# Stakeholders' Feedback Analysis Report 2019-20





## Kalinga Institute of Industrial Technology

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

(Institute of Eminence)

(NAAC Accredited A Grade)

Bhubaneswar, Odisha

## Feedback from Stakeholders 2019-20

## Internal Quality Assurance Cell IQAC



## KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY (KIIT)

Deemed to be University U/S 3 of the UGC Act, 1956

Bhubaneswar, India

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### **FEEDBACK PROCESS**

#### A. Feedback Collection:

To get an overall idea on curriculum and other relevant aspects, the University has established feedback system through the close ended structured questionnaire via Google Form /SAP Portal. Feedback are collected from Stake holders which include Students, Faculty members, Alumni, Employers and Parents. Feedback is collected from the Students twice in a year through SAP on course content and course outcome, Course teacher and institutional facilities. Feedbacks are collected from the faculty members on design and outcome of the course they are teaching. Feedback from Recruiters, Alumni and Parents are taken once in year on curriculum development and overall improvement of Teaching Learning process. The Feedback is collected through a questionnaire in a scale of 5. The quantitative analysis is done on the basis of the score while the qualitative analysis is done on major opinions and suggestions given by different Stakeholders. The feedback on curriculum includes the course content and its depth, coverage, applicability, learning value, clarity and relevance.

### **B. Feedback Analysis:**

The data collected by the IQAC was sorted and consolidated for drafting the analysis report. The data entered in the selected format was then converted into chart form and decoded for the proper comprehension of the matter. The analysis is done year wise as well as parameter wise. The aspects pointed out by all the stakeholders are considered with special care and attention. The teachers discussed and evaluated the suggestions received from different spheres regarding the curriculum. The suggestions were consolidated to communicate to the teachers who are members of various Boards of Studies and Syllabus Revision Committees, and those who participated in the Syllabus Revision Workshops conducted by the University. Proper suggestions were formulated to be communicated to ensure the proper redressal of the grievances.

### Response in a Scale of 5

1	Poor	
2	Fair	
3	Very Good	
4	Great	
5	Excellent	





## STUDENTS FEEDBACK

#### Feedback analysis of Student's Responses

#### Frequency per Year- 2

The students were asked to provide their feedbacks in terms of rating against different criteria associated with course content and outcomes, teaching and learning process as well as institutional facilities. The different criteria points associated in this regard are mentioned in the table below. The questions asked to the Students are provided in the appendix1.

Table I Criteria points and average scores (Students)

lNo	Criterion	Average Score (Scale of 5)
	COURSE CONTENT AND OUTCOME	
1	The course content provides sufficient objectives, knowledge and skills about the course	4.6
2	The course is well structured, interesting and relevant	4.6
3	The course is up to date and as per the need of the time	4.6
	TEACHING AND LEARNING	
4	Delivery of structured lectures and completion of syllabus in time	4.5
5	Classes are interactive and Participations & Discussions are encouraged	4.7
6	Well versed in the subject and has ability to teach simple & clear way	4.6
7	Effective communication skill (e.g. Grammar, Clarity and Audibility)	4.7
8	Enthusiastic, Energetic and creates curiosity to learn more and more	4.8
9	Innovative in teaching and Activity based learning	4.7
10	Punctuality, regularity and effectively conduct classes	4.8
11	A capable counselor with regard to Academic, Career Planning and related matters	4.7
	INSTITUTIONAL FACILITIES	
12	Infrastructure & Facilities (Lab, Library, Hostel etc)	4.7
13	Training & Placement	4.8
14	Extracurricular & Extramural Activities	4.5
15	Health & Hygiene	4.8



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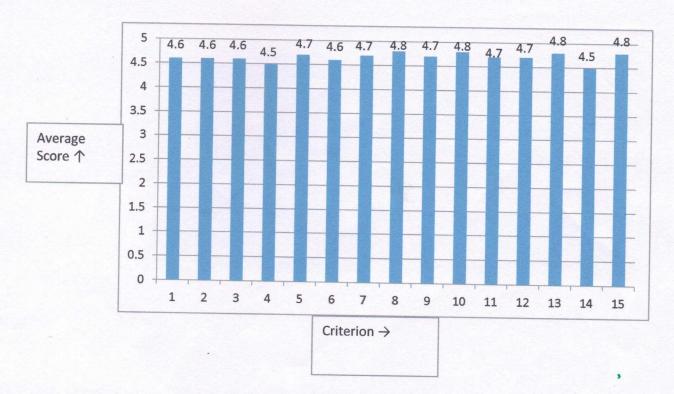


Fig 1: Bar graph for average score against each criterion (on a scale of 5) as mentioned in the table I

## Feedback on Curriculum Development (5 Point Scale)

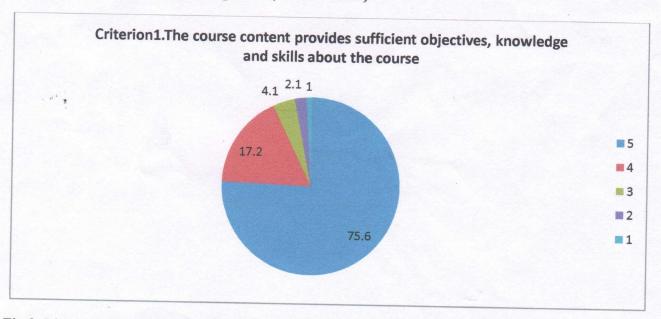


Fig 2: Pie chart analysis on feedback received with respect to curriculum development





