



# **DUMKA ENGINEERING COLLEGE**



**ANNUAL REPPORT  
AND  
AUDITED ANNUAL ACCOUNTS  
2018 - 2019**

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## Introduction

Dumka Engineering College is as an Institution under Public Private Partnership between the Government of Jharkhand and Techno India. The engineering college will provide admission to some reserve seats for students from Jharkhand and the rest will be open for students from other states. The college constructed by Department of Science and Technology, Jharkhand and will be managed by the Techno India Group.

At present the college is running UG engineering academic session with Computer Science & Engineering, Mechanical, Electrical, Civil and Electronics & Communications discipline of Engineering. At present the college is running UG engineering academic session with Computer Science & Engineering, Mechanical, Electrical, Civil and Electronics & Communications discipline of Engineering.

### 1.1 Vision

To impart quality education in the field of engineering and technology with a view to produce dynamic and global engineers with social commitment and finally emerge as one of the most acclaimed centres of excellence in the country.

### 1.2 Mission

- To impart education of the highest quality in engineering and technology.
- To build one of the best Industry-Academia interfaces to leverage the best collaborative output in terms of quality training, project management, research and consultancy.
- To provide ethical and value based education.
- To create an atmosphere, which identifies innovative and entrepreneurial minds across the students' community and finally produces future leaders, innovators, entrepreneurs and good human being.

### 1.3 Objectives

- To make an environment for effective teaching-learning by encouraging the students and faculty to cultivate their intellectual curiosity and scientific and research issues.
- Induction of extremely qualified, talented & motivated faculty; and trained and dedicated supporting technical and administrative staff.
- Establishment of excellent academic support facilities (laboratory, library, Internet etc.) required for good education on continuous basis.

- Technology up-gradation, development and transfer.
- Computerised management of all activities of institute.
- Encouraging Start-ups.
- Increase Research & consultancy activity.

#### 1.4 Methodologies

- Identify the particular areas of technology needed
- SWOT analysis (Examining of the existing facilities)
- Submit concrete proposals to funding agencies for necessary grant
- Involve students in innovative technology projects
- Research & development oriented education
- Create national/international collaborative programmes
- Networking among institutions for resource and expertise sharing

#### 1.5 Facilities

The college accommodates lecture halls, research and training laboratories, library, administrative offices etc. The campus has vast expanse of green dotted with facilities for cultural, recreational and sports activities. Students are encouraged to pursue a wide range of extracurricular activities and hobbies in their free time and events both entertaining and competitive are arranged quite frequently. In addition, the Institute maintains Guest Houses for accommodating guests appropriately.

- More than 40 no. of high tech laboratories Computer Lab, CNC Milling, CNC Lathe, VLSI, Embedded System, Concrete Lab, Power System Lab, Electrical Machine lab, Language Lab, Digital Electronics, etc.
- With high end computing nodes and other advanced laboratories, the computing centres provide enhanced facilities to the students.
- The Library provides students with access to a vast collection of books and journals and digital learning services. The library also offers access to a range of exclusive e-books and e-journals, which can be accessed in the library through the Digital Knowledge Centre.
- DEC provides campus-wide, high-speed Wi-Fi services with 16 MBPS for students to stay connected to the Internet and be an active part of the digital age.
- Hostel and Mess: Separate hostel facilities are provided for Boys and Girls in the college campus. In order to guarantee the safety of students within the hostel premises, an anti-ragging cell has been established that caters to each and every related intricate issue. It has adequate high security and good discipline. Each hostel has an independent mess.

- Power Back up- 24x7 generator facility is available in the campus.
- College appointed separate security agency & housekeeping agency for these purpose to provide the best for students.
- Recreation facility like Football, Cricket, Volleyball, Carom and so many indoor and outdoor games.
- College has its own ambulance service for students and all staffs. Separate aqua guards are installed in Girls and Boys Hostel, all academic buildings.

### 1.6 Historical background & Location

Dumka Engineering College is as an Institution under Public Private Partnership between the Government of Jharkhand and Techno India. The Engineering College will provide admission to some reserve seats for students from Jharkhand and the rest will be open for students from other states. The college constructed by Department of Science and Technology, Jharkhand and will be managed by the Techno India Group. Dumka is a district headquarters. It is around 260 kms from the state capital Ranchi. The district is well connected with roads and railways with major cities of Eastern India.

Dumka is one of the oldest districts of Jharkhand state under Santhal Pargana. This homeland of tribal is full of stunning landscapes, majestic mountains, verdant valleys and serpentine rivers. Dumka District is at 86 16" North latitude and 87 15" East longitude. It is situated at the height of 472 ft from the sea level. The District has an area of 3716.02 Sq.KM. and consists of only one sub division namely Dumka. Under Dumka sub division, there are 10 blocks namely Dumka, Gopikander, Jama, Jarmundi, Kathikund, Masaliya, Ramgarh, Raneshwar, Shikaripara and Saraiyahat. Dumka has predominantly undulating terrain with hard rocks in the underground. Entire District has a topography with high ridges and valleys bounded by hills and rivers.

