MAHARAJA INSTITUTE OF ADVANCED COMPUTING AND RESEARCH

GAMAI, BHUBANESWAR, ODISHA

APPROVED BY AICTE, NEW DELHI AND AFFILIATED TO BPUT, ODISHA (ROURKELA)

MANDATORY DISCLOSURE
AICTE

(UG ENGINEERING PROGRAMME)

"The Information has been provided by the concerned Institution and the onus of authenticity lies with the Institution and not on AICTE."

01. Name of the Institution: - Maharaja Institute of Advanced Computing & Research (MIACR)

Village	:	GAMAI
Taluka	:	JATANI
District	:	KHORDHA
State	:	ODISHA
Pin Code	:	7542054
STD Code	:	0674
Phone No	:	2384608
Fax No	:	2384608
E-mail	:	info@miacr.ac.in

02. NAME AND ADDRESS OF THE TRUST / SOCIETY / COMPANY AND THE TRUSTEES:

NAME OF THE TRUST: **SONY FOUNDATION TRUST**

AT-RAYAGADA ODISHA,

PHONE: 0680-2492440, MOBILE: 9437567525

E MAIL: chairman@miacr.ac.in

03. NAME & ADDRESS OF THE PRINCIPAL: -

Name : **Dr Sarada Prasad Parida**

Adress : **Maharaja Institute of Advanced Computing & Research (MIACR)**
At: Gamai
Po: Gangapada
District: khordha (Odisha)
Pin: 752054

Longitude	: **85.38^0**
Latitude	: **20.49^0**
Telephone No	:9777791901
Fax No.	:0674-2384608
Office hours at the Institution	: 8.30 am to 4.30 pm
E-mail	:principal@miacr.ac.in
Website	:**www.miacr.ac.in**

Nearest Railway station (dist. in Km): Khordha Road – 10km KM

Nearest Airport (dist. in km) : Biju Patanaik International Airport, Bhubaneswar-17 km.

04. Type of Institution : Private-Self
Financed. Category (1) of the Institution : Non-minority.
Category (2) of the Institution : Co-Education.

05. NAME OF THE AFFILIATING BODY: -

Name of the Affiliating Body : BPUT
Address : Rourkela, Odisha
Website : https://www.bput.ac.in

06. Governing Board Members:

1.	Chairman	Sri. Manoj Kumar Palo
2.	Secretary	Mr. Gokul Dev Palo
3.	Principal of the Institution (Member Secretary, Ex-Officio)	Dr. Sarada Prasad Parida, Principal, Ex Officio MIACR Member Secretary, Ex-Officio
4.	Trustee-Member	Mrs. Bhabani Debi Palo
5.	An Industrialist nominated by the Concerned Trust –as Member	Dr Sudhanshu Sekhar Samantaray, Vice-President, M/S- Ratna Infra Pvt. Ltd., Hyderabad
6.	An Educationalist as nominated by the Concerned Trust-As Member	Sri Gopal Rao
7.	An Educationalist as nominated by the Concerned Trust –as Member	Prof. (Dr.) Biranchi Narayan Panda
8.	Nominee of AICTE	To be nominated by AICTE, Eastern Region, Kolkata. *(**We have written to the authority to send the name of the nominee and reply is awaited**.)*
9.	Nominee of Affiliating University	To be nominated by BPUT *(**We have written to the authority to send the name of the nominee and reply is awaited**.)*
10.	Faculty of the concerned Institute- as member nominated by Trust	Dr. Amruta Abhisekh, Professor in Electrical Engineering, MIACR
11.	Faculty of the concerned Institute- as member nominated by Trust	Ms. Sagarika Das Asst. Professor in Electrical Engineering, MIACR

08. Academic Advisory Body:

01) Dr. Amruta Abhishek
02) Prof. Sagarika Das
03) Prof. Gagan Kumar Sahoo
04) Prof. Umesh Prasad Rath

09. GOVERNANCE: -

i) Member of the Board and their brief background: -**SONY FOUNDATION TRUST**

Chairman — **Sri Manoj Kumar Palo**
Patrapada, Bhubaneswar, Dist. Khurdha

Secretary — **Mr. Gokul Dev Palo**
Patrapada, Bhubaneswar, Dist. Khurdha

ii) <u>Governing Body</u>

1. Sri Manoj Kumar Palo - Chairman
2. Mr. Gokul Dev Palo - Secretary
3. Dr. Sarada Prasad Parida - Principal, Ex Officio
4. Mrs. Bhabani Devi Palo - Member
5. Dr Sudhanshu Sekhar Samantaray - Member
6. Sri Gopal Rao - Member
7. Prof. (Dr.) Biranchi Narayan Panda - Member
8. AICTE Nominee - Member (To be nominated)

9. Affiliating University (BPUT) Nominee - Member (To be nominated)

10. Dr. Amruta Abhisekh - Member

11. Ms. Sagarika Das - Member

iii) Frequency of the Board Meetings and Academic Advisory Body: - Twice a year

iv) Organizational chart and process : -Enclosed in **Annexure – I**

v) Nature and Extent of involvement of faculty and students in academic affairs / Improvements: -

01) Academic Information System (AIS) is installed for developing and delivering teaching materials in academic affairs.
02) State of Art Technology is installed for conducting classes to enhance the quality of teaching.
03) Visuals and teaching add on important courses, containing lecturers delivered by eminent professors are procured for the students.

vi) Mechanism / norms & procedure for democratic / good Governance: -

Under the guidance of Trustees, Governing Council, Academic Advisory Body, the day-to-day operations of GATE is managed by Principal with help from HOD's and Faculty members with individual responsibility.

vii) Student Feedback on Institutional Governance/faculty performance: -

Semester wise feedback system, regular faculty development program & faculty appraisal helps for the assessment of the performance of the faculty members.

viii) Grievance redressed mechanism for faculty, staff and students: -

Complaints/Suggestion boxes are available at Open Corridor/Library/Hostels. Student's interaction with Principal and a separate grievance cell meeting on weekly basis to discuss the various day to day issues. Online grievance redressal mechanism is available.

ix) Establishment of Anti Ragging Committee:

Constitution of Anti ragging Committee and Anti ragging squad is formed to look after the in disciplinary activities.