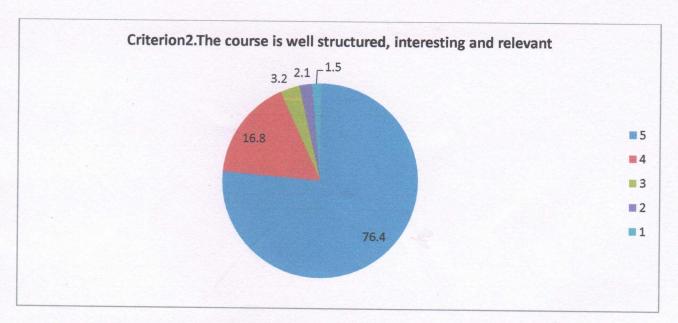


Fig 3: Pie chart analysis on the feedback received with respect to structure and relevance of the course

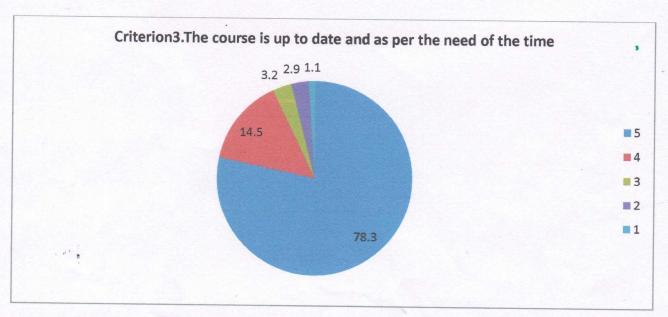


Fig 4: pie chart analysis on the feedback received with respect to course updation.





## **TEACHERS FEEDBACK**

#### Feedback analysis of Teachers Responses

#### Frequency per Year-1

The faculty members have been asked to provide their feedback in terms of rating and suggestion against different criteria mentioned in table II provided below. The questions asked in this regard are provided as Appendix 2.

Table II: Criteria points and average score (Teachers)

SI No	Criterion	Average Score (Scale of 5)
1.	Students' satisfaction for the contents of the existing course	4.5
2.	The Curriculum is well designed relevant to applications and scope	4.5
3.	The Course outcomes are well defined	4.6
4.	The Curriculum provides opportunity for conducting research and project related activities	4.6
5.	The Curriculum is balanced with regard to theoretical and practical knowledge	4.6
6.	The Curriculum recommends relevant text and reference books	4.5
7.	The Course is innovative and periodically updated	4.6
8.	The Curriculum reflects to build technical knowledge and skills as per the desire of the industries/society	4.6
9.	The Curriculum demands international and national importance	4.5
10.	Participation of the students during course delivery in the class	4.6





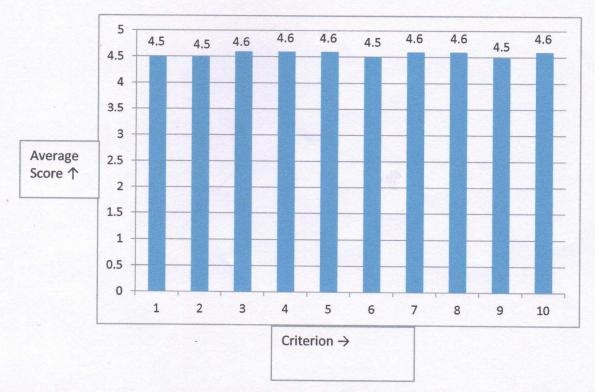


Fig 5: Bar graph for average scores against each criterion (on a scale of 5) as mentioned in table II

#### Feedback on Curriculum Development (5 Point Scale)

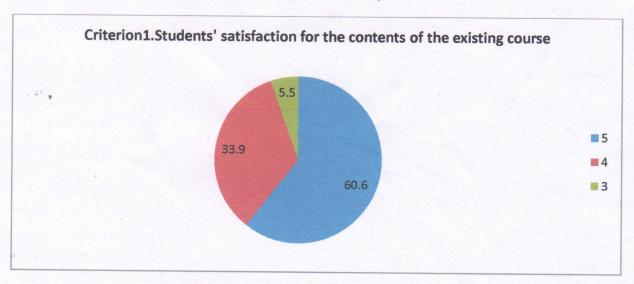


Fig 6: Pie chart analysis on the feedback received with respect to satisfaction over the course content





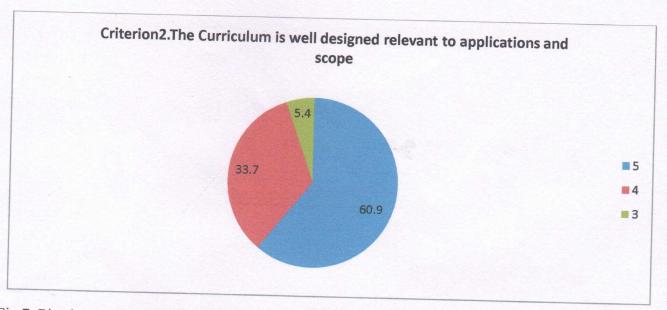


Fig 7: Pie chart analysis on the feedbacks received with respect to relevance of the curriculum and its scope

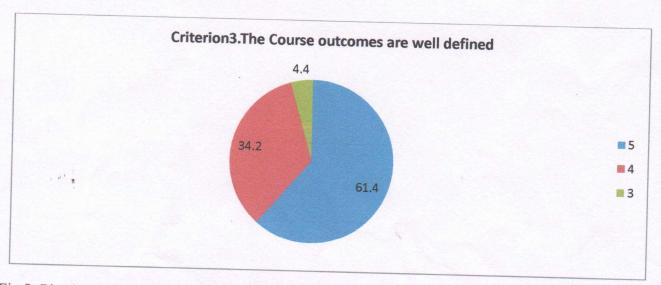


Fig 8: Pie chart analysis on the feedbacks received with respect to the course outcomes to course in the curriculum



