Sustainability Report 2019
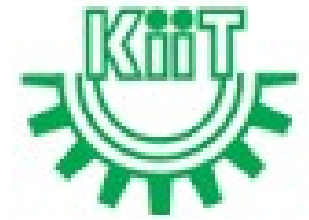
SDG 16 ' Peace, Justice & strong Institution

Kalinga Institute of Industrial Technology, Bhubaneswar, Odisha, India

1 Introduction:

SDG 16 speaks about peace, justice and strong institutions.The prevalence of peace and justice cannot be ignored as it constitutes one of the prime criteria for building up a very strong institutions. Peace and Justice are complimentary to each other both are very much vital for providing equality among human beings and nations. Justice could be individual to collective. For example, slavery, human trafficking etc. KIIT is one of the premier institutions which emphasizes on ensuring peace and justice in the campus & beyond. There are students and employees from different parts of the globe. Therefore it is the one of the prime concerns of the management.

The University has a strong governance system and provides out-most importance to governance and leadership for smooth functioning and continuous growth of the University in proper direction. The Vice Chancellor is the Executive Head of the University who also acts as Chairman of different Committees constituted under the University. The University follows well-structured decentralized governance system. It maintains intense transparency in governance with active participation of all its stake holders. All departments/ schools are independent and autonomous in academic matters; Accountability is ensured by internal audit as well as through department level academic monitoring committee. There is representation of all its stakeholders like students, faculty, parents and alumni as well as academicians and industry personnel of repute in all its major policy making bodies. Feedback from stakeholders plays a major part in all developmental work carried out in the University. Research work are undertaken on peace and justice: There have been extensive research carried out by the academicians of the institute on this topic.

SDG 16 : Peace, Justice & Strong institutions

Research papers have been published in various international, national and peer reviewed journals. Various grants have been received from reputed institutions like Indian Council for Social Science Research, National Human Rights Council to our faculties and researchers to pursue their research work on Justice and Peace.

KIIT believes in equality among the students and staff members. It has always taken drastic measures whenever necessary, to ensure that peace and justice prevails.

This report is organized as follows. Section 1 provides the introduction to the report. Section 2 mentions the goals of the University in attaining and contributing to SDG 16. Section 3 outlines the different initiatives taken by the University in this respect during the year 2018-19. Section 4 provides the impact of these initiatives.

2 Goals

The goals are defined as:

- Promoting peace and creating opportunities for sustainable livelihood leading to economic stability among the poorest of poor families.
- Creating awareness on human rights and work towards reducing violence in society
- Work towards holistic development of the indigenous children through KISS
- Framing proper policy advisory for government
- Providing academic freedom to all
- Maintaining transparent governance system
- Emphasis on non discriminating and crime free society

3 Policies and Initiatives:

Different policies and initiatives of the University in this regard have been highlighted below:

a) University governance system:

The University has a strong yet transparent governance system approved by the University Grants Council (India), which is the chief

authorizing agency for the University. The University has well defined policies and procedures to identify stakeholders external to the University and engage with them. This includes representation of stakeholders in major decision making bodies of the University and in its Governance. The University , as part of its policies and procedures appoints academicians, industry personnel and other local stakeholders as external members of in its major decision making bodies like Board of Management, Academic Council, Board of studies, International Quality Assurance. There is representation from existing students, alumni and parents also in all its major policy making bodies. Student Council has been a important part of the University looking into the student welfare and bridging the gap between the management and the students. Additionally, all stakeholders including the alumni, parents, reputed academicians, representatives from

industry and employers are involved in providing feedback on the curriculum, framing of course/student outcomes and program educational objectives.
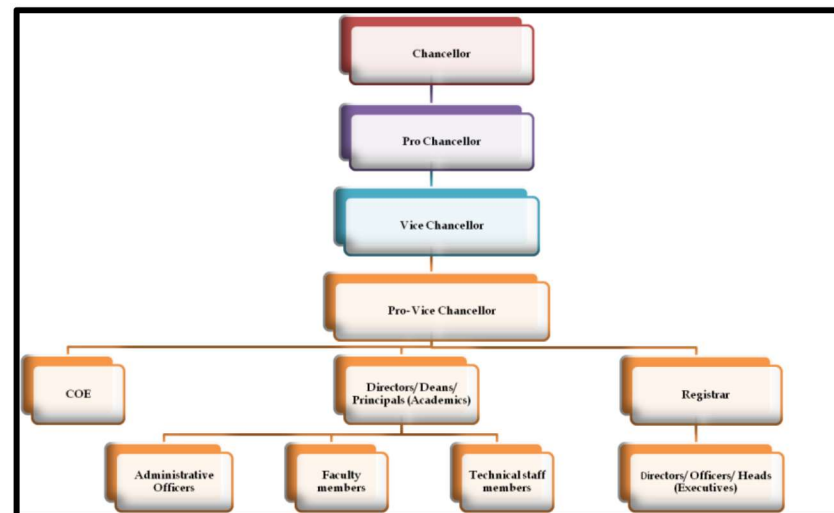
Organogram of the University

b) Academic freedom policy

Academic freedom is provided to the students, faculty and other staff members. Faculty members are allowed to choose their topics of interest for teaching and research. They are provided freedom to collaborate with

academic institutions, and academicians of their choice. Freedom to float courses in collaboration with industry partner and establishing centre of excellence. They are empowered to provide consultancy services in collaboration with industry and other government agencies. Faculty members are provided with option for providing free educational resources and lectures through designated portals.