Constitution of Anti Ragging Committee:

Sr. No.	Name & Designation	Position	Contact number
1.	Prof. Gagan kumar Sahoo Asso. Professor	Chairperson	9861464114
2.	Mr. Umesh Prasad Rath Asst. Professor	Vice Chairperson	966898388
3.	Mr. Abhinash Sahu Asst. Professor	Member	7735166394
4.	Ms. Archana Mandal Asst. Professor	Member	7008567834

5.	Mrs. Rajashree Pandia Asst. Professor	Member	8249510065
6.	Mrs. Sammilani Moharana Asst. Professor	Member	7978962193
7.	Mr. Lalat Keshari Champati Asst. Professor	Member	9090444304
8.	Mr. R P Mallia Asst. Professor	Member	7008368257
9.	Mrs. Rahul Singh Asst. Professor	Member	9778179803
10.	Mr. Sanjaya Kar Sr. Tech. Asst.	Member	6371412366

x) Establishment of Online Grievance Redressal Mechanism: Available

1. Dr. Sarada Prasad Parida (Chairperson) 9777791901
2. Prof. Umesh Prasad Rath (Ombudsman)-
3. Prof. Gagan Kumar Sahoo (Convener) 9438430924
4. Prof. Dr Amruta Abhishek 9438217327
(Co-Convenor)-
5. Prof. Sagarika das (Advisor). 6371844571
6. Prof. Rabi Narayan Mishra
7. Prof. Asima Sahoo
8. Prof. R.P Mallia

xi) Establishment of Grievance Redressal Committee: Constituted

1. Dr. Sarada Prasad Parida Principal 9777791901
(Chairperson)
2. Prof. Umesh Prasad Rath (Ombudsman)
3. Prof. Gagan Kumar Sahoo (Convener) 9438430924
4. Prof. Dr Amruta Abhishek 9438217327
(Co-Convenor)
5. Prof. Sagarika das (Advisor) 6371844571
6. Prof. Rabi Narayan Mishra
7. Prof. Asima Sahoo
9. Prof. R.P Mallia

xii) Establishment of Internal Compliant Committee: Constituted

1. Dr Sarada Prasad Parida (Chairperson)
2. Prof Prof. Sagarika Das (Convener)
3. Prof. Amruta Abhishek Co-convenor)
4. Prof. Gagan Kumar Sahoo (Advisor)
5. Prof. Debahuti Panda
6. Prof. Subhashree Pradhan

7. Prof. Abhinash Sahu
8. Prof. Lalat Keshari Champati
9. Prof. R. P. Mallia
10. Prof. Sammilani Moharana
11. Prof. Rajashree Pandia

xiv) Establishment of Committee for SC/ST: Constituted

Constitution of SC/ST Grievance Redressal Cell:			
Sr. No.	**Name & Designation**	**Position**	**Contact number**
1.	Dr. Amruta Abhishek Professor	Chairperson	9937852343
2.	Mr. Abhinash Sahu Asst. professor	Vice Chairperson	7735166394
3.	Mr. R.P Mallia Asst. Professor	Member	7008359769
4.	Mr. Shreeguru Sutar Asst. Professor	Member	7008005080
5.	Mr. Rabinarayan Mishra Asst. Professor	Member	9348217327

xv) Internal Quality Assurance Cell: Constituted

10. PROGRAMMES: -

(i) Name of the Programs approved by the AICTE: -

B. TECH in

1. **Computer Science Engineering -120 Intake**
2. **Mechanical Engineering -60 Intake**
3. **Civil Engineering -60 Intake**
4. **Electrical Engineering -60 Intake**

(ii) Name of the Programs accredited by NBA- NIL

NBA Accreditation Status		
1	Name / List of Programmes / Courses Accredited	Not Accredited
2	Applied for Accreditation	--
	A. Applied but Visit not happened	--
	B. Visit happened but result awaited	--
3	List of Programmes / Courses not applied	UG in Engg. &Technology

Name of the Programs accredited by NAAC- NIL

NAAC Accreditation Status		
1	Accredited	Not Accredited
	Applied for Accreditation	--
	A. Applied but visit not happened	--

2	B. Visit happened but result awaited	--
3	List of Programmes / Courses not applied	UG in Engg. &Technology

(iii) For each Program the following details are given: -

A) **B. TECH: -**

Name	:	B. TECH.
Number of seats	:	300
Duration	:	4 years
Cut of mark/rank for admission During the last three years	:	Centralized counseling conducted by (Qualified students from OJJE & JEE Main.)
Fee	**:**	51,500**/- (per year)**
Placement facilities : Available		
Campus placement in last three Years with	:	N/A
Minimum salary,	:	N/A
Maximum salary	:	N/A
and Average salary	:	N/A
Cut of mark/rank for admission During the last three years	:	Centralized counseling conducted by OJEE

PLACEMENT STATUS:

Sl. No	Name of the Course	Branch	2022-23	2023-24	2024-25	Total No. of students placed during last three years
1.	**B. Tech.**	Mechanical Engineering	N/A	N/A	N/A	new
2.	**B. Tech.**	Civil Engineering	N/A	N/A	N/A	new
3.	**B. Tech.**	Electrical Engineering	N/A	N/A	N/A	new
4.	**B. Tech.**	Computer Science Engineering	N/A	N/A	N/A	new

Name and duration of programme (s) having affiliation / collaboration with Foreign University(s)/Institution(s) and being run in the same campus along with status of their AICTE approval. If there is foreign collaboration, give the following detail.