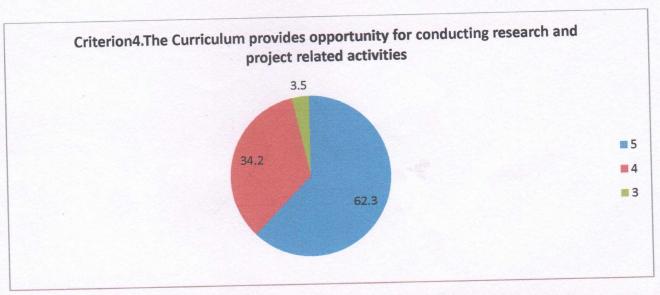


Fig 9: Pie chart analysis on the feedbacks received based on the opportunities for project and research aspects associated with the curriculum

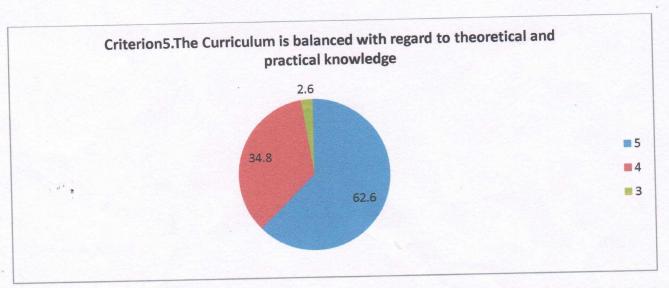


Fig 10: Pie chart analysis on the feedbacks based on the theoretical knowledge and practical aspects associated with the curriculum



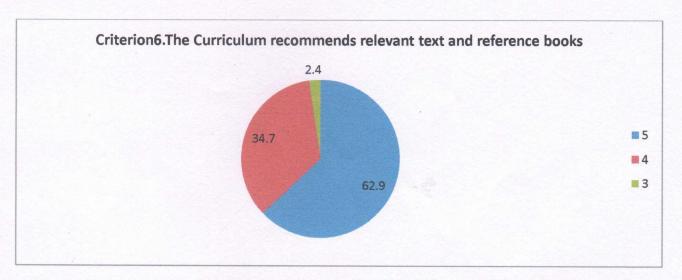


Fig 11: Pie chart analysis on the feedbacks received with respect to appropriate of the text and reference books provided to the students

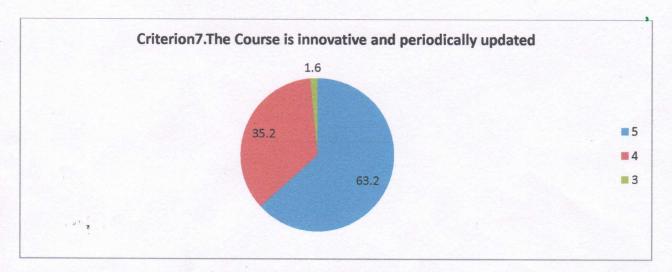


Fig 12: Pie chart analysis based in the feedback received with respect to course updation





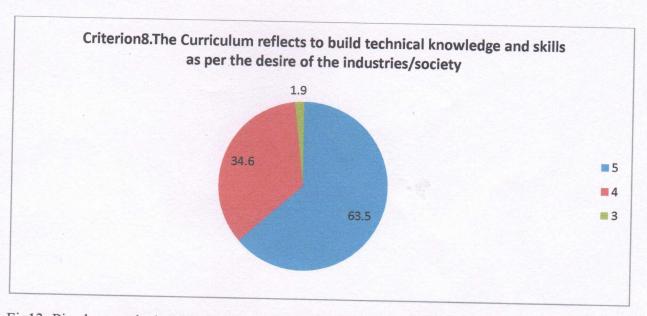


Fig13: Pie chart analysis with respect to the feedback received with respect to technical knowledge and industry relevant skills provided through the curriculum

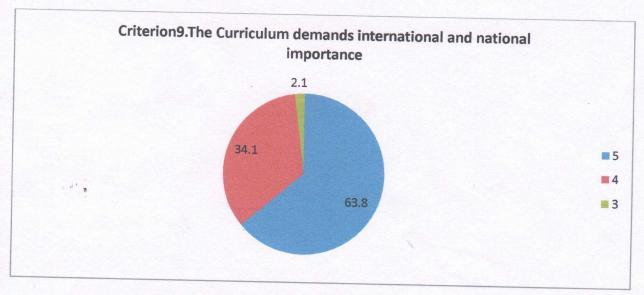


Fig 14: Pie chart analysis with respect to the feedback received with respect to the curriculum addresses issues of national & international relevance.