Faculty members and research students deliver talks on their choice of research topic on weekly basis in different schools of the University which is open to attendance of any member of the University and general public. Students are provided freedom to choose subjects from other streams across all programmes of the University under the choice based credit system.

Other staff members are also encouraged to opt for higher studies in their stream of interest. They are provided with freedom to publish papers and deliver talks in their fields of choice.

c) Advising the Government

The University is involved in expert opinion and advice through its involvement with a horde or national and international organizations under the umbrella of associations and councils. The University is member of Indian Science Congress Association, Indian Commerce Association, Indian Society for Technical Education, Indian Social Science Congress, Khelo India Organisation and Association of Indian Universities (AIU) to name a few.

Academicians of the University are members of different policy making bodies and those working under the aegis of the Government of India.

The University has been nominated as a mentor institute under the 'Paramarsh scheme' of National Assessment and Accreditation Council to extend support to those institutions awaiting for accreditation in different stages. Eleven colleges and one University have signed their MoU with KIIT to be its mentee institutions.

KIITTBI, an initiative of the University supported by Department of Science & Technology (DST), Government of India offers incubation facilities and enables the incubatees to work in a secure, innovative and entrepreneurial environment as they progress through various stages of entrepreneurial development. The Technology Business Incubator (TBI), established with the view to serve as an Incubator for potential entrepreneurs, serves as a focal point for entrepreneur development, patent support, etc. They provide regular feedback and

update to the university periodically helping in providing necessary facilities to the government.

The University is the advisor of Royal Government of Bhutan on Higher Education. The University has been imparting special training and skill development programmes to Teachers, Principals and Officials of Government of Bhutan since 2017.

d) Participation in Government research

The University is involved in a large number of policy focused research in collaboration with government department/ organizations. More than 100 research projects in emerging areas and SDGs are going on in collaboration with government agencies like DST, DBT, BRNS, MNRE, ICSSR etc in areas of national and international relevance. Several research particularly those in collaboration with Indian Council for Social Science Research are based

on various social issues leading to SDGs and are helpful in framing necessary policies. Various seminars, Conferences and events are being organised in collaboration with government agencies with emphasis on policy focus research. List of major projects and seminars, Conferences and events organised are provided in the **Appendix I and II respectively.**
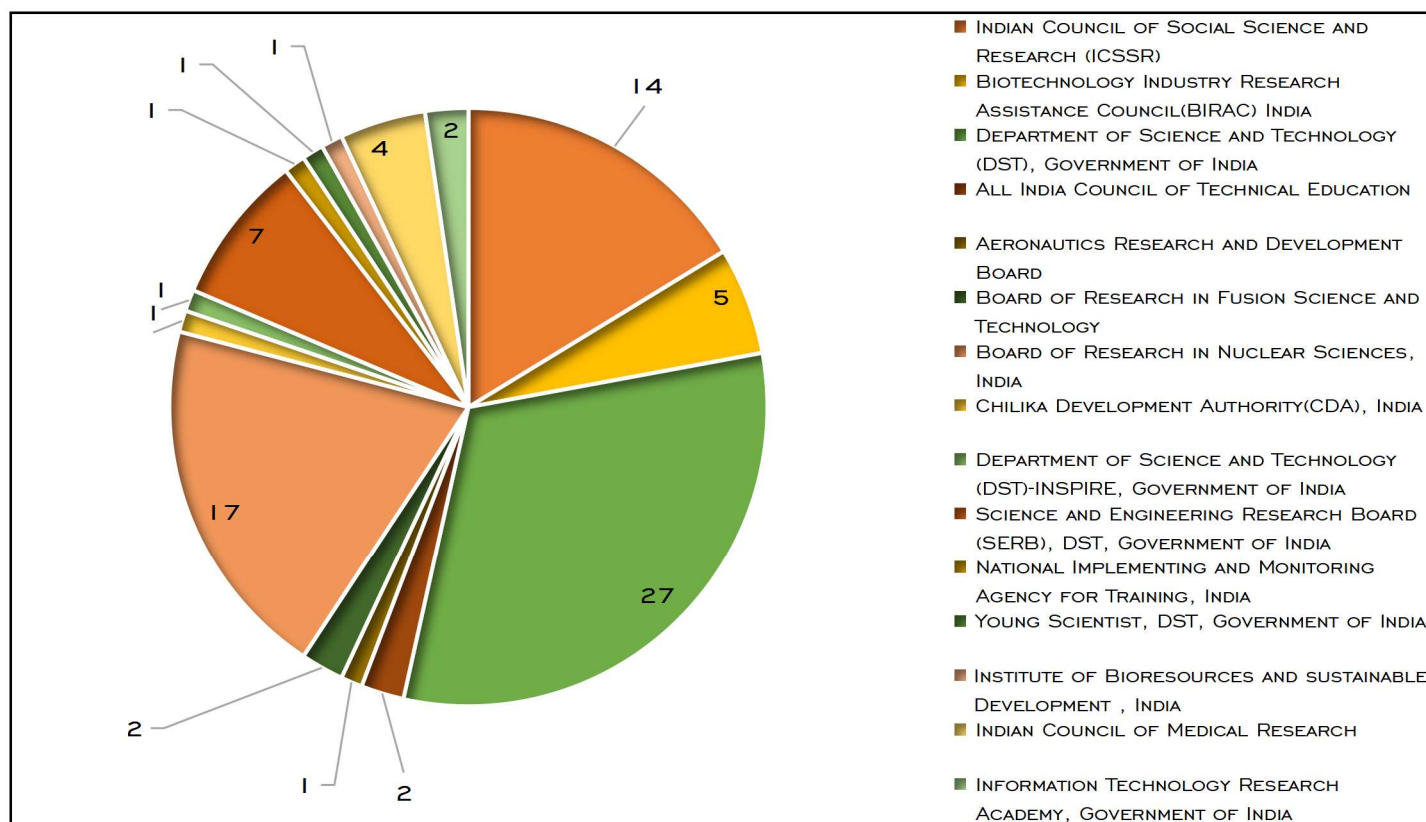
Number of ongoing major Projects related to SDGs in collaboration with various government agencies