Note: - (a) None of our programme (s) is having affiliating / collaboration with Foreign University(s) / Institution(s) and none of other programme (s) being run in the same campus along with status of AICTE.

b) Details of the Foreign Institution / University: - No foreign University Collaboration

c) For each Collaborative/affiliated programme give the following: - non-collaboration

d) Whether the collaborative programme is approved by AICTE? If not

whether the Domestic/Foreign Institution has applied to AICTE for approval as required under notification no. 37-3/Legal/2005 dated 16th May, 2005 – Not Applicable

11. FACULTY: -

Sl. No.	Name	Designation	Department	Qualification
1.	Asmita Kumari Nayak	Asso. Professor	Civil	B. TECH, M. TECH
2.	Goutam Ojha	Asst. professor	Civil	B. TECH , M.TECH
3.	Nikhlesh Das	Asst. professor	Civil	B.TECH , M.TECH
4.	Rajashree Pandia	Asst. professor	Civil	B.TECH , M.TECH
5.	Rudra Prasad Mallia	Asst. professor	Civil	B.TECH , M.TECH
6.	Soni Kumari	Asst. professor	Civil	B. TECH , M. TECH
7.	Rajib Lochan Paramguru	Asso. Professor	Comp Sc	B.TECH , M.TECH
8.	Debahuti Panda	Asso. Professor	Comp SC.	B. TECH, MBA
9.	Dibya Ranjan Sahu	Asst. professor	Comp SC.	B. TECH, M. TECH
10.	Himansu Bhusan Sahoo	Asst. professor	Comp SC.	B. TECH , M.TECH
11.	Kasturi Routaray	Asst. professor	Comp Sc.	MSC
12.	Lalat Keshari Champati	Asst. professor	Comp Sc.	B.TECH , MBA , LLB.
13.	Nigamananda Nayak	Asst. professor	Comp Sc.	B.TECH , M.TECH
14.	Nirmal Keshari Swain	Asso. Professor	Comp Sc.	B.TECH , M.TECH
15.	Roma Sahani	Asst. professor	Comp Sc.	B.TECH , M.TECH
16.	Roumya Ranjan Biswal	Asst. professor	Comp Sc.	Bsc , MCA
17.	Satyajit Giri	Asst. professor	Comp Sc.	B. TECH, M.TECH
18.	Subham kumar senapati	Asst. professor	Comp Sc.	B.TECH , M.TECH
19.	Archana Mandal	Asst. professor	Electrical	B. TECH, M. TECH
20.	Dr Amruta Abhisek	Professor	Electrical	B. TECH, M.TECH,PHD
21.	Gagan Kumar Sahoo	Professor / Director	Electrical	B. TECH, M.TECH, PHD*
22.	Jiten Kumar Sahoo	Asst. professor	Electrical	B.TECH , M.TECH
23.	Padmanav Mohapatra	Asst. professor	Electrical	B.TECH , M.TECH
24.	Priyajit Sahoo	Asst. professor	Electrical	B.TECH , M.TECH
25.	Rajesh Hazra	Asst. professor	Electrical	B.TECH , M.TECH
26.	Sagarika Das	Asst. professor	Electrical	B.TECH , M.TECH
27.	Sanjay Kumar Mohapatra	Asst. professor	Electrical	B.TECH , M.TECH
28.	Shreemashree Ashima Sahoo	Asst. professor	Electrical	B. TECH, M. TECH
29.	Subhashree Pradhan	Asst. professor	Electrical	B.TECH , M.TECH
30.	Umesh Prasad Rath	Asso. Professor	Electrical	B.TECH , M.TECH,PHD*
31.	Yadabaswimi Behera	Asst. professor	Electrical	B.TECH , M.TECH
32.	Abinash kumar sahu	Asst. professor	Hum. & sci.	MBA
33.	Basarani Das	Asst. professor	Hum. & sci.	B. TECH, M. TECH
34.	Chinmaya Kandi	Asst. professor	Hum. & sci.	B. TECH, M. TECH
35.	Chittaranjan Sahoo	Assist professor	Hum. & sci.	MSC
36.	Dr B.K Mishra	Professor	Hum. & sci.	PHD
37.	Falguni Bhitria	Asst. professor	Hum. & sci.	MSC
38.	Jagannath R Dash	Asst. professor	Hum. & sci.	MSC
39.	Jayaprakash Majhi	Asst. professor	Hum. & sci.	Bsc , MSC , PHD*
40.	Rabi Narayan Mishra	Asso. Professor	Hum. & sci.	Bsc , Msc
41.	Raja Kishore Pattanaik	Professor	Hum. & sci.	MA , MBA

42.	Samilani Maharana	Asst. professor	Hum. & sci.	BA , MA
43.	Sarbeswar Pradhan	Asst. professor	Hum. & sci.	B.TECH , M.TECH
44.	Satyaranjan Sahoo	Asst. professor	Hum. & sci.	MSC
45.	Shreegurushri Sutar	Assist professor	Hum. & sci.	MSC
46.	Sonali Priyadarshini	Asst. professor	Hum. & sci.	MSC
47.	Soumya Ranjan Rout	Asst. professor	Hum. & sci.	MSC
48.	Swagatika Swain	Asso. Professor	Hum. & sci.	BA , MA
49.	P. Malla Dutta	Asst. professor	Mechanical	B. TECH, M. TECH
50.	Dr. Achutananda Mishra	Professor	Mechanical	B.TECH , M.TECH , PHD
51.	Biramitra Bhanja	Asst. professor	Mechanical	B. TECH, M. TECH,
52.	Biswajit Sahoo	Asso. Professor	Mechanical	B. TECH, M. TECH, PHD*
53.	Dr. Debesh Mishra	Professor	Mechanical	BE, M. TECH, PHD
54.	Dr. Sarada Prasad Parida	Professor, Principal	Mechanical	B. TECH, M. TECH, PHD
55.	Jayanta Kumar Behera	Asst. professor	Mechanical	B.TECH , M.TECH
56.	Kamal Lochan Mohanta	Asst. professor	Mechanical	B.TECH , M.TECH
57.	Little Kumar Samal	Asst. professor	Mechanical	B.TECH , M.TECH
58.	Sankalp Nayak	Asst. professor	Mechanical	B.TECH , M.TECH
59.	Sudarsan Rout	Asst. professor	Mechanical	B.TECH , M.TECH
60.	Swadhin Jena	Asst. professor	Mechanical	B. TECH , M.TECH
61.	Tulu Behera	Asst. professor	Mechanical	B. TECH , M.TECH

(i) **Branch wise list of faculty members:-**

(This institute got its approval on 2023. Since this is its eleventh year's programme, Hence the calculation of Student/ Faculty Ratio should be taken on overall basis.)

