

**TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (PHASE - III)**

**Format- Equity Action Plan**

**Name of Institute: PARALA MAHARAJA ENGINEERING COLLEGE, SITALAPALLI, BERHAMPUR**

**Details of EAP coordinator (Name, Email Id, Phone no): SAGAR KUMAR MURMU, Email: [murmusagar@gmail.com](mailto:murmusagar@gmail.com), Phone no: 9668182892**

SL NO	ACTIVITY	SUB ACTIVITY/ ACTION	COORDINATOR	EXUCUTING AGENCY	DATE AND DURATION	FREQUENCY	INDICATOR TO MEASURE OUTCOME	ESTIMATED EXPENDITURE
1	Diagnosing Student Weaknesses and Continuous Tracking of Performance	<ul style="list-style-type: none"> <li>▪ Diagnostic tests on Physics ,Chemistry, Mathematics and English</li> <li>▪ Remedial classes for weak students are arranged before 1month of end semester examinations</li> <li>▪ Bridge course by result analysis</li> <li>▪ Invited expert Lectures from industry or educationalist from NIT/IIT</li> <li>▪ Providing facilities for NPTEL VIDEO and E BOOKS</li> </ul>	All HOD	Internal faculty members, HOD and Institute	<ul style="list-style-type: none"> <li>▪ Diagnostic test 5th January 2019</li> <li>▪ Remedial classes. 01st April 2019 for two weeks</li> <li>▪ Bridge courses are arranged at the end of summer vacations 20<sup>th</sup> June 2019 for 2 weeks</li> <li>▪ Industrial lectures of 1-2 hrs are usually arranged as per the requirement of a particular theory or Lab. during the course of semester</li> </ul>	As per the requirement in a semester	30 percent improvement in transition rate from one year to subsequent year	Rs 70,000/-
2	To improve language competency, soft skills and confidence levels	<ul style="list-style-type: none"> <li>▪ English for professional skill Development are arranged at the beginning of the semester</li> <li>▪ Motivational</li> </ul>	Dr. M Chhotray Asst. Prof	Universal Education, J P Nagar, 6th phase, Bangalore, & P MEC	15 <sup>th</sup> February 2019	Twice a year	30 percent improvement in the result of test conducted at end of year compared to base line test	RS 1,00000/-

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		classes <ul style="list-style-type: none"> <li>▪ Short-term Course on improvement of English Skills</li> </ul>						
3	improve non-cognitive and soft skills including communication and presentation skills	<ul style="list-style-type: none"> <li>▪ Group Discussion</li> <li>▪ Personal Interview</li> <li>▪ Career Skills</li> <li>▪ Communication Skills</li> <li>▪ Leader Skills</li> <li>▪ Team Skills</li> <li>▪ Quantitative Aptitude</li> <li>▪ Reasoning Verbal</li> <li>▪ Presentation skill</li> </ul>	Dr. M Chhotray Asst. Prof	Universal Education, J P Nagar, 6th phase, Bangalore, & P MEC	20 <sup>TH</sup> January 2019 ONE weak	Twice a year	20 percent improvement in placement compared to that in previous year.	RS 1,00000/-
4	Special efforts for training/ internship/ placement of weak students	<ul style="list-style-type: none"> <li>▪ Training for weak SC/ST students</li> <li>▪ Training and live project for weak students</li> <li>▪ Additional pre placement training</li> </ul>	<ul style="list-style-type: none"> <li>▪ Pravat Mohanty, Asst. Prof., Dept. of Electrical Engg</li> <li>▪ Dr. Chitrasen Samantaray Asst. Prof. Department of Production Engineering</li> </ul>	<ul style="list-style-type: none"> <li>▪ Universal Education, J P Nagar, 6th phase, Bangalore,</li> <li>▪ Fragrance &amp; Flavour Development Centre (Ministry of MSME, Govt. of India), Berhampur, Ganjam</li> <li>▪ CTTC, Bhubaneswar</li> </ul>	<ul style="list-style-type: none"> <li>▪ For training of sc/st students (January 1st week. June 1st week and December 1st week 2019)</li> <li>▪ for training and live project throughout the semester</li> <li>▪ for pre placement training for one week</li> </ul>	Three times a year  Twice in a year  Twice in a year	20 percent improvement in placement compared to that in previous year.	Rs 150000/-
5	Training of teachers in subject matter and pedagogy, particularly to improve the performance of weak students	<ul style="list-style-type: none"> <li>▪ Active learning programme</li> <li>▪ Professional development training</li> <li>▪ Short term course</li> </ul>	Dr Puspanjali Mishra Asst. Prof & Academic coordinator	Institute	One week	As per requirement	30 percent improvement in transition rate compared to that in previous year.	Rs 50,000/