e) Holistic development of the indigenous children

The University looks into the holistic development of the indigenous/ tribal students in collaboration with its sister concern Kalinga Institute of Social Sciences (KISS), Bhubaneswar, India. KISS is a fully free, fully residential home for 30000 poor indigenous/tribal children who are provided holistic education from kindergarten to post graduation along with lodging, boarding, health care facilities besides vocational, life skills empowerment. Details can be found at URL link: https://kiss.ac.in/about/ . The University plans to educate 2,00,000 indigenous (tribal) children over the next decade and in the process of setting up branches in 10 states, with the support of respective state Governments, and in all 30 districts of Odisha.

These Students are high achievers in academics, co-curricular activities and national and international sports, making it a highly successful model of tribal empowerment through education. KISS has so far set up centers in Delhi, Mayurbhanj, Balasore are currently functioning. More than 5000 students have already converted to mainstream of the society.

Kalinga Institute of Social Sciences, Bhubaneswar, India

KISS Delhi https://www.kissdelhi.ac.in/ is a joint venture of Govt. of National Capital Territory (NCT) of Delhi and KISS

Bhubaneswar to provide quality education and vocational training to the children belonging to the economically weaker section of the society and orphans is a fully free residential school presently has student strength of 1200 and imparts education from Class I to Class XII under Central Board of Secondary Education (CBSE) curriculum. The School is fully supported by the Govt. of Delhi and managed by the Chief Executive Officer, KISS Delhi and his team very successfully.

KISS, Delhi

Set up in Baripada in association with Adani Foundation, Ahmadabad (https://www.adanifoundation.org/), KISS - Mayurbhanj provide quality education to the underprivileged tribal children of the tribal dominated district as well as neighboring districts.

KISS, Mayurbhanj

'Oswal- KISS Residential School' has been established in Bolangir, Odisha in association with Oswal Group (http://www.oswalgroup.com/). The School will provide quality education to the

underprivileged tribal children of the district and adjoining areas.

KISS, Bolangir

Emami KISS Residential School is a joint venture with Emami Group (http://www.emamiltd.in/). Modeled along the lines of the original, innovative campus at KISS, it will function as a residential academic centre providing holistic education, accommodation, food, health care, study material and sports training to its students free of cost.

Recognizing the success of KISS model in Bhubaneswar, Bangladesh is all set to replicate a congruent version of it in Dhaka and Jessore. Branch at Dhaka is being set up in association with Daffodil International University, Dhaka. Jessore Branch is supported by 'Banchte Shekha', a leading NGO led by Dr. Angela Gomes, Ramon Magsaysay Laureate. KISS shall provide technical and managerial support for the functioning of the two branches.

A new branch of KISS is being established in West Bengal, in collaboration with 'Help Us Help Them', a Kolkata based NGO that promotes the same cause. The school shall be a residential school for over 1000 children and will have the same structural model as KISS.

Prof. Achyuta Samanta, Founder, KIIT & KISS with KISS students

Faculty members and students from Kalinga Institute of Industrial Technology, regularly visit KISS branches to contribute in academic activities and educational ventures to its students round the year.

f) Workshops, Seminars and Events on related topics

   i. *Kanya Kiran Programme:* Kanya Kiran', the massive awareness programme to stop violence against women and girl child is organised every year across the

30 districts of Odisha. The programme is carried out as an awareness on human rights and reducing violence against women and girl child. The third edition of Kanya Kiran was organised from 10th to 12th June, 2019.