No of Faculty	:	61
Visiting Faculty	:	Nil
Adjunct Faculty	:	Nil
Guest Faculty	:	Nil
Permanent Faculty: Student Ratio	:	1:20

(ii) **Number of faculty employed(E) at present for the academic year 2026-27: -**

Sl No	Branch	Professor	Associate Professor	Assistant Prof	Total No. of Faulty
01	Civil Engineering	00	01	05	06
02	Mechanical Engineering	03	01	09	13
03	Electrical Engineering	02	01	10	13
05	Computer Science Engineering	00	03	09	12
06	Basic Science & Humanity	02	02	13	17

12. PROFILE OF PRINCIPAL WITH QUALIFICATION, TOTAL EXPERIENCE, AGE AND DURATION OF EMPLOYMENT AT THE INSTITUTE CONCERNED: -

Name	:	**Dr. Sarada Prasad Parida**
Date of Birth Age	:	10/07/1989
	:	37 yrs
Academic qualifications (with field of specialization)	:	PHD, M. Tech., B.Tech.
Details of Experience (Academic / Industrial)	:	Teaching: 15 Years Research: 1 years
Area of specialization	:	Mechanical System Design & Dynamics, Structural Vibration, Composite Materials
Teaching at Under Graduate Level	:	Mechanical Vibration, Machine Design,
	:	Engineering Mechanics
No of paper published	:	National Journals (11 Nos.) International Journals (23 Nos)
Projects carried out	:	0
Patents	:	04
Technology Transfer	:	NA
Research Publications	:	51 Nos
Date of the appointment in the present institution	:	01/05/2026
	:	
Duration of employment at the Institute concerned	:	Continuing

(ii) For each faculty give a page covering:
Note:- Enclosed in **Annexure – IX**
(***Separate sheet for each faculty in department wise as per format***)

13. FEE:-

(i) Is of fee, as approved by State fee Committee, for the Institution: - For B. Tech:

 First Year: -

Tuition Fee	**40500.00**
Facility Fees	**--**
Placement Training	**2500.00**
Staff and Student Welfare	**3000.00**
Cost of Uniform, Blazer, Tie, Crest, Hanger, T-shirt & Uniform (One time charge)	**3000.00**
Refundable Security Deposit (One time charge)	**2500.00**
Transport	**10000.00**
Total	**61500.00**
Accommodation with fooding	**34000.00**

Hostel

(i) The college has its own hostel for boys and girls. Furniture, electrical fittings, News Paper, Magazines, TV, Telephone, Aqua Guard, Salary to mess staff, doctor ward boys, ad manager, sweepers, scavengers and cost of disinfectants, detergents, acids vacuum cleaning and cost of maintenance of electrical gadgets besides tube lights, fans motor pumps and host of other incidental expenses related to maintenance of hostels are provided to each borderer.

(i) Time scheduled for payment of fee for the entire program: -

Institute is providing two installment process for payment of fees i.e. In the beginning of the academic year and second before commencement of even semester Examination.

(ii) No. of fee waiver granted with amount and name of students: - Nil

(iii) Number of scholarships offered by the Institute, duration and amount: - One

Sl.No.	Name of Scholarship	Duration	Amount
1)	Chairman's Scholarship	One-year	Rs. 3,00,000/-

(iv) Criteria for fee waivers/ scholarship: -

Income certificate of his father or his family member.
On merit basis secured in Diploma Entrance Test (Rank holders) Carrier Meritos students (Academic 10th & ITI)

(v) Estimated cost of boarding and lodging in hostels: -**Rs. 34,000 /- p.a.**

14. ADMISSION: -

(i) **Number of seats sanctioned with the year of approval: -300 seats**

File No with date of first approval: F.No : ERO/AICTE/OR/ET/006/2008-09 Dated : 14/07/2009

Number of students admitted under various categories each year in the last three years: -

SL NO	YEAR	BRANCH	TOTAL INTAKE	TOTAL NO OF ADMITTED STUDENTS
1	2023-24	CIVIL	60	11
		MECH	60	03
		EE	60	02
		CSE	120	19
SL NO	**YEAR**	**BRANCH**	**TOTAL INTAKE**	**TOTAL NO OF ADMITTED STUDENTS**
2	2024-25	CIVIL	60	60
		MECH	60	67
		EE	60	69
		CSE	120	46
SL NO	**YEAR**	**BRANCH**	**TOTAL INTAKE**	**TOTAL NO OF ADMITTED STUDENTS**
		CIVIL	60	75

3	2025-26	MECH	60	97
		EE	60	86
		CSE	120	67

15. ADMISSION PROCEDURE: -

(i) Mention the admission test being followed, name and address of Test Agency and its URL (website): -

- OJEE. (Odisha Joint Entrance Examination), OJEE, Ganda Munda, BBSR, Orissa, https://ojee.nic.in/
- Joint Entrance Examination (JEE), conducted by National Testing Agency. https://jeemain.nta.nic.in/

(ii) Number of seats allotted to different Test Qualified candidates separately (State conducted test/University tests)/ Associated conducted test]: -

- 100% of the total seats is filled through OJEE counseling, Odisha,

Calendar for admission against management/vacant seats: -

a) Last date for request for applications:

As per the guideline of admission rules/procedure prescribed by OJEE (Odisha).

b) Last date for submission of application:

As per the guideline of admission rules/procedure prescribed by OJEE (Odisha).

c) Date of announcing final results :

As per the guideline of admission rules/procedure prescribed by OJEE (Odisha).

d) Release of admission list (main list and waiting list should be announced on the same day):

As the seats are being filled through the central counseling conducted by SAMS (Odisha) the institution has no such list of its own. Details are available at www.jeeodisha.com
As per the guidelines of Industries Department and OJEE (Odisha).

e) Last date for closing of admission : 15th August of every year

As per the guideline of admission rules/procedure prescribed by BPUT, Odisha.

f) Starting of the Academic session : Third week of August of every year

g) The waiting list should be activated only on the expiry of date of main list:

As the admissions are through OJEE central counseling, hence no waiting list is being maintained by the institute.

h) The policy of refund of the fee, in case of withdrawal, should be clearly notified:

The Institute is refunding the fees after receiving seat cancellation letter from the student/parent and the same is communicated to the BPUT as per the guidelines of OJEE, Odisha.

