

EQITY ACTION PLAN

TEQIP – III

Government College of Engineering

Kalahandi, Bhawanipatna

2017-2020

GOVERNMENT COLLEGE OF ENGINEERING, KALAHANDI, BHAWANIPATNA

(A Constituent College of BPUT, Rourkela)

Government College of Engineering, Kalahandi was established in the year 2009 by an act of Govt. of Odisha and is functioning as a constituent college of BPUT, Odisha. The institute is located at the district headquarter of Kalahandi, i.e. Bhawanipatna. The following academic programmes are available at GCEK, Bhawanipatna

S.N	Title of Program	Level(UG,PG,PhD)	Duration	Year of Starting	AICTE Sanction intake
1	Civil Engineering	UG	4 Years	2009	60
2	Computer Science & Engineering	UG	4 Years	2009	60
3	Electrical Engineering	UG	4 Years	2009	60
4	Mechanical Engineering	UG	4 Years	2009	60 Increased from 60 to 120 2015-2016
5	M.Tech(Power System Engineering)	PG	2 Years	2015	18 (State Govt. Approved)
6	M.Tech(Thermal Engineering)	PG	2 Years	2015	18 (State Govt. Approved)

Equity Action Plan Activity

A. EAPA 1.

Activity:-To identify students who will require more academic support

Sub-Activity/Action: - A committee of five (05) members from basic sciences and humanities /communication / English/ has been constituted.

1. Dr. Priya S. (Head, Humanities) – Head of the Committee.
2. Dr. L.P.Panda (Dept. of Humanities)
3. Dr. S.Pattanaik (Dept. of Humanities)
4. Dr. Bijaya Kumar Debnath (Dept. of Basic Sc., TEQIP faculty)

5. Mrs. Anuradha Gupta (Dept. of Basic Sc., TEQIP faculty)

The committee was formed with five faculty members for setting the question papers based on basic pre-requisite for studying in engineering. The 1st assessment test for all the 1st year students have conducted in the first week of December 2018. From that test, the committee identify the weaker students whose score below 60%. The second assessment was conducted in the month of March 2019. Students scoring below 60% in 2nd assessment will also likely require additional support.

1. **Co-ordinator:-** Dr. Priya S. (Head, Humanities) – Head of the Committee
2. **Executing Agency:-** GCEK
3. **Date & Duration:-** 1st week of December **2018**
4. **Frequency:-** One test series will be conducted in each semester
5. **Indicator to measure Outcome:-** Those students scoring below 60% marks, another test series have been conducted for the weaker students

These proficiency modules are also a part of **Induction Training programmes**

1. Induction Training Programme cell Coordinator **Dr. R K Swain**
2. Induction Training Programme conducted from **(17-08-18 to 31-08-18)**
3. This programme have conducted once in a year beginning of the session
4. Percent of students transiting from First to Second year with all first year courses passed
5. Estimated Cost of Induction Training Programme:- **Rs 3,65,394/**

B. EAPA 2

Activity: - To improve English competency level, soft skill and confidence level

Already setup an English language lab in the college, where the improvement of English knowledge has developed through taps and work books. At present one Faculty named Dr. Priya S. and a lab assistant are looking after the class and lab works for the students. Dr. Priya S. is conducting the tutorial classes. English tutorials, covering grammars have regularly conducted using this lab

1. **Co-ordinator:-** Dr. Priya S. (Head, Humanities) – Head of the Committee
2. **Executing Agency:-** GCEK
3. **Date & Duration:-** First Semester Students

4. **Frequency:-** Continuous evaluation Process
5. **Indicator to measure Outcome:** - For betterment of writing technical papers, tenders, expression of interest etc. Better transition rates for first and second year students

C. EAPA 3

Activity: - To improve employability skills including soft skills, communication skills and presentation skills.