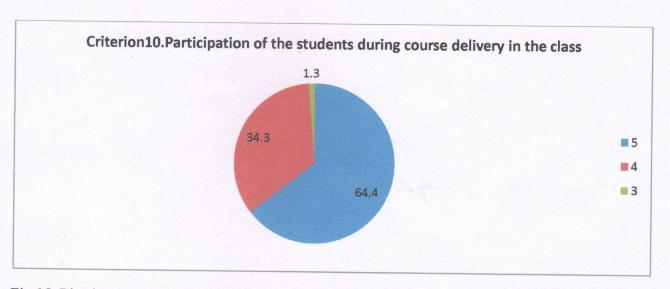


Fig 15: Pie chart analysis on the feedbacks received with respect to actual involvement of the students in different course activities



## **ALUMNI FEEDBACK**

### Feedback analysis of Alumni Responses

### Frequency per Year-1

Alumni feedbacks were collected in terms of ratings and suggestions against different criteria as mention in table III. The questions provided to the alumni are provided in appendix 3

Table III: Criteria points and average score (Alumni)

Sl No	Criterion	Average Score (Scale of 5)
1	Course content and outcome	4.7
2	Faculty	4.8
3	Laboratory & equipments	4.8
4	Project guidance	4.7
5	Opportunity to Learn / Innovate	4.8
6	Evaluation System	4.8
7	Library facilities	4.6
8	Hostel facilities	4.5
9	Healthcare facilities	4.6
10	Sports & other Recreational facilities	4.7
11	Additional facilities Bank, Transport, Canteen etc.)	4.8
12	Training & Placement	4.7
13	Student – mentoring System	4.8
14	Grievance redressal	4.7
15	Attitude of University employees	4.8





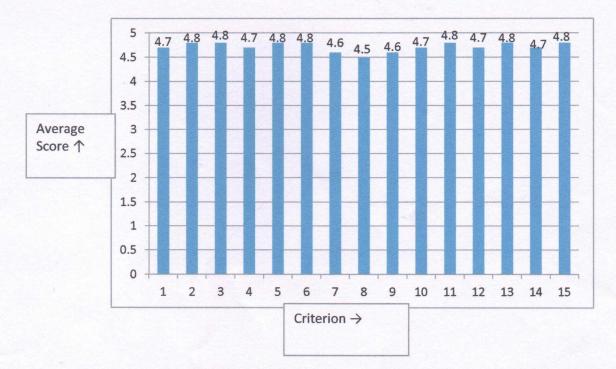


Fig 16: Bar graph for average scores against each criterion (on a scale of 5) as mentioned in table III.

#### Feedback on Curriculum Development (5 Point Scale)

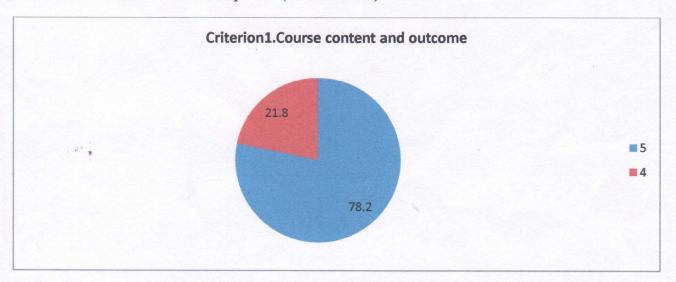


Fig 17: Pie Chart analysis on the feedbacks received from alumni on Course Curriculum





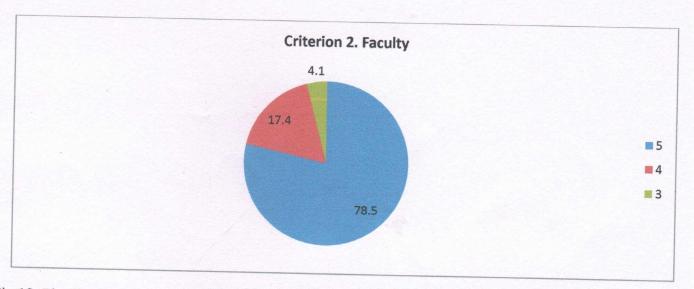


Fig 18: Pie Chart analysis on the feedbacks received from alumni on Faculty

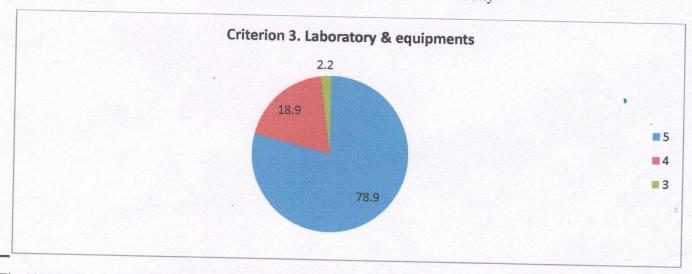


Fig 19: Pie Chart analysis on the feedbacks received from alumni on Laboratory & equipments

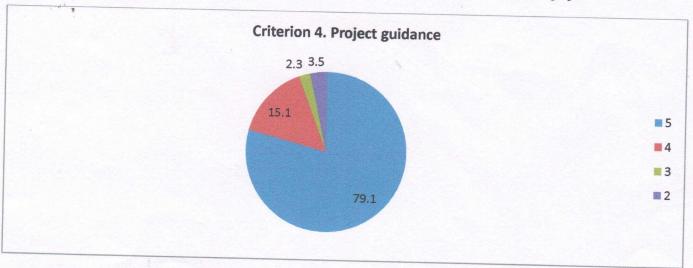


Fig 20: Pie Chart analysis on the feedbacks received from alumni on Project guidance



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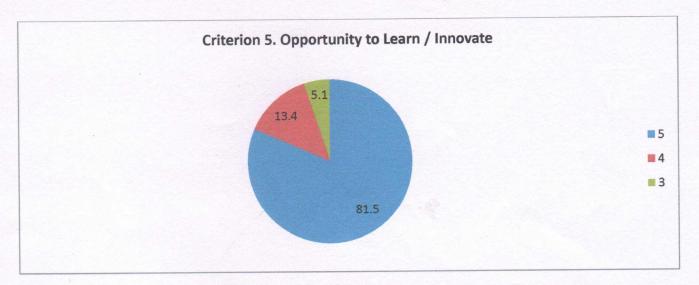


Fig 21: Pie Chart analysis on the feedbacks received from alumni on Opportunity to Learn / Innovate