Number of Districts covered in Odisha	30
Number of Staff volunteers involved	3200
Number of Women benefitted	30000

Table 1: Activities and beneficiaries

Awareness programme under Kanya Kiran 3.0

Awareness programme under Kanya Kiran 3.0

ii. Awareness programmes on cyber bullying and cyber crimes are being organised in all districts of the state of Odisha, India to educate the public on these issues.

Awareness on cyber crimes

iii. Awareness programme was organised in Bugin Ha, Godibari Village and the children were made aware about the "Good and Bad Touch", and made to understand the difference between "care" & "harassment" .

Awareness on good and bad touch

iv. Flash Mobs and Nukad Nataks/ street plays are being organised round the year for addressing social issues like foeticide, women empowerment, domestic violence cyber crimes, injustice in society etc.

Nukad Natak/ street play in progress

KIIT MUN 2019

v. KIIT Model United Nations 2019 with the theme "Live your life in PEACE, not in PIECES…" was organised from 20-22nd September 2019, on which more than 1000 national and International delegates deliberated for 3 days in 14 committees.

vi. Three day intensive workshop on Compassionate Integrity Training was conducted in collaboration with KISS, UNESCO MGIEP and Life University from December 14-16, 2019. The participants were students and staff members of KIIT and KISS as well as general public. This multi-part training program was aimed at cultivating basic human values as skills for the purpose of increasing

individual, social and environmental flourishing. Besides, covering a range of skills with the participants in this training, from self-regulation and self-compassion to compassion for others and engagement with complex systems, CIT focused on building perspectives towards compassionate integrity. This is a first-of-its-kind attempt to bring a coursework-based understanding of common humanity and kindness to higher educational spaces in India.

Workshops on Compassionate Integrity Training in session

vii. NSS Special Camp 2019 was organized in three villages namely Padmakeshripur, Injana and Tangibanta from 12-18 December, 2019. The camp majorly worked on creating awareness on the issues of drug addiction and alcohol consumption.

drug addiction and no alcohol campaign

viii. There are several skill development programmes being offered in collaboration with AICTE. We have provided the training under Deen Dayal Upadhyaya Grameen Kaushalya Yojana (DDU-GKY) scheme under Ministry of Rural Development (MoRD) and Pradhan Mantri Kaushal Vikas Yojana (PMKVY) under Ministry of Skill Development &

Entrepreneurship (MSDE), Government of India.

Apart from the Basic skill development programme, the Sports Department and School of Yoga have also organized several programmes to keep people fit with the support of Association of Indian Universities. The reputed Public Sector Undertakings and big Industrial House like Rourkela Steel Plant (RSP) - Steel Authority of India Limited (SAIL), National Aluminium Company Limited (NALCO), Hindalco Industries Limited, Tata Refractories Limited Krosaki Refractories Limited and Mahanadi Coalfields Limited (MCL) have collaborated with us for Skill Development drive. The snapshot of the few skill development programmes conducted by our University under National Schemes during 2018-19 are presented as **Appendix III**.

Detailed information available at: http://skills.kiit.ac.in/

ix. Various programmes have been conducted on capacity building for policy and lawmakers. Mentoring to 11 colleges and one University under "Paramarsh" an UGC sponsored mentoring scheme for National Assessment & Accreditation Council (NAAC) accreditation aspirant Institutes; training programmes for sarpanchs and Management development programmes for Public Health Engineer Organisation officials and other state government officials were also being conducted. Conferences, seminars, workshops and webinars were being organized round the year.

Inaugural function of Paramarsh Scheme

Special Training Programme 'Perspective on Academic Leadership'

x. *Seminar Lecture on "Human Rights:* Experience and Expectations" was organized on11-10-2018 by - International Law Society of School of Law. Speaker was Hon'ble Justice Mr. K.G Balak Krishnan, Former Chief Justice of India & Former, Chairperson of The National Human Rights Commission, New Delhi.

Seminar on Human Rights

xi. *Workshop on Gender Equity and Inclusion:* Transformative Pathways in Higher Education Organized in association with Women in Security, Conflict Management and Peace Supported by Public Affairs Section, U.S Embassy, New Delhi from "27-11-2019 to 30-11-2019". The main speaker at the forum was Dr. Meenakshi Gopinath, Director, Women in Security, Conflict Management and Peace , New Delhi

Workshop on Gender Equity and Inclusion: Transformative Pathways in Higher Education