16. A. ELIGIBILITY CRITERIA FOR ADMISSION TO 1ST SEMESTER B. TECH. IN ENGINEERING/ TECHNOLOGY

Sl. No	COURSE	DURATION	ENTRY QUALIFICATION	AGE.
1	1st semester B.tech courses (All Engineering)	4 years	Candidates must have passed class 12th examination from science stream with Physics, Mathematics, Chemistry/Biotechnology, Language and any other subject from recognized board.	Lower age 17 years and Upper age – No bar

B. ELIGIBILITY FOR ADMISSION TO 3RD SEMESTER BTECH IN NGINEERING/ TECHNOLOGY UNDER LATERAL ENTRY

1	Third semester B.tech courses (Lateral admission for eligible branches only)	3 years	Pass in 3 Years Diploma with 60% or its equivalent examination.	Lower age 18 years and Upper age – No bar

10. APPLICATION FORM: -

(i) Downloadable application form, with online submission possibilities: -

- OJEE -Odisha reserves all rights for selling of the application forms.

11. LIST OF APPLICANTS: -

(i) All the applications are received by OJEE., Odisha and the admission is undertaken through central counseling based on OJEE ranks.

- The OJEE, Odisha is maintaining the list. All vacancy seats after round of counseling shall be filled at the college level as per the notification of Department of Skill Development and Technical Education, Govt. of Orissa.

12. INFORMATION ON INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE: -

- Total Area of Class rooms available for B. Tech Engineering Courses with size of each: 1254 Sq. m. 66 Sq. m.
- Total Area of Tutorial Rooms available for B. Tech Engineering Courses with size of each: 165 Sq. m., 33 Sq. m.
- Total Area of Laboratories available for B. Tech Engineering Courses with size of each: 1984 Sq. m. & 66 Sq. m.
- Total Area of Drawing Halls available for B. Tech Engineering Courses with size of each: 132 Sq. m.

- Total Area of workshop available for B. Tech Engineering Courses with size of each: 200 Sq. m.

- Total Area of Additional workshop available for B. Tech Engineering Courses with size of each: 332 Sq. m., 166 Sq. m.
- Total Area of Seminar Halls available for both B. Tech Engineering Courses with size of each: 1 nos & 132 Sq. m.
- Total Area of Computer Centers available B. Tech Engineering Courses with size of each: 150 Sq. m.
- Central Examination Facility, Number of Rooms and Capacity of each: 1 & 75 Sq. m.
- **Barrier Free Built Environment for disabled and elderly persons**: Available

- **Occupancy Certificate** : Procured
- **Fire and Safety Certificate** : Procured

- **Hostel Facility**: Available for both Boys and Girls

  - Number of Classrooms and size of each :- 24 & 66 Sq. m.
  - Number of Tutorial rooms and size of each :- 5 nos & 33 Sq. m.
  - Number of Laboratories and size of each :- 30 nos & 66 Sq. m.
  - Number of drawing halls and size of each :- 01 no & 132 Sqm
  - Number of Computer Center with capacity :- 01 Nos & 150 Sq. m
  - Central Examination Facility :- Available

13. LIBRARY

a) Number of Library books/Titles/Journals available (Programme-wise):-

- Total No. of Volumes available for all Programmes [B.TECH.]: 8010 Nos

- Total No. of Titles available for all Programmes [B. TECH]: 935 Nos

b) List of online National/International Journals subscribed: -

National Journals	**74**
International Journals	**27**

c) E-Library facilities: - Yes Available with MOOCs center.

14. LABORATORY: - List of major Equipment Facilities in each Laboratory/ Workshop

DEPARTMENT OF ELECTRICAL ENGINEERING		
NAME OF THE LAB: ELECTRICAL LAB PRACTICE		
SL NO	**NAME OF THE MACHINE/EQUIPMENT WITH SPECIFICATION**	**EXPERIMENT PERFORMED**
1	Squirrel Cage Induction Motor Phase- 3, Capacity: 5 hp, Volt: 415, Frequency: 50, Amepre:7.7 A, RPM: 1440 Insulation: Class B	Study of Direct On-Line starter, Star-Delta starter, connection and running a 3-phase Induction motor and

		measurement of starting current.
2	Squirrel Cage Induction Motor Phase- 3, Capacity: 5 hp, Volt: 415, Frequency: 50, Amepre:7.7 A, RPM: 1440 Insulation: Class B	Study of Auto transformer starter and rotor resistance starter connection and running a 3-phase induction motor and measurement of starting current.
3	Squirrel Cage Induction Motor Phase- 3, Capacity: 5 hp, Volt: 415, Frequency: 50, Amepre:7.7 A, RPM: 1440 Insulation: Class B	Study and Practice of connection & reverse the direction of rotation of Three Phase Induction motor.
4	Capacity: 1HP, RPM: 1400, Volt 230 Amepre: 5.21 Amp, Phase: 1, Frequency:50 Hz, Capacitor :25µF, Insulation: class F	Study and Practice of connection & reverse the direction of rotation of Single-Phase Induction motor.
5	Capacity: 3 KVA RPM: 1500 Volt: 415 Amepre:4.5 Phase: 3-Ø Insulation: Class B	OC and SC test of alternator and determination of regulation by synchronous impedance method.
6	Capacity: 3 KVA RPM: 1500 Volt: 415 Amepre:4.5 Phase: 3-Ø Insulation: Class B	Determination of regulation of alternator by direct loading.
7	Capacity: 3 KVA RPM: 1500 Volt: 415 Amepre:4.5 Phase: 3-Ø Insulation: Class B	Parallel operation of two alternators and study load sharing.
8	3-phase Wattmeter dynamometer type 5/10 Amp, 150-300-600 volt	Measurement of power of a 3-phase Load using two wattmeter method and verification of the result using one 3-phase wattmeter.
9	Buchholz's relay setup VPL-84	Study of Buchholz's relay.
10	KVA:3, Volt: 115/230	Determine voltage regulation of transformer by direct loading.
11	KVA:3, Volt: 115/230	Parallel operation of Transformers (only single Phase)
12	KW:3 RPM: 1500, Volt: 220, Amepre:10, Exitation:230 V ,	Study different parts of DC Generator.
13	KW:3 RPM: 1500, Volt: 220, Amepre:10, Exitation:230 V,	Run a DC shunt Generator