Employability skill training provider asking delivery of extra classes for students who may require them easily accessible classes (taking into account student schedules) in the language lab

1. **Co-ordinator:** - **Dr. G.C.Behera** is in charge of Employability skill training. He is taking effort in imparting employability training for the students
2. **Executing Agency:-** GCEK
3. **Date & Duration:-** 1st phase 29-10-18 to 3/11/18 and 2nd phase will start after 10th December 2019
4. **Frequency:-** Continuous evaluation Process
5. **Indicator to measure Outcome:-** Better job placement facilities for the student

D. EAPA 4

Activity: - Up-gradation of domain knowledge for under-qualified teachers

We are persuading to enroll faculties every year at nearby QIP center for qualification up-gradation and to enroll in full-time Ph.D. programme. To give opportunities for few faculty members to enroll Ph.D. programme through part time basis

6. **Co-ordinator:-** Principal
7. **Executing Agency:-** GCEK
8. **Date & Duration:-** July
9. **Frequency:-** Yearly
10. **Indicator to measure Outcome:-** For 2017-18 session 1(one) faculty enrolled in Ph. D. for 2018-2019 session 4(four) faculties enrolled in Ph. D. programme through QIP. For 2018-2019 session 1 (one) faculty enrolled

E. EAPA 5

Activity:-Faculties are deputed to seminars, conferences, workshops, Professional Developing Training (PDT) and presentation of research papers- expenses borne by the TEQIP.

Conducting work shop, seminar and conference for students and faculties

1. **Co-ordinator:-** Dr. K C Panda
2. **Executing Agency:-** GCEK
3. **Date & Duration:-** Throughout the year
4. **Frequency:-** Yearly
5. **Indicator to measure Outcome:-** Work shop-14; Symposium-1; PDT-5; Conference-03; Training the trainers – 06; Conference to be present-04 ; Seminar-1 ;National Conference-1; Work Shop - 2

F. EAPA 6

Activity:- Training of teachers in subject matter and pedagogy, particularly to improve the performance of weak students/ transgender students.

Training Needs Analysis (TNA) carried out by external expert for all teachers to understand the skills required to effectively teach to different learning styles.

- A. **Co-ordinator:-** Dr. K C Panda
- B. **Executing Agency:-** GCEK
- C. **Date & Duration:-** Every Six Months
- D. **Frequency:-** Yearly
- E. **Indicator to measure Outcome:-** Percent of planned training completed as reported/ aggregated 6 monthly

G. EAPA 7

Activity: - Conduct awareness programmes for teachers of the institute about the approaches to teaching, evaluation procedures, etc., which they should address in the case of students, etc. – We are conducting for the faculties continuously

1. **Co-ordinator:-** Dr. L.P Panda
2. **Executing Agency:-** GCEK
3. **Date & Duration:-** Throughout the year
4. **Frequency:-** every six month
5. **Indicator to measure Outcome:-** Percent of planned training completed as reported/ aggregated 6 monthly.

H. EAPA 8

Organize domain training on the basis of link up with industry to keep abreast of cutting edge technology – *We are doing it*

1. **Co-ordinator:-** Dr. G,C Behera ,Training Placement Officer.
2. **Executing Agency:-** GCEK
3. **Date & Duration:-** Throughout the year
4. **Frequency:-** every six month.

I. EAPA 9

Activity: - Make campuses physically and socially gender-friendly, including provisions for students of transgender; especially provide adequate and suitable facilities to women students and faculty

We are having a Students Grievance Cell & Women's Cell & Building Construction Committee. The various committee are looking to all these issues and review from time to time to enhance the facilities in the campus

1. **Co-ordinator:-** Dr. Priya S, Woman cell
2. **Executing Agency:-** GCEK
3. **Date & Duration:-** At the time of IDP and actions implemented as proposed

4. **Indicator to measure Outcome:** Institutions to provide descriptive reports of actions taken including number of beneficiaries.