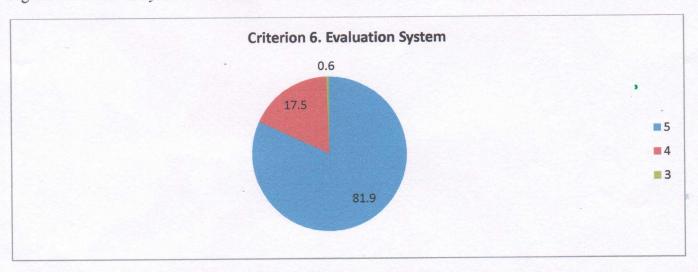


Fig 22: Pie Chart analysis on the feedbacks received from alumni on Evaluation System





## **EMPLOYERS FEEDBACK**

## Feedback analysis of Employers Responses

## Frequency per Year-1

The employer's responses have been collected against the different criteria points mentioned in Table IV. The feedback response form is provided Appendix IV

Table IV: Criteria points and average score (Employers)

SI No	Criterion	Average Score (Scale of 5)
	FEEDBACK ON STUDE	NTS
1.	Technical Knowledge / Skills	4.6
2.	Communication skills	4.7
3.	Personal interest & Involvement	4.5
4.	Innovativeness & Creativity	4.6
<ul><li>5.</li><li>6.</li></ul>	Responsible & Reliable	4.7
7.	Effective team member / leader	4.7
8.	Effectively address work place problems  Overall contribution to meet organizational goal	4.8
	FEEDBACK ON INSTITUT	4.6
9.		ION
	Course content and outcome	4.8
10.	Training of the students	4.5
_	Attitude of University Employees	4.6
2.	Hospitality and logistic support	4.5





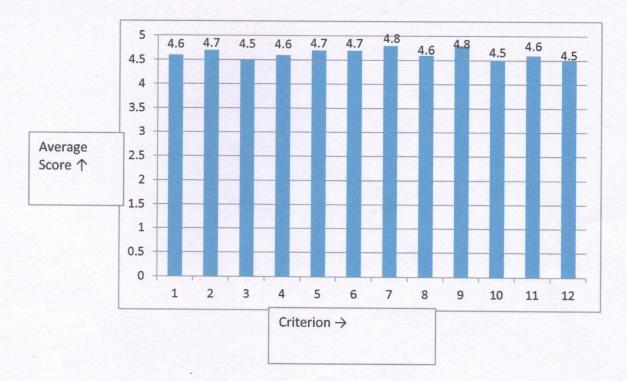


Fig 23: Bar graph scores against each criterion (on a scale of 5) as mentioned in Table IV

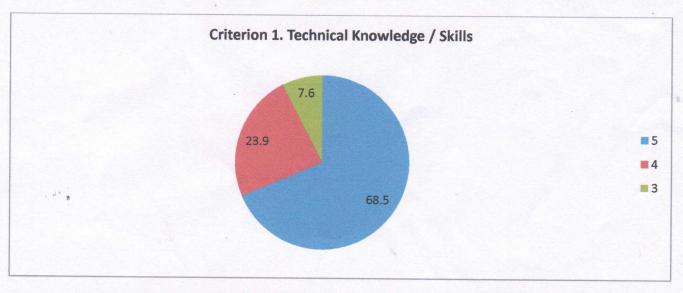


Fig 24: Pie chart analysis on the feedbacks received from recruiters on Technical Knowledge / Skills



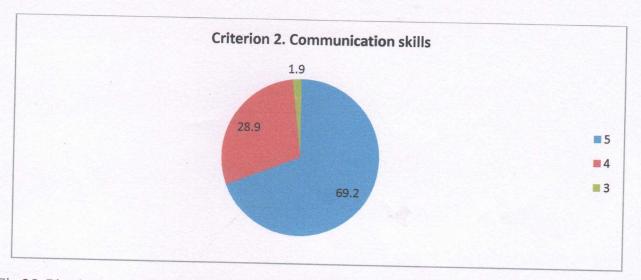


Fig 25: Pie chart analysis on the feedbacks received from recruiters on Communication skills

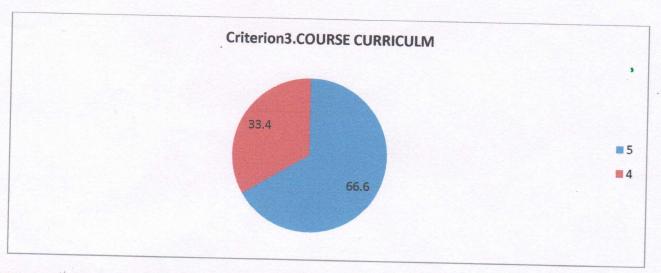


Fig 26: Pie chart analysis on the feedbacks received from recruiters on course curriculum

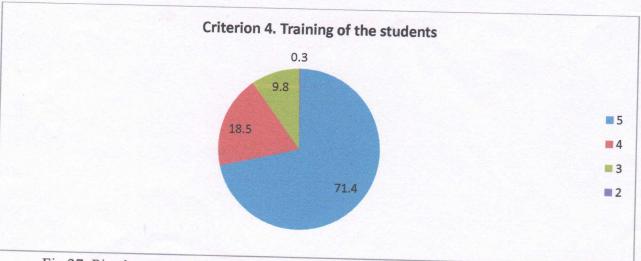


Fig 27: Pie chart analysis on the feedbacks received from recruiters on Training of the students



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## **PARENTS FEEDBACK**

## Feedback analysis of Employers Respondents

#### Frequency per Year-1

The parents responses have been collected for different criteria points as mentioned in the table below