ELECTRONICS & TELECOMMUNICATION ENGINEERING

SL. NO.	NAME OF THE LAB	NAME OF MACHINE/EQUIPMENT (SPECIFICATION)	EXPERIMENT PERFORMED

5. 1	COMMUNICATION ENGG.-I LAB	AM MODULATION TRAINER KIT, DEMODULATION TRAINER KIT, CRO & FUNCTION GENERATOR.	1. (A) Study of AM transmitter & Detector and observe the waveform at different test point. (B) Determine percentage of Modulation Index of AM. (C) Study of SSB signal & observe The waveform at different section.
		FM MODULATION TRAINER KIT, FOSTER SELEY EMODULATION TRAINER KIT, CRO & FUNCTION GENERATOR.	2. Study of FM transmitter & Detector & observe the waveform at different section.
		DCT TRAINER KIT & CRO	3. Study of sampling theorem & observe the waveform at different section.
		DCT TRAINER KIT & CRO	4. Study of ASK modulator & demodulator & observe the waveform at different section.
		DCT TRAINER KIT & CRO	5. Study of PCM transmitter & receiver & observe the waveform at Different section.
		DCT TRAINER KIT & CRO	6. Study of FSK modulator & demodulator & observe the waveform at different section.
		DCT TRAINER KIT & CRO	7. Study of PSK modulator & demodulator & observe the waveform at different section.
		DCT TRAINER KIT & CRO	8. Study of Delta modulator & demodulator& observe the waveform at different section.
		SUPERHETERODYNE AM RECEIVER & CRO	9. Study of Super heterodyne radio receiver &observe the waveform at different section
		LINEAR DIODE DETECTOR TRAINER KIT & CRO	10. Construct Linear Diode Detector & observe the wave forms.

SL. NO.	NAME OF THE LAB	NAME OF MACHINE/ EQUIPMENT (SPECIFICATION)	EXPERIMENT PERFORMED

1	COMM. ENGG.-II LAB	ANTENNA TRAINER KIT	1.(A) Study the Antenna Trainer for different type of Antenna & find its gain. (B) Draw the radiation pattern & find the characteristics of antenna (Yogi, Horn, Rhombus, Dipole) (C) Draw the waveform of different lobe of different Antennas using antenna trainer
2		MICROWAVE TEST BENCH KIT	2.(A) To study different types of Microwave components. (B) Measurement of microwave power using power meter. (C) Measure VSWR of different types of loads (Matched, Open, Shorted) using Microwave test bench.
3		TRANSMISSION LINE KIT	3. (A) Find the Standing Wave ratio (Open & Short Circuit) & different losses in Transmission line.
4		COLOR T.V TRAINER KIT (SAMSUNG).	4. (A) Study the Block diagram of colour TV receiver and draw the circuit& waveform of different sections. (B) Study the SMPS section and find out load & line regulation. (C) Study the various faults in colour TV.

SL. NO.	NAME OF THE LAB	NAME OF MACHINE/ EQUIPMENT (SPECIFICATION)	EXPERIMENT PERFORMED

1.	ADVANCE COMMUNICATIO N LAB	FIBER OPTIC TRAINER KIT (MODEL VOFT-02)	1. (A) Setting up a fiber optic analog & digital link including source & detector. **(B)** Study of losses in Optical Fiber: **I.** Measurement of propagation loss. **II.** Measurement of bending loss. **III.** Measurement of connector loss. **IV.** How connector loss is affected by fiber and quality. **(C)** Measurement of Numerical aperture. **(D)** Setting of AM, FM, PWM, Modulator & Demodulator using optical fiber kit.
2.		SATELLITE COMM.TRAINER KIT	2. STUDY OF SATELLITE COMMUNICATION TRAINER KIT
3.		MOBILE TRAINER KIT	3. STUDY OF MOBILE COMMUNICATION TRAINER KIT
4.		EPABX TRAINER KIT(VCT-41)	4. STUDY OF DIFFERENT CALL SET-UP USING EPABX TRAINER KIT AND OBSERVE ITS WAVEFORM.
SL. NO.	**NAME OF THE LAB**	**NAME OF MACHINE/ EQUIPMENT (SPECIFICATION)**	**EXPERIMENT PERFORMED**
1.	ANALOG ELECTRONICS-ILAB	Two Stage Rc Coupled Amplifier Trainer Kit,Cro, Multimeter	1. Study the two stage CE amplifier , find Gain & draw the frequency response curve
2.		Push Pull Amplifier Trainer Kit, Cro, Multimeter	2. Construct & test Push Pull amplifier & observe the wave form
3.		CLASS-C TUNED AMPLIFIER TRAINER KIT,CRO,MULTIMETER	3. Construct & Find the gain Class C Tuned Amplifier
4.		FET CHARACTERISTIC KIT,CRO, MULTIMETER	4. Determine Drain & Transfer characteristics of JFET
5.		**(i)** Hartly Oscillator **(ii)** Collpit Oscillator **(iii)** Wein Bridge Oscillator **(iv)** R-C phase shift Oscillator AND CRO, MULTIMETER	5. Construct & calculate the frequency & Draw the waveform.

6.		Differentiator and Integrator KIT,CRO,MULTIMETER	6. Construct & Test Differentiator and Integrator using R-C Circuit.
7.		Transistor Characteristic kit, MULTIMETER, Ammeter, Voltmeter	7. Test Transistor act as an Switch & study its characteristics
8.		Clipper, Clamper kit, CRO, Multimeter	8. Observe the waveform of Clipper, Clamper circuits
SL. NO.	**NAME OF THE LAB**	**NAME OF MACHINE/ EQUIPMENT(SPECIFICATION)**	**EXPERIMENT PERFORMED**
1.	ANALOG ELECTRONICS-II LAB	78xx &79xx ICs KIT, CRO, MULTIMETER	1. Construct and test voltage power supply using 78xx&79xx ICs (+5V, -5V,+9V,-9V)
2.		OPAMP CHRACTERISTIC KIT, CRO, MUTIMETER, VOLTMETER, AMMETER	2.(A) Study of Operational Amplifier 741 & draw its pin diagram, (B) Determine the following characteristics of an OP-Amp. i) Input off-set voltage. ii) Slew rate iii) CMMR iv) Bandwidth v) Input bias current
3.		Inverting and non-inverting amplifier using OPAMP KIT, CRO	3. Construct and study inverting and non-inverting amplifier using OPAMP
4.		Integrator and differentiator using OPAMP KIT, CRO	4. Construct and study integrator and differentiator using OPAMP.
5.		V to F and F to V using OPAMP KIT, CRO	5. Construct and study voltage comparator, V to F and F to V using OPAMP
6.		Multivibrator Kit using OPAMP Kit, CRO	6. Construct and study Astable & Monostable Multivibrator