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6	Make campuses physically and socially gender-friendly; especially provide adequate and suitable facilities to women students and faculty	<ul style="list-style-type: none"> <li>▪ Provision of separate toilet for girls and female faculty in college campus.</li> <li>▪ empowerment and awareness programme</li> <li>▪ Self defence training for women</li> <li>▪ Ensuring a policy on discrimination and harassment</li> <li>▪ Counseling facility to needy female students / staff</li> </ul>	Dr. S Panda Asst. Prof	Institute	<p>-----</p> <ul style="list-style-type: none"> <li>▪ January 3rd week 2019 for one day for awareness and training program</li> </ul>	<p>-----</p> <ul style="list-style-type: none"> <li>▪ Twice in a semester</li> </ul>	Improvement in feedback rating of women taken at end of year	Rs 20000/-
7	Innovation and knowledge sharing	<ul style="list-style-type: none"> <li>▪ Seminar on technology, innovation policy initiative and entrepreneurship development</li> <li>▪ Short term course for students</li> <li>▪ Technical exhibition and live project exhibition</li> </ul>	Debashish Mohapatra Coordinator , Start Up cell and Dr. Jr Mohanty coordinator Entrepreneurship Development cell	Institute	<ul style="list-style-type: none"> <li>▪ 30th to 31st January 2019</li> <li>▪ March 2<sup>nd</sup> week 2019 for one day</li> <li>▪ March last week 2019 for 3days</li> </ul>	Once a year	Increase in No of students participating in subsequent programs.	Rs 150000/-
8	Sharing information and knowledge about engineering courses and institutions	<ul style="list-style-type: none"> <li>▪ Sharing knowledge about the use of computer and its benefits in institute adopted village school,Sitalapalli by student volunteers</li> <li>▪ Camp at Govt. ITI College, BERHAMPUR</li> </ul>	Dr C R Mallick Asst. Prof	Institute	<ul style="list-style-type: none"> <li>▪ Each month of the year( in adopted village)</li> <li>▪ February 2nd week 2019 for 2 days</li> </ul>	<p>Twice a month</p> <p>Twice a year</p>	<p>No of students benefited &amp; 30%</p> <p>Improvement in the performance of students compared to base line test conducted</p>	Rs 10,000/-
9	Career Counselling & Placement	<ul style="list-style-type: none"> <li>▪ Career Guidance Sessions</li> <li>▪ Career Counselling</li> </ul>	Dr. Raghunandan Swain, T&P Coordinator	T&P Committee(Internal ) & Career	<ul style="list-style-type: none"> <li>▪ Career Guidance Sessions: Twice a year for 3rd Year</li> </ul>	<ul style="list-style-type: none"> <li>▪ Career Guidance Sessions:</li> </ul>	<ul style="list-style-type: none"> <li>▪ 20% Percentage of</li> </ul>	<ul style="list-style-type: none"> <li>▪ Career Guidance Sessions:</li> </ul>