Workshop on Gender Equity and Inclusion: Transformative Pathways in Higher Education

xii. Gandhian Library

The University has established a library 'Karamchand' to commemorate the 150th Birthday of Mahatma Gandhi in 2019. The University believes that the ideologies of Mahatma Gandhi, the father of our nation may be spread through the literary works available here and instill in the youth, a vision to contribute to the society and development of the nation. Scholars doing doctoral and research work on the Indian society and influence of the Mahatma Gandhi on our nation may find a plethora of information in these libraries to facilitate their work.
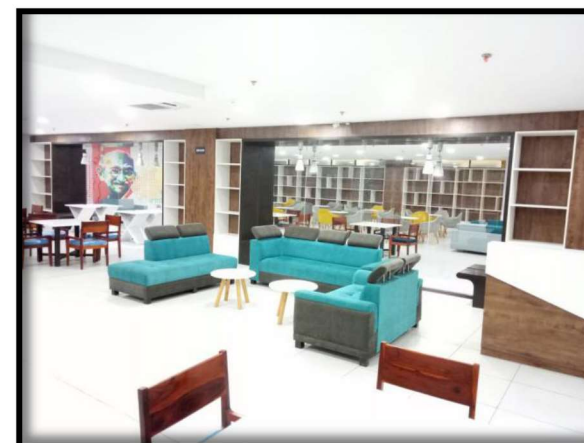
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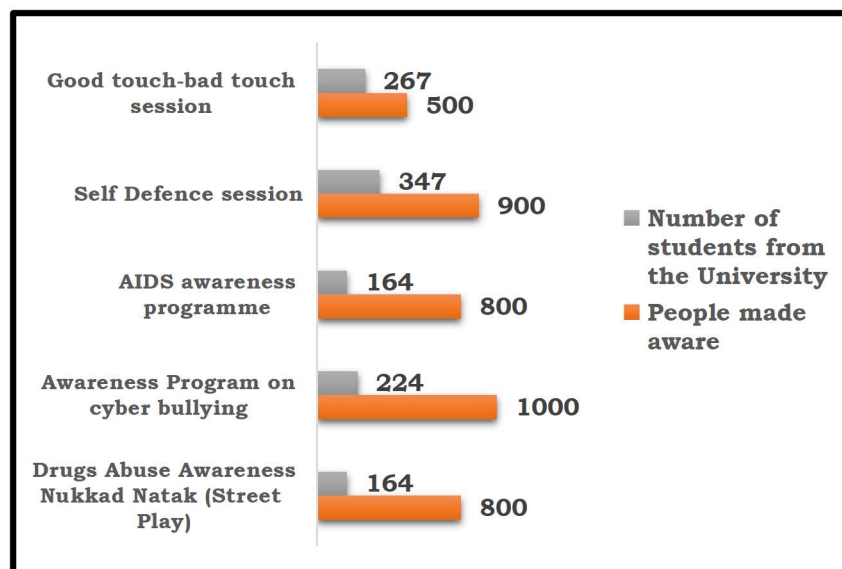**A, B, C are pictures from Karamchand Library**

Participants

Capacity Building Programmes under Paramarsh scheme	500
KIIT Model United Nations	700
Workshop on Gender Equity and Inclusion	176
UNESCO MGIEP's workshop on Compassionate Integrity Training	345
Seminar on changing the World through Law and Economics	156
4th KIIT National conference on International Law	514
Seminar on Human Rights(Experience and Expectations)	268

Participants in the various Conference /Seminar/Workshop on human rights and equality/ promoting peace and justice

	Number of students from the University	People made aware
Good touch-bad touch session	267	500
Self Defence session	347	900
AIDS awareness programme	164	800
Awareness Program on cyber bullying	224	1000
Drugs Abuse Awareness Nukkad Natak (Street Play)	164	800

Student participation and beneficiaries of the events

g) University's commitment for crime free society

The University's principles and commitments on organized crime, corruption & bribery are being published as the part of the University Working guidelines.

The Clause 3.1 of Human Resource Manual that 'in the discharge of his/ her duties, no employee shall, except with the prior sanction of the competent authority, accept or permit his wife or any other member of his/ her family to accept from any person other than relatives any gift of more than trifling value. The interpretation of the term 'trifling value' shall be the same as laid down in the Government Servants Conduct Rules'

The University has also established both online and offline grievance and disciplinary committees in which Ombudsmen are also appointed, to resolve issues, if any arises. The employee has to face strict action if found guilty of any crime including corruption & bribery.

h) Legal Aid and Assistance Clinic

KIIT Legal Aid and Assistance Clinic has been working in the campus with an aim to provide free legal aid services to any one and everyone who approached them.

KIIT LEGAL AID CLINIC
Know Law, Serve Society

FREE LEGAL ADVICE TO THE KIIT & KISS FAMILY.
EVERDAY – 3.30 p.m. to 6.00 p.m.
AT LEGAL AID CLINIC.
KIIT SCHOOL OF LAW,
KIIT UNIVERSITY.
kiitlegalaid@kls.ac.in
0674-6999550

i) Centre of Excellence

i. The University has 24 centres of Excellnece in collaboration with industry and government agencies, working in various SDGs. The list of Centres along with their details are provided as **Appendix IV.**

ii. Sustainability and Equity: the CoE has been established in 2019 to to create awareness among its students, staff and general public about the needs and importance of sustainable development goals, its importance and impact on the progress of our nation. This Center of Excellence is working on gathering, measuring and analyzing data related to different sustainable development goals both at national level and international through its collaborations, partners, NGOs, surveys and research activities. It is also working towards more collaborations at national and international level, NGOs and corporate to frame policies and decide on plan of action to meet the goals.