SL. NO.	**NAME OF THE LAB**	**NAME OF MACHINE/EQUIPMENT (SPECIFICATION)**	**EXPERIMENT PERFORMED**

1	ELECTRONICS MEASUREMENTS LAB	CRO, Function generator, CDS	1. (A) Measurement of Current and Voltages by Low range ammeter and voltmeter respectively with shunt and multiplier. **(B)** Observe the wave forms of different frequency by using Function generator and draw its diagram. &calculates average & R.M.S. Values, frequency, Time Periods using CRO. **(C)** Measure the unknown frequency and phase angle using CRO by Lissajous figure
2		DUAL TRACE CRO	2. Measure the amplitude and frequency using dual trace CRO.
3		Wheatstone Bridge, Maxwell Bridge, Hay's Bridge, Schering's Bridge KIT, CRO	3. (A) Measurement of resistance using Wheatstone's Bridge **(B)** Measure the inductance by Maxwell's Bridge &Hay's Bridge **(C)** Measure the capacitance by Schering's Bridge
4		LCR meter KIT, CRO	4. Measure the Resistance, Capacitance of circuit (Series & parallel) by using LCR meter and find the Q factor of the coil

DEPT.OF CIVIL ENGG NAME OF THE LAB – CE LAB

SL NO	NAME OF M/C OR EQUIPMENT	EXPERIMENT PERFORMED
1	Compression testing m/c Specification - 235mm Ram dia 2000 KN load Company –ASEW	Compressive strength of concrete cube, Cement Mortar & brick
2	Laboratory concrete mixture Fitted with ac induction motor 1440 rpm ,0.75 KN ,1 Hp Company –ASEW	Preparation of fresh concrete mix for Concrete cube
3	Losangel'sabrasationm/c IS:2386(part iv) Company –ASEW	Strength of coarse road aggregate
4	Ductility testing apparatus Thermotech TH-012 Company –ASEW	Ductility of bitumen sample
5	Hot air oven DTC-204 Company-Creative	Water content of soil sample

6	Impact test apparatus Motor operated,1/2 Hp,1425 RPM Model No-LK3071Company – ASEW	For SPT and MPT of a soil sample

NAME OF THE LAB – SURVEY LAB

SL NO	NAME OF M/C OR EQUIPMENT	EXPERIMENT PERFORMED
1	Theodolite m/c 12 cm dia transit Front line NO-00180/07	Measurement of HA , VA, DA ,ranging between various staffs
2	Auto level SOKKIA C410 Model NO - 03581	Measurement of RL of various points
3	Dumpy level Front line Model NO- 0040/2006	Measurement of RL of various points

MECHANICAL ENGINEERING HEAT POWER LAB

1	*MULTI CYLINDER FOUR STROKE PETROL ENGINE*	*Type- Load type Capacity- 7.5 kw Speed- 3000 rpm Arm length- 0.3 meter*	*i)-Determination of Brake Horse power,, Indicated Horse power, Brake specific fuel consumption of a multi cylinder engine by Morse test(5th semester)*
2	*FOUR STROKE SINGLE CYLINDER DIESEL ENGINE*	*Engine type- AVI Speed-1500 rpm Power rating- 3.7 kw SFC- 245g/kw-h*	*i)-Determination of brake thermal efficiency of a single cylinder diesel engine(5th semester)*

STRENGTH OF MATERIAL LAB

1	TORSION TESTING MACHINE	Max torque capacity- 50 kg Testing speed- 1.5 rpm Max clearance between grips- 0-500 mm Drive motor power required- 2 hp	i)-Determination of Torsional rigidity of a shaft using torsion testing machine(3rd semester)
2	IMPACT TESTING MACHINE	Model- AIT-300-D Display- Digital I.P energy for Charpy- 300 joule I.P energy for Izod- 170 joule L.C- 2 joule pendulum drop angle for Izod - 90˚	i)-Determination of toughness using impact testing machine (Charpy/Izod) (3rd semester)

3	UNIVERSAL TESTING MACHINE	Capacity- 100 kn Effective test width- 600 mm Setting method of Testing speed- digital Display set with cursor key Weight 900 kg approx.	i)-Determination of Young's modulus, Yield point, Fracture point from stress-strain curve using UTM (3rd semester)
4	HARDNESSTESTING MACHINE	Depth of throat- 135 mm Max depth of screw- 215 mm Dimension of machine base- 150×425 mm approx. Height- 660 mm approx. Net weight- 67 kg approx.	i)-Determination of hardness number by Rockwell hardness testing machine(3rd semester)

HYDRAULICS LAB

1	PELTON WHEEL TURBINE	Make- Crompton greaves Type- MEP 52 Rating- 5 H.P Total head- 24 mtrs Discharge- 840 ltrs/min Rpm-2880 Size- 80×65 mm	i)-Performance test in impulse turbine(4th semester)
	FRANCIS TURBINE	Power o/p- 1 H.P Runway speed- 1500 rpm Runner dia- 160 mm No. of guide vens- 10 Brake drum dia- 310 mm Rope brake dia- 15 mm PCD guide vane- 230 mm	i)-Performance test in reaction turbine(4th semester)
3	CENTRIFUGAL PUMP	Size- 25×25 Head- 11 mtrs RPM- 2900 Head range 8-12 mtrs BHP- 0.63 H.P- 0.75	i)-Performance test in centrifugal pump (4th sem)
		Transmission efficiency- 80% Rating- 1 hp Current speed- 4 amp	
4	HYDRAULIC BENCH	Size of table- 55×45×10 cm Measuring tank- 60 ltrs capacity Size- 40×50×30 cm Sump tank- 120 ltrs capacity Size- 40×100×30 cm Nominal dia. of pipe- 28 mm	i)-Verification of Bernoulli's theorem ii)-Determination of cd from venturimeter iii)-Determination of cc,cv,cd from orifice meter(4th semester)

