackathon for Smart India Hackathon 2020 (national initiative

launched by AICTE and MHRD) on 07.02.2020. Totally 23 teams were participated and presented ideas in hardware and software solutions.

63. Mr.B.Nandhakishore from First Year has secured First prize in National Level Technical Symposium 2020 in Kongu Engineering College, Perundurai, Erode.
64. Organized “Corona Virus Awareness Program” on 10.02.2020 with 126 students attended the program through YRC cell.
65. NSS and YRC cell Organized “Blood Donation Camp” on 14.02.2020 with 120 students attended the program.
66. Department of ECE organized a Guest Lecture on “VLSI Design” on 19.02.2020. Mr.M.Elumalai, Managing Director, Wings Technocrats, Salem was the Chief guest & Speaker.
67. Department of ECE applied for funding entitled “Women Safety Patrolling Robot” at MSME, Government of India on 20.02.2020.
68. Conducted a Workshop on Fire & Safety on 25.02.2020.
69. Department of Computer Science and Engineering organized a one day Seminar entitled, “Digital Marketing” on 27.02.2020 for III and IV year CSE students.
70. Department of Mechanical Engineering organized a Guest Lecture in the title of ‘Future Challenges for Young Engineers in Steel Industry’, Chief Guest Dr.K.MurugaBhoopathy, Deputy General Manager, Salem Steel Plant on 29th February, 2020.
71. Signed MoU with Studymonk on 02.03.2020 for providing Incubation Support, to train the students and for further Research and Development activities.
72. Department of ECE applied for funding entitled “5G based Healthcare Management System Using ICT and IoT” at SERB on 05.03.2020.
73. NSS programme officer attended the NSS PO Meeting on 06.03.2020 at Anna University, Regional Campus, Coimbatore.
74. Organized an Awareness Programme -Health and Hygiene by Dr. PramyaNanjundan, MD (OG),DNB (OG),FRM, Senior Consultant,DharanHospitals,Salem on 08.03.2020 for female students.
75. Organized an orientation program on “Industrial Motivational campaign for Prospective Entrepreneurs” in association with RamasamyChinnammal trust, Coimbatore supported by MSME and EDII, Ahmedabad from 11.3.2020 to 14.3.2020 with 100 students were participated.
76. Conducted a life skill orientation program on UnaveMarunthuon 11.03.2020 through NSS and YRC cell where 178 students attended and got benefited.
77. Conducted an “Entrepreneurship Awareness Campaign” from 12.03.2020 to 20.03.2020

- through Entrepreneurship Development Cell where 35 students attended and got benefited.
78. Department of Chemistry organized a national level Technical Symposium GNAN CHEMP 2020 on 14.03.2020 where 167 students got participated.
 79. Conducted Energy, Green and Environmental Audit on 16.03.2020 and 17.03.2020 by the Energy Audit team.
 80. ECE Department applied for funding under the title "5G based Healthcare System Using IoT for Rural Development" to Indian Council of Social Science Research on 30.03.2020.
 81. Participated in AICTE-Chhatra Vishwakarma Awards 2019 where one team has been selected and participated in Regional Convention of 3rd AICTE-Chhatra Vishwakarma Awards 2019 in Southern Region.
 82. Dr.R.Umamaheswari, Professor & Head, CSE Department has published a paper titled as IOT Based Indoor Localization using Wi-Fi Signal in Journal of Computer Science Engineering and Software Testing, Vol No.6, issue No.1, Apr.2020, ISSN No 2581-6969.
 83. The Committee reviewed the mentoring system of each department, the schedule being followed and the Counseling record of students.
 84. EEE Department conducted a Guest Lecture on "Renewable Energy Systems" through Green Energy Club where 187 students attended the program and got benefited.
 85. Dr.J.Kathiresan, from Mathematics Department published a paper entitled "An inventory system with retrieval demands, multiple vacations and two supply modes" in International Journal operational research 37(4), 524-548, 2020.
 86. Dr.P.Periasamy from Physics Department Published Book chapter Periasamy et al., Nanofabrication And Smart Nanosensor Applications, chapter 10, Hybrid nano composites and their potential applications in the field of nano sensors / biosensors, 1st Ed, edited by Kaushik Pal, Elsevier, (2020) ISBN: 9780128207024.
 87. Dr.R.Sudha from Chemistry Department published a paper entitled "Removal of Cadmium(II) from water using modified Citrus Limettioides peels: Thermodynamic and Isotherm studies" in Asian Journal of Chemistry.
 88. The Department of Management Studies organized a special lecture on the topic "Know about the Bankers Bank B²a special resource person" through Financial Club.
 89. The Committee verified the department wise students admitted count, Merit Scholarship and fee concession given during admission 2020-2021.
 90. IQAC organized 5 days online FDP on "Emerging Effective Digital Tools for Teaching Pedagogy" from 24.05.2020 to 29.05.2020.
 91. Various reputed companies were brought in for both on-campus and off-campus placement programs where 488 students from different departments got offers.

92. Anitha.S, Ashma.S, Janani.K, KaviyaSree.M IV ECE published a paper entitled “E-Smart Army Jacket based on Climate Condition using ARM Controller” in International Journal of Innovative Research in Science, Engineering and Technology, IJIRSET, Volume 9, Issue 5, May 2020.
93. Mr. S.Thendralvan, IV Mech published a paper “Mechanical Behavior of Natural Fibres Reinforced Polymer Composite” in A Journal of International journal of Aegaeum Journal Vol. 08, Issue 05, PP 549, May 2020.
94. Conducted a Webinar on Radiation Safety in Healthcare on 11.06.2020 by ECE department.
95. CSE Department applied for funding under the title “FDP on Artificial Intelligence and Robotics” to AICTE Training And Learning (ATAL) to be held from 13.07.2020 to 17.07.2020.
96. Provided Temporary Isolation Ward (Quarantine Centre) Accomodation for treating Corona Virus Disease Covid-19 suspected peoples during the period from 15.04.2020 to 31.08.2020. Around 1070 people got benefited from the Covid-19, 24x7 treatment.
97. CSE Department applied for funding under the title “FDP on Recent Emerging Technologies in IoT with Machine Learning” to AICTE Training And Learning (ATAL) to be held from 20.07.2020 to 24.07.2020.
98. Incubation center as GREATi(Gnanamani Rural Entrepreneurship And Technology Incubator) has been created and Three Start-ups has been initiated as LED light installation, Robotic process Automation and E-cart.

The annual report of the academic year 2019-2020 is discussed in the first IQAC meeting of the academic year 2020-2021. The comparative measures of the annual plan and the annual report for the academic year 2019-2020 has been verified. The Committee appreciated the initiatives taken and the plans which are not adhered are insisted to do in the upcoming academic year.