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		<ul style="list-style-type: none"> <li>Sessions</li> <li>▪ Campus recruitment drive</li> <li>▪ Organisation of Job Fair</li> </ul>		Consultancy Agencies( External)	<ul style="list-style-type: none"> <li>students 15<sup>th</sup> march 2019 for 2dyas</li> <li>▪ Career Counselling Sessions: Twice a year for 2nd &amp;3rd year students 17<sup>th</sup> march 2019 for 1 day</li> </ul>	<ul style="list-style-type: none"> <li>Twice a year for 3rd Year students</li> <li>▪ Career Counselling Sessions: Twice a year for 2nd &amp;3rd year students</li> <li>▪ Organisation of Job Fair: Once a year</li> </ul>	<ul style="list-style-type: none"> <li>Placement improvement</li> <li>▪ 20% Percentage of student pursuing higher study/ research work</li> </ul>	<ul style="list-style-type: none"> <li>Rs 10,000/- per session</li> <li>▪ Career Counselling Sessions: Rs 10,000/- per session</li> <li>▪ Organisation of Job Fair: Rs40,000/-</li> </ul>
10	Skill Enhancement Courses	<ul style="list-style-type: none"> <li>▪ Technical software Training(STADPR O, VLSI, AUTOCAD, CATIA , SOLIDWORKS, ANSYS, PLC)</li> <li>▪ Training for operation of Advanced Machine Tools(CNC)</li> <li>▪ Training on Industrial Manufacturing Process( PCB Fabrication, Microcontroller Fabrication, Mould and Die Making)</li> </ul>	Dr. Chitrasen Samantaray , Asst.prof. Department of Production Engineering	CTTC, Bhubaneswar	30 hours for training & 30 hours for hands on practice in each semester  15 <sup>th</sup> January 2019	twice a year	Number of student enrolled & certified	Rs 200000/-
11	Provide appropriate infrastructure for physically challenged students	<ul style="list-style-type: none"> <li>▪ Appropriate infrastructure in toilets in both college academic block and hostels</li> </ul>	Jagdish Mallick Asst professor Incharge of Establishment & Maintanace	Institute	-----	-----	Total no of beneficiaries	Rs 50,000/
12	A two tier grievance redress mechanism (GRM)	<ul style="list-style-type: none"> <li>▪ Formation of student grievances coordinator</li> <li>▪ Analysis of the</li> </ul>	Sagar Kumar Murmu Asst. Prof and Grievance	Institute	In every 15 days	Continuous	No of problems/grievances solved	Rs 20000/-

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		<ul style="list-style-type: none"> <li>grievances and their solution</li> <li>▪ Report submission to the institute authority</li> </ul>	Coordinator Department of Mechanical Engineering					
13	Peer Learning Groups of students	<ul style="list-style-type: none"> <li>▪ Formation of group of 5 students from each department</li> <li>▪ Giving assignment as seminar/ presentation on specific subject and academic skill.</li> <li>▪ Evaluation by internal faculty</li> <li>▪ Submission of evaluation report to their respective HOD.</li> </ul>	All HOD	Institute	Throughout the year	Continuous	30 percent improvement in transition rate from one year to subsequent year	Rs 20000/-
14	Appointing Student Mentors and Faculty Advisers for Students	<ul style="list-style-type: none"> <li>▪ Appointment of Faculty Advisor for every 15 students</li> <li>▪ Counselling by Faculty Advisor on Academic, Financial and Social issues and their remedial measures</li> <li>▪ Organisation of motivational &amp; counselling session by invited experts</li> <li>▪ Appointing Student Mentors</li> </ul>	HODs of respective Department	Internal	On Every Wednesday & Saturday	<ul style="list-style-type: none"> <li>▪ Student Counselling &amp; Mentoring by Faculty Advisor: Once a week</li> <li>▪ Motivational &amp; counselling session by invited experts: Once a Semester</li> </ul>	20% improvement in Student attendance & 30% Improvement in transition rate	Rs 3000/- per motivational or counselling session (for invited expert)
15	Special efforts for SC/ST students	<ul style="list-style-type: none"> <li>▪ Formation of sc/st development cell</li> <li>▪ Counselling of students by faculty coordinator</li> </ul>	Sagar Kumar Murmu Asst. Prof Department of Mechanical	Institute	On every Saturday of the week	Continuous	<ul style="list-style-type: none"> <li>▪ No of students benefitted from training</li> </ul>	Rs 50,000/-

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		<ul style="list-style-type: none"> <li>▪ Discussion about their academic, financial, social issues</li> <li>▪ Special training program for improvement in placement, employability and skill</li> <li>▪ Formation of sc/st book bank in library</li> </ul>	Engineering				<p>program</p> <ul style="list-style-type: none"> <li>▪ 30 % improvement in transition rate</li> <li>▪ Improvement report and result analysis of their academic performance</li> </ul>	