THEORY OF MACHINE LAB

1	CAM ANALYSIS	i)- Circular cam ii)- Eccentric cam iii)- Tangent cam iv)- Mushroom follower v)- Roller follower vi)- Knife edge follower vii)- Compression spring- a spring of 4.5 kg/cm & 8.5 kg/cm stiffness is provided	i)-Study of different types of cam & followers(5th semester)
2	JOURNAL BEARING	Dia. of journal- 55 mm Dia. of bearing- 75 mm Bearing width- 75 mm Weight- 0.5 kg Motor- 1 hp RPM- 3000 Current- DC Supply required- 230v, AC stabilized	i)-Study & demonstration of journal bearing apparatus (5th semester)

3	UNIVERSAL GOVERNOR	Drive DC motor of 0.25 hp, 500 rpm speed, speed variation arrangement provided separate linkage for governor arrangement	I)-Determination of centrifugal force of a governor (Hartnell, Watt & Porter) (5th semester)

22. COMPUTING FACILITIES: -

a) Number of configuration of systems: -

Desktop	
Desktop with Intel Core Due Processor, 256 GB HDD, 2GB RAM, 2.20 GHz =	**Nos. 190**
Printer:	**12 Nos**
Scanner –	**02 Nos**
Xerox –	**02 Nos**
Color Printer-	**01 Nos**

b) Total number of systems connected by LAN: - 170 nos

c) Total number of systems connected to WAN ----------
Internet bandwidth: - 100 Mbps: Optical Fibre line from BSNL Network

d) Major software packages available: - Available
i. Windows 98, Windows 2003 server, Linux 9.0, Microsoft windows, XP,
ii. MSDN Academic Alliance Ver-7 Full Pack, Borland C++, MS Office 2007, Oracle -10, Oracle-8, Adobe Photoshop-7, Matlab-7, Java-3.0, Tally-9.0, Autocad-2007-2010.

e) Special purpose facilities available: - Yes available for conducting of online Meeting/Webinars/Workshops etc.

f) Facilities for conduct of classes / Courses in online mode (Theory & Practical) : Yes available

g) Social Media Cell: Available

23. WORKSHOP: - Basic work Shop and Addl work shop with 200 Sq. Mt each

24. List of Other Academic facilities available.

- Games and Sports facilities : - Available
- Extra Curriculum Activities : - Available
- Soft Skill Development Facilities : - Available

25. Teaching Learning Process: -

a) Curricula and syllabi for each of the programmes as approved by the University :- Available on **https://bputodisha.nic.in**

b) Academic Calendar of the Affiliating Boby :- Yes Available on

https://bputodisha.nic.in

c) Academic Time Table **: -**Yes, Available on **college website**

d) Teaching Load of each Faculty **: -** Lecturer: 16 hours per week
Asst. Professor: 12 hours per week Professor: 06 hours per week

e) Internal Continuous Evaluation System in Place :- Yes Available

- The syllabus is distributed over a number of semesters. Grasp and knowledge of the subject is evaluated in bits continuously and periodically thereby putting lesser burden on the student as compared to evaluation by one examination at the end of the session.
- The courses allotted for a particular semester are completed by the end of the semester and also examined and evaluated simultaneously, thereby reducing the amount of material to be studied at one time.
- The mode of evaluation is also varied, depending upon the nature of the subjects and topics. In general, the following components of evaluation are adopted:

Theory Course	Practical Course
Class Tests	Records
Assignments	Experiments
Seminars & Group Discussions	Viva-voce
Attendance	Attendance
End-semester Examination	End-semester Examination

- The student's performance is assessed throughout the semester by continuous evaluation followed by an end-semester examination which covers the entire syllabus.

- The number of credits allotted to each course depends on the relative time a student is expected to devote for the respective course.

- Each component of evaluation is assigned a certain weight age towards the computation of over-all performance in each course.

- Mark grade sheet is issued by University after evaluation of each semester and the declaration of the result of each academic session is based on student's performance over both the semesters of the session. An academic session means both the semesters of the session taken together.

- The student's performance for a session is indicated through a result card issued to the student after each even end-semester examination of a session which shows his achievements in each of the courses registered for.

f) Student's assessment of Faculty System in place:- Yes Available

- Feedback about Faculty is taken from students twice a semester. The various parameters on which teaching is assessed are: Communication Skills, Quality of Teaching/ Academic input, Subject Knowledge, Content and Method of Delivery, Resourcefulness, Readiness of teacher, Accessibility and Availability of Teacher in Campus/ Department. Feedback is signed by the principal and conveyed to the

faculty by respective Head of the Department. Counseling of faculty having feedback is carried out by Head of the Department as well as by the Principal for his/her improvement.

26. FOR EACH POST GRADUATE PROGRAMME GIVE FOLLOWING:

NA

27. Enrollment and Placement details of students in the last three years: Refer Sl.10 &14.

28. List of Research Projects / Consultancy Works:

- **No.of Projects Carried Out, Funding agency, Grant Received**: Nil
- **Publications (if any) out of research in last three years out of masters projects**: Nil
- **Industry Linkage:** The Institute made MoUs with five industries for industry linkages to provide demand-driven industry-relevant training opportunities and would work with industries with an aim to bridging the skill gap and provide demand-based skilled manpower to industries which would in turn add new jobs.
- **MoUs with Industries:** Made MoUs with five Industries to carry out Internship to the students on regular basis.

29. LoA and subsequent EoA till the current Academic Year: Got approved by AICTE, New Delhi and the copies are available in college website www.miacr.ac.in

Sl. No	Year of Approval	Intake	Approval Reference No.
1	2023-24	ME-60 EE-60 CSE-120 CE-60	Dated : 14/07/2023
2	2024-25	ME60 EE-60 CSE- 120 CE-60	Eastern/1-43659005034/2024/EOA Dated : 08/05/2024
3	2025-26	ME60 EE-60 CSE- 120 CE-60	Eastern/1-44640213244/2025/EOA Dated : 03/01/2025
4	2026-27	ME60 EE-60 CSE- 120 CE-60	Eastern/1-46219622882/2026/EOA Dated : 10/01/2025

Sd/-
Dr. Sarada Prasad Parida
PRINCIPAL