Dumka is a district headquarters. It is around 260 kms from the state capital Ranchi. The College is situated around 2 km away from the bus stand and 0.5 km away from railway station, Dumka.



## 2. Academic Programs and admission

- **B. Tech:** The institute offers 4-year Bachelor of Technology degree in the following streams of engineering: Civil Engineering, Computer Science & Engineering, Electrical Engineering, Electronics & Communications Engineering, Mechanical Engineering.

B.Tech. Courses	Intake
Civil Engineering	60
Computer Science & Engineering	60
Electrical Engineering	60
Electronics & Communications Engineering	60
Mechanical Engineering	60

## 2.1 Admission procedure:

Admission to the institute shall be based on the entrance examination and subsequent counselling by appropriate authority.

1. All Fees for Free Seat Category are as per the Govt. norm.
2. All Fees for the Payment seat fees are as per the notification No FFC/335 dated 21/06/2017 of Fee fixation committee; Department of Higher, Technical Education and Skill Development, Govt. of Jharkhand.
3. All Fees will be through DD only. In no case any Cash payment will be allowed
4. Fees once paid will be refunded only against written application and as per AICTE norm only.

Apart from the Tuition Fee the other Optional fees like Hostel Fees, Mess Charge, Bus Charges etc. may be charged if applicable. University Fee / SBTE Fee / Any Govt. Fees / Taxes are additional if applicable.

## 2.2 Admitted students for academic session 2018-19

### Computer Sc. & Engineering

SL. NO	ID	STUDENT NAME	STREAM	CATEGORY	REGULAR/LATERAL
1	189031001001	ASHITOSH RAJ	CSE	GENERAL	REGULAR
2	189031001002	PRIYA KUMARI	CSE	BC-1	REGULAR
3	189031001003	ADARSH KUMAR PANDEY	CSE	GENERAL	REGULAR
4	189031001004	PUJA RANI	CSE	SC	REGULAR
5	189031001005	KRIPA SHANKAR RAKSHIT	CSE	BC-1	REGULAR
6	189031001006	NAVEEN KUMAR	CSE	BC-2	REGULAR
7	189031001007	RAHUL KUMAR DAS	CSE	SC	REGULAR
8	189031001008	MUSKAN KUMARI	CSE	BC-2	REGULAR
9	189031001009	YASHASHVI	CSE	GENERAL	REGULAR
10	189031001010	BIKRAM SOREN	CSE	ST	REGULAR
11	189031001011	NILESH BECK	CSE	ST	REGULAR
12	189031001012	HIMANSHU HARSH	CSE	GENERAL	REGULAR
13	189031001013	RAKESH HEMBRAM	CSE	ST	REGULAR
14	189031001014	TANNU RANI	CSE	GENERAL	REGULAR
15	189031001015	KAUSHAL KUMAR	CSE	BC-2	REGULAR
16	189031001016	ZEENAT PARVEEN	CSE	BC-1	REGULAR
17	189031001017	SACHIN KUMAR	CSE	GENERAL	REGULAR
18	189031001018	KAPIL KUMAR KISKU	CSE	ST	REGULAR
19	189031001019	CHINMAY SWARUP CHIRANJEEVI	CSE	BC-2	REGULAR

20	189031001020	DHRUV KUMAR	CSE	GENERAL	LATERAL
21	189031001021	VISHAL KUMAR GUPTA	CSE	BC-1	LATERAL
22	189031001022	VISWANATH BHAGAT	CSE	ST	LATERAL
23	189031001023	PRANJAL PRERAK MISHRA	CSE	GENERAL	REGULAR
24	189031001024	SHITAL KUMARI	CSE	SC	LATERAL
25	189031001025	GULSHAN MARANDI	CSE	ST	LATERAL
26	189031001026	ABHINABH DAS	CSE	GENERAL	REGULAR
27	189031001027	SABA AHMAD	CSE	BC-2	REGULAR
28	189031001028	RITESH KUMAR	CSE	BC-2	REGULAR
29	189031001029	BIDHAN RAKSHIT	CSE	BC-1	REGULAR
30	189031001030	NISHA RANI	CSE	SC	LATERAL
31	189031001031	MRITUJAY GUPTA	CSE	BC-1	REGULAR
32	189031001032	BISHAL KUMAR	CSE	GENERAL	LATERAL
33	189031001033	DEEPAK KUMAR	CSE	GENERAL	REGULAR
34	189031001034	SANJAY KUMAR MANDAL	CSE	BC-1	LATERAL
35	189031001035	SAWITA NANDAN	CSE	MQ	REGULAR
36	189031001036	ANKESH KUMAR	CSE	SC	LATERAL