iii. The centre of Excellence in Occupational Safety and Health: has been established by KIIT in association with BG BAU, Germany; BG ETEM, Germany and Indo German Focal Point, India in 2019. The centre has been established to promote occupational safety and health in India and make workplace safe and healthy through Awareness, Training, and Research.

j) Public Policy Research Centre has been established for impacting social and technical policy formulation process with an emphasis on good governance practices, efficient implementation mechanisms and evidence-based policy making

k) Wellness Clinic

Wellness clinic has been established in the city of Bhubaneswar and is several districts of the state by the University supported by its medical unit. These clinics provide services associated with naturopathy treatment, counseling services, rehabilitation and de-addiction therapy. So far, more than 1500 people have been cured of mental tension and severe addiction.

l) Technology awareness programme

Inhouse technology awrareness programems have been coducted in several constituent schools to explain how informatuon and digital technology can be used through internet of things, drone technology, machine learning etc for human and scoial begavioral modeling, prediction of outcomes (in different interactions). This modeling and prediction will help the society, lawmakers and the government to take necessaary steps at appropiate times to ensure peace and harmony in any organisation and in the country.

4 Impact:

The following table summarizes the impact in terms of children/students/people motivated and benefitted through the different initiatives mentioned in section 3:

Initiatives	Children/students/people motivated and benefitted
Transparent University governance system	30000+ benefitted
Capacity-building programmes for policy and lawmakers	1000+ benefitted
Mentoring under the Paramarsh Scheme of NAAC	11 colleges and 1 university
Government research	100 + projects ongoing
Flash Mobs & Nukkad Nataks	5000+ benefitted
Kanya Kiran programme	30000+ benefited

Appendix I: List of Ongoing projects in collaboration with various government agencies :

Various Research Work on Social Sciences are ongoing on various SDGs:

- SDG 10: Reduced inequalities: Projects in collaboration with Indian Council of Social Science Research (ICSSR)
    - Literacy in Promoting Empowerment among the Tribal Woman: A Case Study of Odisha
    - Response to the Offence of Rape by the Criminal Justice System-An Empirial Study in the State of Odisha,Jharkhand and West Bengal
    - Revitalization of Indigenous Languages: Issue and Challenges
    - The Root Cause of Maoist Extremism and Development Challenges, A Study of Odisha
    - Strengthening Societal Roles in Developing and Implementing an Effective Alcohol Policy in India.

- o SDG 3: Good Health Well being: Projects in collaboration with Indian Council of Social Science Research (ICSSR)
    - Service Quality Dimensions :-An Assessment of Government Sponsored Social Programmes

- Exploring The Limitation of Medical Negligence Law with Special Reference to Odisha.
- Socio-Economic and Health Interventions for the Greying Population: An Impact Assessment in the State of Odisha.
- Research on Rheumatoid Arthritis with title 'Identifying Mitochondrial Dysfunction as the regulatory mechanism in progress of Rheumatoid Arthritis and the associated therapeutic opportunities in the Indian case control cohort' in collaboration with SERB
- Research on diseases like cancer, tuberculosis are being carried out in collaboration with government agencies like Board of Research in Nuclear Sciences (BRNS), Science and Engineering Research Board (SERB)
    a) Development & Characterization of microtumor spheroide for evaluating radiopharmaceuticals
    b) Development of a potent anti-cervical cancer drug using bioactive small molecule quinacrine Nanopartical
    c) Deciphering the Effects of Radiopharmaceuticals on Eplgenetic Profile of Colon Cancer"

d) Effect of lipoic acid on lionizing radiation-induced TGF beta signaling in breast cancer cells

e) Effect of Micro RNA-214 in Modulating Chemo Resistance/Sensitivity in Cervical Cancer

f) Quinacrine and Silver based hybrid nanoparticle caused apoptosis in Oral cancer stem cells by inhibiting induction of base excision repair pathway

g) Role of Estrogten-related recitor @ (ERRa) in epithelial mesenchymal transition and metastasis of breat cancer

h) Olaparib (AZD2281) a PARP inhibitor and curcumin synergisticallyinduces apoptosis in oral cancer stem cells by inhibiting the DNA repaircascade

i) Validation of anti-cancer activity of Phytochemicals from traditional herbal healing practices

j) Analysis of CART Cell therapy as a living drug for the treatment of hematologic cancer

k) Multpronged Approached for Clinical Assesment of Novel Curcumin Formulations as Drugs for breast cancer therapy

l) Study on estrogen receptor alfa (ER-a) in breast cancer patients with reference to local population

SDG 11: Sustainable Cities and Communities:

- Social determiners of water Inequity:-A systematic investigation at Bhubaneswar.

- Natural Disaster and Vulnerability: An Empirical Study in Drought Prone Region of Western Odisha.

- An Assessment of Central and State Water Laws Address Water Management Problems of Mid-sized Cities: A Case Study at Bhubaneswar.

- Intervention of Use of Technology in Government Sponsored ICDS

SDG8: Decent work and Economic Growth

- Impact of Dynamic Capability on Success of Entrepreneurs: A Study of Small and Medium Manufacturers in Odisha.