J. EAPA 10

Activity:-Hold innovation and Knowledge Sharing Workshops yearly to improve knowledge sharing. Institute invites external experts from different institute for sharing their experience and ideas. The SPIUs in association with the institutions to organize thematic workshops – *We will request to SPIU to conduct such workshops.*

1. **Co-ordinator:-** Coordinator different for different programme
2. **Executing Agency:-** GCEK
3. **Date & Duration:-** Through the Year
4. **Frequency:-** Yearly
5. **Indicator to measure Outcome: Workshop organized -2**

K. EAPA 11

Activity:-Sharing information and knowledge about engineering courses and institutions

A committee is constituted with the five members. The committee will visit and organize camps at the school in the rural areas to share information and knowledge about engineering education. Students from the third and final year will be identified to participate in these camps. Discussions will be held on the various issues such as preparation for entrance exams and the requirement, scholarships available, and future prospects to encourage students from the rural areas

1. **Co-ordinator:-** Dr. L P Panda (Dept. Of Humanities, Head of the Committee)
2. **Executing Agency:-** GCEK
3. **Date & Duration:-** Not yet started
4. **Frequency:-** Yearly
5. **Indicator to measure Outcome:** Increased number of students from the rural areas, especially girls

L. EAPA 12

Activity: - Provide appropriate infrastructure for physically challenged students

A committee is constituted

1. Dr. K.P.Sethy, Dept. of Civil Engg.
2. Mr. S.K.Dash, Dept. of Electrical Engg.
3. Mr. Ankur Tiwari, Dept. of Mech. Engg.
4. Mr. S. Raiguru (3rd Sem, ME) Students Representative

Committee will prepare a report providing requirement of facilities like ramps, lifts, toilets (separate for male and female students and faculty), Braille signage and auditory signals, tactile flooring, etc

1. **Co-ordinator:-** Prof. K C Panda, Building works committee
2. **Executing Agency:-** GCEK
3. **Date & Duration:-** Throughout the year
4. **Frequency:-** As required
5. **Indicator to measure Outcome:** For increasing disabled students due to improved facilities

M. EAPA 13

Activity:-A two-tier grievance redress mechanism (GRM)

To Introduce and publicize widely, a grievance redress mechanism (GRM) committee at the institution level formed. The committee is constituted with 4-5 members consisting of one female member.

1. Prof. K.C.Panda Dept. of Civil Engg. (EAP coordinator)
2. Dr. P.K.Muduli, Dept. of Civil Engg. (Grievance Redressal Officer)
 1. **Co-ordinator:-** Prof. K C Panda, Building works committee
 2. **Executing Agency:-** GCEK
 3. **Date & Duration:-** Started
 4. **Frequency:-** Continuous
 5. **Indicator to measure Outcome:** Placing GRO Number of complaints received and time taken to address grievances

N. EAPA 14

Activity:-Ensure that institutional mechanisms to protect and address the needs and concerns of women students are established

A gender committee is existing in the institution to look after the different gender related issues. We have circulated the hotline (telephone) and email address where students/faculty may lodge issues. The counseling process is followed to needy female students / staff

1. **Co-ordinator:-** Dr. Priya S, Woman cell
2. **Executing Agency:-** GCEK
3. **Date & Duration:-** Started
4. **Frequency:-** Continuous
5. **Indicator to measure Outcome:** Establishment of gender committee
Improved students' performance due to counseling

O. EAPA 15

Activity: - Peer Learning Groups of students

To develop Peer Learning Groups of 10-12 students. (from diverse academic backgrounds/levels/genders/social background), for joint study and joint projects (faculty to be the resource person). – **Initiate the process**

1. **Co-ordinator:-** Prof. K C Panda
2. **Executing Agency:-** GCEK
3. **Date & Duration:-** Initiate the process
4. **Frequency:-** Continuous
5. **Indicator to measure Outcome:** Improvement in student's performance / better marks / improved transition from first to second year

P. EAPA 16

Activity: - Appointing Student Mentors and Faculty Advisers for Students

Already 10 nos. of faculty advisor committee constituted for each 15 students .Senior student mentor for junior student yet to be started

1. **Co-ordinator:-** Prof. L.P Panda
2. **Executing Agency:-** GCEK
3. **Date & Duration:-** Started
4. **Frequency:-** Continuous
5. **Indicator to measure Outcome:** Satisfactory progress in implementation of the proposed activities and achievement of targets, based on the reports received from the mentors