Table V: Criteria points and average score (Parents)

SI No	Criterion	Average Score (Scale of 5)
1	Admission procedure	4.4
2	Curriculum & teaching learning process	4.4
3	Competence and commitment of faculty	4.5
4	Student- mentoring system	4.6
5	Environment and ambience	4.6
6	Academic facilities	4.5
7	Learning resources (Laboratory, Library, Internet etc.)	4.6
8	Health care facilities	4.4
9	Sports, games and other extracurricular facilities	4.4
10	Support services (Hostel, Transport, Canteen, etc.)	4.6
11	Training and placement	4.7
12	Timely publication of results	4.9
13	Grievance redressal	4.6
14	Attitude of the institute employees	4.5
15	Parental pride and respect for the Deemed University	4.5





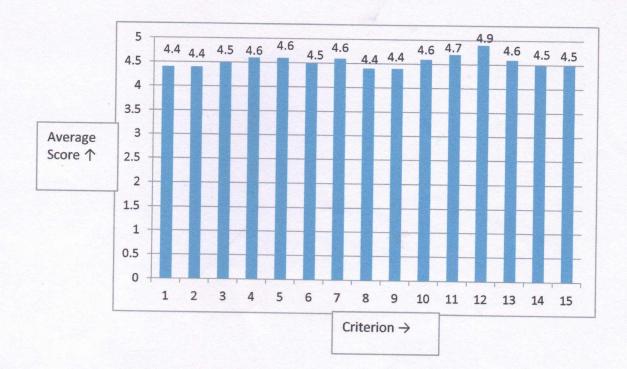


Fig 28: Bar graph for average scores against each criterion (on a scale of 5) as mentioned in Table V

Feedback on Curriculum Development (5 Point Scale)

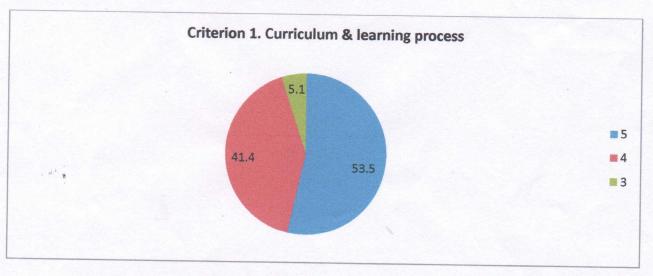


Fig 29: Pie chart analysis on the feedbacks received from parents on the Curriculum & teaching learning process



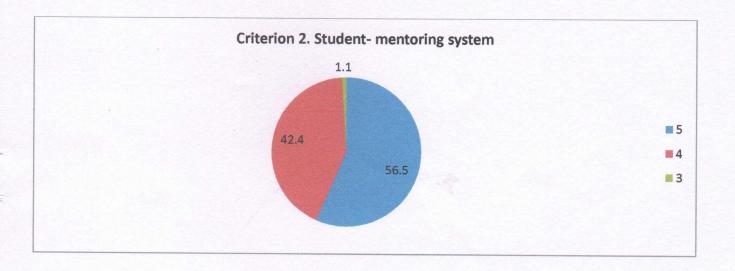


Fig 30: Pie chart analysis on the feedbacks received from parents on the Student-mentoring system

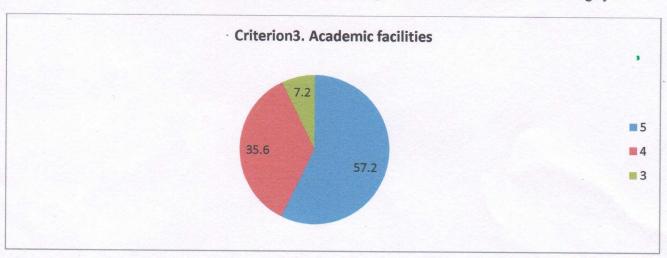


Fig 31: Pie chart analysis on the feedbacks received from parents on the Academic facilities

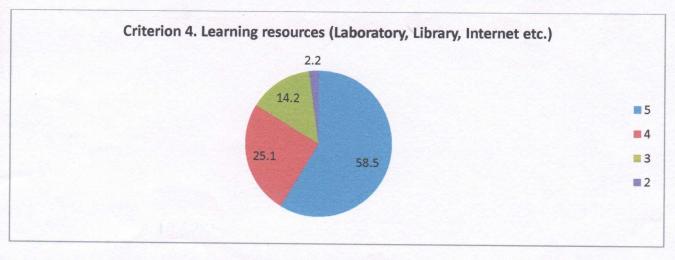


Fig 32: Pie chart analysis on the feedbacks received from parents on the Learning resources (Laboratory, Library, Internet etc.)



## FEEDBACK ANALYSIS

- The feedback data was collected from the stakeholders i.e. Students, Teachers, Alumni, Employers and
- In general positive feedbacks were received as all the stakeholders expressed their satisfaction with respect to curriculum-content and outcome.
- The teachers opined that the curriculum reflects to build technical knowledge and skill as per the desire of the industries / society. They also felt that the course outcomes are well defined.
- Alumni felt that the laboratory and equipments are excellent.
- The stakeholders suggested for multidisciplinary research facilities with advanced research lab to carry out research. The point was noted and communicated to competent authority.
- Due to covid situation, the stakeholders suggested to carry out online classes and online examinations.
- The teachers and the alumni suggested restructuring of activity based learning.
- The stakeholders suggested more number of informal meetings with the stakeholders over a cup of tea related to academics and other relevant issues.