- Service Quality Dimensions :-An Assessment of Government Sponsored Social Programmes

- SDG 6: Clear water & Sanitation: Project on Sanitation

a. Toilet Stories from a Coastal Village of Odisha:-A Participatory Study of Sanitation and Social Change in

collaboration with Mahatma Gandhi National Council of Rural Education:

b. Relationship between household sanitation and woman's experience of menstrual hygiene under Swachha Bharat Mission (Clean India Mission) in Odisha, in collaboration with ICSSR.

Appendix II:

- **List of major Conferences/ Seminars conducted in the relevant topics:**
  - Management Conclaves in Finance and Marketing is organized on a regular basis
  - Biotech - Industry Conclave is organized annually
  - Workshop on Gender Equity and Inclusion: Transformative Pathways in Higher Education Organized by KISS and KIIT Deemed to be University in association with Women in Security, Conflict Management and Peace (WISCOMP)Supported by Public Affairs Section, U.S Embassy, New Delhi held from 27-30.11.2019

- International Workshop on Clinical Research Ethics held from 15-16.11.2019.
- Talk on 'SDG 6 (Sustainable Development Goals) from a gender lens' was organized on 08.08.2019
- Seminar Series on Organizational Theory "Integrating professional values for future careers" & "Augmented Leadership" held on 08.08.2019.
- National Conference on Revitalization of Indigenous Languages: Issues & Challenges held from 12-14.07.2019
- A Lecture on Climate Change by Mr.   Asher Minns, Executive Director, Tyndall Center for Climate Change Research, Norwich, UK was organised on 06.03.2019
- Entrepreneurship Awareness Camp (EAC), held from 08-02-2019 to 12-02-2019
- National Seminar on the theme "Future India- Science & Technology" held from 01-02-2019 to 02-02-2019

- International Seminar on "Crime and Criminal Justice in Recent Times : Issues of Concern" held from 19-01-2019 To 20-01-2019
- National Workshop on Geo Technical Investigation and Soil Testing (27.01.2018-28.01.2018)
- Public Relations Summit (20-04-2019)
- Symposium on the Jurisprudential trends in Right to Privacy (04.11.2017)
- "Road to Global Entrepreneurship Summit 2017(22.11.2017)
- An International Seminar on International commercial arbitration: a boost for world trade (26.11.2017)
- National conference on Communication for Social change, Development and Empowerment in Rural India (04.12.2017-05.12.2017)
- Workshop on " Mystery of Science"Organised in collaboration with Indian Association of Nuclear Chemists & Allied Scientists- Eastern Region Chapter(IANCAS-ERC), Institute of Physics(IOP), Bhubaneswar (03.01.2018)
- International Interdisciplinary Conference on Humanitarian Technology organized in collaboration with Metropolitan State University of Denver and University of Pécs (15-17.12.2016)
- Training of Sarapanches & Panchayat Executive Officers of Balianta & Balipatana block for Financial Management of Gram Panchayat.
- Promoting Women leadership (DISHA) Training programme for Women Sarpanches of Odisha

Appendix III: Youth empowerment programmes conducted during 2018-19

Sl No	Name of the Project	Name of the Client/ Sponsoring Agency	participants
1	Suryamitra Skill development prg.	NISE, Ministry of New & Renewable Energy, Govt of India	90
2	Barefoot Training (BFT)	State Institute of Rural Development(SIRD), & Panchayati Raj & Drinking Water Department, Govt. of Odisha	140
3	DDU-GKY Training Programme	ORMAS & MORD, GOI.	3600
4	CRR Training Programme	Department of Public Enterprises Ministry of Heavy Industries & Public Enterprises, Govt. of India	865
5	2 years Industrial Training	Mahanadi Coal Fields Limited, Burla	201
6	Schooling & Skilling Programme	Mahanadi Coal Fields Limited, Burla	324
7	Industrial training (ITI)	Rourkela Steel Plant	54
8	Industrial training (ITI)	NALCO, Bhubaneswar	09
9	Industrial training (ITI)	HINDALCO, Hirakud,	50
10	Skill Development Training Programme	OSFDC Ltd., SC & ST Dept., Government of Odisha	370
11	leadership development program on21st. century leadership & personality development	Ministry of Education,Royal Govt. of Bhutan	03
12	Training on Cable Jointing for BPCL	Bhutan Power Corporation limited, Bhutan	10
13	Training on Energy Audit for BPCL	Bhutan Power Corporation limited, Bhutan	12
14	Transactional Analysis for Org. effectiveness	NALCO, Bhubaneswar	25
15	Emotional Intelligence	Aditya Birla, Rayagada	30

	&Transactional Analysis for Org. effectiveness		

Total Skilled (in nos.) during the period: 5783,

placed students: 5381

Appendix IV

Centres of Excellence established and working on SDGs:

1. Center of Excellence for Sustainability and Equity
   a) Working towards awareness of different SDGs, collaboration with National, International Government, NGOs and corporate to frame policies and decide on plan of action to meet the goals.
   b) Relevant SDG: SDG17