## ACTION TAKEN REPORT

On the basis of the feedback collected from stakeholders the following actions were taken

## Central Research Facility Center:

Central Advanced Research Facility Center has been set up in 1 lakh square feet area with Research centers having high end equipments. It includes Technology Business Incubator (TBI), Technology Enabling Center, Translational Research Center, Human Development and Leadership Center, Technology Transfer Laboratory, IoT and Design Thinking Laboratory, Material Research Laboratory, Research center for Renewable Energy and Nanotechnology etc. Sincere efforts have been made for promotion of quality research and exchange programmes. National/ international collaborations have been established with reputed institutes/industries and

## • Inter-disciplinary Research:

KIIT encourages and promotes publication of quality Books, Research Articles, Conference Papers etc. by the members of faculty and students in national and international Journals of repute. The University promotes a climate of culture for research and innovations among the faculties and students. Focus has been augmented for interdisciplinary and innovative programmes and research activities. Research teams from different schools such as School of Engineering, School of Biotechnology, School of Medical and Dental Sciences, School of Public health, School of Management etc undertake inter-disciplinary research addressing issues of national and international relevance, cutting edge technologies and sustainable development goals. Inter-disciplinary Research area include renewable energy, water, rare earth, bio reserve, AI and IoT, cancer research, sustainability and equity and electric vehicle.

## Curriculum Design and Revision:

In undertaking the process of curriculum design and development of academic programmes, valuable inputs/suggestions from the Advisory Board, Academic Council, Board of Studies, Visiting Professors, Industry experts, employers, Parents and alumni association are obtained for incorporation in the curricula. The syllabus revision was carried out in LLB, M.Tech, M.Sc Nursing and Bachelor in film programs.

#### • New Programs/Courses:

On demand new courses such as Ph.D in Commerce, M.Com and B.Com were introduced. Similarly some elective courses in the existing program of LL.B, B.B.A and B.Tech were also introduced.

#### • Value-added Courses:

Value added courses on Energy Audit and Management, Energy Storage Technology, Solar Power Technology, Film making and Creative Arts, Revit Software, Foreign Language Skills Training etc were offered during the year.

#### • Field Projects/ Internship:

The students from B.Tech, B.Arch, MBBS, M.B.A, LLB, M.A Journalism, M.Sc Nursing programs etc have undertaken Field project/ Internships during the year. Prototype projects on industrial problems during internships were conducted in collaborations with the industries.

#### • Teaching and learning:

Apart from conventional classroom teaching practices, KIIT has introduced new methodologies and techniques to update the process of teaching and learning in its various Faculties/Institutes. Innovative measures introduced include updated computers, Student centric teaching and learning, ICT enabled tools like Power point presentations, Simulations, Animations, NPTEL Online Video Lectures & MIT Open Courseware system, Learning Management System— 'Moodie', institutional LMS etc. Other initiatives include special coaching for slow and advanced learners, Choice Based Credit System (CBCS) and project-based learning etc. Digital Library sections have been functioning in the libraries with Internet facility and e-resources for use by faculty members and students. Campuses have been provided with Wi-Fi connectivity. E-enabled classrooms are equipped with LCD projectors and computers. All major e-resources (e-Data Bases, e-Journals and e-books, etc) from different fields of study have been procured and made available with campus wide licenses. All classrooms are enabled with e-learning facilities. Smart classrooms have also been created to further the integration of cutting age advanced teaching learning tools into the extant system of teaching learning process.

#### • Online Examinations:

Online examinations for spring 2019-20 were conducted smoothly because of prevailing pandemic situation.

#### • Restructuring of Activity based learning:

The activity based learning was restructured as per the suggestions given by teachers and alumni.

#### • Chai Pe Charcha with Stakeholders:

As suggested by Students, Alumni and Parents informal discussions over a cup of tea related to Academics and other issues were held throughout the year.



Date:

Director IQAC

KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY

DEEMED TO BE UNIVERSITY

BHUBANESWAR



## Kalinga Institute of Industrial Technology (KIIT) Deemed to be University (Established U/S 3 of UGC Act, 1956)

Bhubaneswar, Odisha, India

## Internal Quality Assurance Cell (IQAC)

Minutes of Meeting (03-12-2020)

The meeting of Internal Quality Assurance Cell (IQAC), KIIT Deemed to be University was held on 3rd December 2020 at 4.00 PM in virtual platform. All faculty coordinators of QA Cell of each School are invited to attend the meeting.

#### **Members Present:**

S1	Name	Designation	IQAC
No 1.	Prof. Hrushikesha Mohanty	Vice Chancellor	Chairperson
2.	Prof. Sasmitarani Samanta	Pro-Vice Chancellor	Member
3.	Prof. Jnyana Ranjan Mohanty	Registrar	Member
4.	Dr. Shankar M. Venugopal	Vice President, Mahindra & Mahindra Ltd, Chengalpattu, Chennai. (Employer Nominee)	External Member
5.	Mr Ashok Kumar Panda	Dy Director, EME, Army Headquarters, New Delhi.(Parent Nominee)	External Member
6.	Mr Alok Kumar Samantaray	Senior IT Engineer at IBM India Pvt. Ltd.(Alumni Nominee)	External Member
7.	Mr Sarthak Nayak	Student Nominee	External Member
8.	Prof G.C.Kundu	Director, R&D	Member
9.	Prof Santosh Kumar Pani	CoE	Member
10.	Prof Arun Kumar Ray	Director, Academics	Member
11.	Prof Samresh Mishra	Director, Student Affairs	Member
12.	Prof. P.K.Pattanayak	Principal, KIMS	Member
13.	Dr. Suprava Patnaik	Dean, School of Electronics Engineering	Member
14.	Prof. Biswajeet Sahoo	Director, School of Computer Engineering	Member
15.	Dr. Sudhir Kumar Satpathy		
16.	Prof. Saroj Kumar Mahapatra	Director, School of Management	Member
17.	Prof. Srinivas Patanaik	Dean, School of Biotechnology	Member
18.	Mr Sudhir Satapathy	Finance Officer	Member
19.	Dr. Biswajit Mishra	Dean, Quality Assurance Cell	Member
20.	Dr Arindam Deb	Deputy Director, Accreditation	Member
21.	Prof Tapas Roy	Asst. Director, Rankings	Member
22.	Prof. Ashok Kumar Sar	FIC, QA Cell, KIIT School of Management	Member
23.	Dr. Satyaranjan Jena	FIC, QA Cell, KIIT School of Electrical Engineering	Member
24.	Prof. Chinmoy Ku. Panigrahi	Director, Quality Assurance Cell	Member Secretary



With due permission of the Chairperson, Prof. Chinmoy Kumar Panigrahi, Director, Quality Assurance Cell and Member Secretary IQAC welcomed all the esteemed members of the IQAC to the meeting. He briefly explained the role of 1QAC and placed the minutes of last meeting along with Action Taken Report on the decisions taken in the previous meeting of the IQAC. Further, he requested the external experts to provide their viewpoints on different areas such as Curriculum Development, Teaching and learning, Examination and evaluation, Research and development, and Student admissions. Again, discussion among all members has been made as per agenda mentioned in following table.

Agenda No.	Items	Remarks
01	To confirm minutes of last meeting	Confirmed
02	To approve the Action Taken Report on the decisions taken in the previous meeting.	Approved
03	AQAR (2019-20) status	It is almost ready and will be uploaded in NAAC portal by 15th December, 2020
04	To lay down Quality improvement strategies in Curricular development, Teaching & Learning, Examination & Evaluation, Research & Development Admission	Planned for a Quality manual covering the said parameters. A draft may be prepared by taking input of Dean/ Director /Principal and CoE by 28th Feb 2021.
05	Plan of action on Academic audit report 2019-20	Both Quantitative and Qualitative analysis has been made (Annex 1 and Annex 2) as per Consolidated Academic Report (Annex 3). The improvement areas for each school are to be identified by Dean/Director/Principal and will be placed before competent authority by 31st December, 2020.
06	Stake Holder's Feedback	The Feedback analysis report for 2019-20 and action taken report was be placed before committee for approval
07	Preparation of code of conduct Handbook for Stakeholders	To be discussed with Registrar in detail and draft placed before competent authority by 31s' January, 2021 for approval.
08	Collaboration with Industry	Draft may be prepared by Dean/Director of concerned School and to be placed before competent authority by 31st January, 2021 for approval.

Mr. Ashok Kumar Panda, (the parents nominee) highlighted his viewpoints regarding research and development. He proposed bringing out collaborative research projects on Artificial Intelligence (AI), sensors, and transducers. He also suggested to carry out research works in the fields of vibration reduction in automobile fields.

Dr Shankar M. Venugopal, Vice President, Mahindra and Mahindra (employers nominee) suggested some multidisciplinary/cross-departmental courses between the Schools of Electrical Engineering, Mechanical Engineering, Electronics Engineering and Computer Engineering. He nicely explained the requirement of these type of courses in Automobile sectors. He also suggested more association with industry.

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Prof Saroj Kumar Mahapatra, Director KSOM emphasized industrial collaboration with the University. He further suggested the industry will accept that project proposal which it is in their interest.

Dr. G.C. Kundu, Director R&D explained the importance of industrial collaboration, students' interaction with industries, and international faculty exchange program. He emphasized the multidisciplinary research with Artificial Intelligence. He suggested improving the number of quality publications in the next year.

Prof. Srinivas Patanaik, Dean School of Biotechnology explained the different actions taken by the School in Curriculum development, Teaching learning process and Research and development.

Dr. Biswajit Mishra, Dean, QA cell discussed the procedure followed for Students satisfaction survey. He also informed that the Students satisfaction survey report for 2019-20 will be uploaded in the website after due approval from the competent authority.

Prof. Santosh Pani, COE informed that almost all the activities of Examination section are conducted through SAP. Efforts are going on for incorporating the issue of certificate through online mode.

Prof. Jnyana Ranjan Mohanty, the Registrar, emphasized the importance of industrial collaboration. He proposed to identify the parameters for the assessment of Centre of Excellence. He also suggested to strengthen the documentation process.

Prof Sasmita Samanta, Pro-Vice Chancellor suggested to make the strategies on the different aspects in a structured manner. Further, she suggested incorporating the concept of fixed parameters and dynamic parameters for different schools for quality improvement. She emphasized on collaborative works with the industries in terms of research and Project. She suggested developing a mechanism such that the publication of the students can be improved.

Prof Hrushikasha Mohanty, Vice Chancellor nicely explained the role of IQAC and asked the QA cell take the guidelines from Academic council in formulating the policy and process. He said more and continuous interaction with industries is needed to strengthen the industrial collaboration. Further, he suggested to explore the quality policy for each school taking into account the strength, weakness and aspiration. Prof Mohanty also said that quality is a culture which must be inculcate in the University for its progressive growth.

The meeting ended with a word of thanks by Dr Tapas Roy, Asst Director, QAC.

Director- QAC

Submitted for kind approval.

Vice Chancellor

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DEEMED TO BE UNIVERSITY
BHUBANESWAR



Kalinga Institute of Industrial Technology

Deemed to be University, Bhubaneswar-751024, Odisha, India, www.kiit.ac.in