2. IBM Center of Excellence
   a) Working towards development of software solutions related to student projects, and conducting training programs for students of the region for providing hands on trainings related to coding required in the IT industry thereby augmenting their employability.
   b) Relevant SDG: SDG 4, 10

3. SAP Center of Excellence
   a) Automation of University tasks , collection and analysis of data related to Finance , material management, human resource and student lifecycle as a part of University innovation; providing training on Business Integration and ABAP (open to all) to create awareness and impart skills on automations performed through SAP. This is again expected to augment the employability skills of the participants leading to reduced inequality.

   b) Relevant SDG: SDG 4,9,10

4. IoT Center of Excellence
   a) Application of IoT in integration of data and services that will lead to sustainable cities and infrastructure development; training provided to students (open to all) impart basic fundamentals of IoT with capstone projects.
   b) Relevant SDG: SDG 4,11

5. NI Center of Excellence
   a) Training to students on the basic and advanced knowledge of National Instruments' LabVIEW software and peripheral systems to carry out quality projects in cutting edge areas in industry.
   b) Relevant SDG: SDG 4

6. Interdisciplinary Center of Energy with special reference to Renewable Energy
   a) Projects and research associated with solar energy, thin film photo-voltaics, and wind energy are being conducted.
   b) Relevant SDG: SDG 7

7. Tech Mahindra Design Laboratory
   a) Advanced training on automobile technology and projects for students and researchers.
   b) Relevant SDG: SDG 4

8. Center of Excellence for Space Science
   a) Working on Geographical Information Systems with the help of space technology to identify issues in farmlands and undertake suitable endeavors. This is oriented to help the agricultural sector leading to economic growth and decent life for related stakeholders.
   b) Relevant SDG: SDG 8

9. MSME Center of Excellence
   a) Promotion of entrepreneurship and supporting entrepreneurial endeavors. This is aimed for creation of more employments and decent life for the stakeholders.
   b) Relevant SDG: SDG 8

10. Siemens Laboratory
    a) The objective of this Center of Excellence is to impart project based training of PLM software tools for cutting edge technology enabled students.
    b) Relevant SDG: SDG 4

11. Interdisciplinary Research Center in Materials and Nano-Sciences
    a) Advanced research in the domain of materials and nano-sciences are being carried out.
    b) Relevant SDG: SDG 9

12. TBI-NIDHI Center of Excellence
    a) It is acting as a local monitoring committee for consideration of proposals, monitoring the progress and taking appropriate decisions on continuation of funding support to the projects.
    b) Relevant SDG: SDG 9

13. Center of Excellence in Translational Research Program on Gastrointestinal bacteria pathogens
    a) Advanced Research Program on Gastrointestinal bacteria pathogens.
    b) Relevant SDG: SDG 3

14. Schneider Lab
    a) Focuses on automation system and smart energy management. This lab also gives a platform to have hands on experiences on emerging technologies and build skills of real world among students and researchers.
    b) Relevant SDG: SDG 4, 9

15. Center of Excellence of Water
    a) Studies Gathering, measuring and analyzing data on availability of clean water and sanitation; advanced research on providing clean water at affordable cost from naturally available resources.
    b) Relevant SDG: SDG 6

16. Center of Excellence for Rare Earth Materials
    a) Advanced research on the properties of rare earth materials available particularly in the state of Odisha, study of their characteristics and their potential use in industrial applications.
    b) Relevant SDG: SDG 4,9

17. Center of Excellence for Automotive Mechatronics
    a) Provides advanced diploma in advanced mechatronics creating skilled technicians for the automobile industry.
    b) Relevant SDG: SDG 4,10

18. Center of Excellence in Occupational Safety and Health
    a) Established in association with BG-BAU Germany, BG-ETEM Germany and Indo-German Focal Point India, this center is working towards safety and generation of health awareness for the laborers working in organized and unorganized sector.
    b) Relevant SDG: SDG 3

19. KIIT-DU –Acer Center of Excellence
    a) Projects, automation and software based research and solutions around artificial

intelligence and virtual reality are being carried out.

b) Relevant SDG: SDG 9

20. Boeing Center

a) Capacity Building for University students, faculty and early stage startups to transform plans into practical and possible business ventures with the capability to take the Indian aerospace and defense to the next level and help scale greater heights in future.

b) Relevant SDG: SDG 9

21. Bosch Center of Excellence

a) Advanced research on robotics and automation of jobs are being carried out.

b) Relevant SDG: SDG 4,11

22. Technology Enabling Center

a) Capacity building for engineering/medicine & science students (of Odisha) to build innovative projects leading to new product & process development, IP & Tech transfer activities.

b) Relevant SDG: SDG 4

23. Technology Transfer Office

a) Building Capacity of East & Northeast regions bio-incubators and biotech institutions of India including AMTZ, Visakhapatnam on IP & Tech transfer activities.

b) Relevant SDG: SDG 4

24. Fintech Center of Excellence

a) Software solutions to automate and speed up financial transactions.

b) Relevant SDG: SDG 8