### **Electronics & Communication Engineering**

SL. NO	ID	STUDENT NAME	STREAM	CATEGORY	REGULAR/LATERAL
1	189031002002	ADITI RANI	ECE	GENERAL	RAGULAR
2	189031002003	ANJALI KUMARI	ECE	BC-1	RAGULAR
3	189031002004	SHWETA KUMARI	ECE	BC-2	RAGULAR
4	189031002005	DOLLY KUMARI	ECE	BC-2	RAGULAR
5	189031002006	KOMAL KUMARI	ECE	BC-1	RAGULAR
6	189031002007	BASANTI MURMU	ECE	ST	RAGULAR
7	189031002008	AMAN KUMAR	ECE	BC-2	RAGULAR
8	189031002009	AMISHA SAHU	ECE	BC-1	RAGULAR
9	189031002011	SOMNATH MONDAL	ECE	BC-1	RAGULAR
10	189031002012	SHRUTI RAJ	ECE	BC-1	RAGULAR
11	189031002013	KAPIL DAS	ECE	SC	RAGULAR
12	189031002014	RANJAN KUMAR	ECE	BC-2	RAGULAR
13	189031002015	PREMLAL HEMBRAM	ECE	ST	RAGULAR
14	189031002016	SURABHI MANDAL	ECE	BC-1	LATERAL
15	189031002017	AMISHA KUMARI	ECE	BC-2	LATERAL
16	189031002018	ARYAN SHEKHAR	ECE	GENERAL	RAGULAR
17	189031002020	MD. SAHIL	ECE	BC-1	RAGULAR
18	189031002021	CHANDANI RAJ	ECE	BC-2	LATERAL
19	189031002022	ANGIKA ALEKH	ECE	GENERAL	LATERAL



**Electrical Engineering**

SL. NO	ID	STUDENT NAME	STREAM	CATEGORY	REGULAR/LATERAL
1	189031003001	PRADEEP KUMAR MAHATO	EE	BC-1	REGULAR
2	189031003002	SWARUP KUMAR MONDAL	EE	BC-1	REGULAR
3	189031003003	KRISHNADEO VISHWAKARMA	EE	BC-2	REGULAR
4	189031003004	AJAY KUMAR HANSDA	EE	ST	REGULAR
5	189031003005	RAHUL BHARATI	EE	ST	REGULAR
6	189031003007	SOURAV SUMAN	EE	BC-2	REGULAR
7	189031003008	KUNDAN KUMAR	EE	BC-2	REGULAR
8	189031003009	MD. MOQADDAS NOOR	EE	BC-1	REGULAR
9	189031003011	JATIN KUMAR JHA	EE	GENERAL	REGULAR
10	189031003012	JAYA GUPTA	EE	BC-2	REGULAR
11	189031003013	ANKIT KUMAR SINGH	EE	GENERAL	LATERAL
12	189031003014	NIDHI KUMARI	EE	OBC	REGULAR
13	189031003016	ALOK PRAKASH	EE	BC-1	REGULAR
14	189031003018	KISHAN KUMAR	EE	BC-1	REGULAR
15	189031003019	YOGESH YADAV	EE	GENERAL	REGULAR
16	189031003020	SHIVAM JAISWAL	EE	GENERAL	REGULAR
17	189031003021	KAJAL KUMARI	EE	BC-1	REGULAR
18	189031003022	RITESH CHANDRA	EE	SC	LATERAL
19	189031003023	AKRITI SINGH	EE	GENERAL	LATERAL
20	189031003024	AZAD KUMAR MANDAL	EE	GENERAL	REGULAR
21	189031003025	OM PRAKASH BEDIYA	EE	ST	LATERAL
22	189031003026	MANSHI SHREE LAL	EE	BC-2	LATERAL
23	189031003027	UJJWAL NIGAM	EE	GENERAL	REGULAR
24	189031003028	SHILPI SAHA	EE	BC-1	REGULAR
25	189031003029	MD. SHAHZADA SHADAB	EE	BC-2	REGULAR
26	189031003030	RAJ SUMIT	EE	GENERAL	REGULAR
27	189031003031	SHIVAM SWARUP	EE	SC	REGULAR
28	189031003032	MD. TALIB ANSARI	EE	BC-1	REGULAR
29	189031003033	NUTAN KUMARI	EE	SC	REGULAR
30	189031003034	AMIT KUMAR	EE	GENERAL	LATERAL
31	189031003035	ARVIND KUMAR	EE	BC-1	REGULAR
32	189031003036	PARESH KUMAR HANSDA	EE	ST	LATERAL
33	189031003037	KALPANA SAGAR	EE	BC-1	LATERAL

**Mechanical Engineering**

SL. NO	ID	STUDENT NAME	STREAM	CATEGORY	REGULAR/LATERAL
1	189031004001	VIJAY KUMAR MAHTO	ME	OBC	REGULAR
2	189031004002	SATYAM KUMAR	ME	GENERAL	REGULAR
3	189031004003	HANSEL KIRK KULLU	ME	ST	REGULAR
4	189031004004	BANTI KUMAR MODI	ME	BC-2	REGULAR
5	189031004005	AJIT KUMAR MAHATO	ME	GENERAL	REGULAR
6	189031004006	SHUBHAM KUMAR	ME	GENERAL	REGULAR
7	189031004007	MD. ABUL FATAH	ME	BC-1	REGULAR
8	189031004009	AYUSH KUMAR SINGH	ME	GENERAL	REGULAR
9	189031004010	GAURAV PASWAN	ME	SC	REGULAR
10	189031004012	ABHISHEK KUMAR	ME	BC-2	REGULAR
11	189031004013	MANOJ ORAON	ME	ST	REGULAR
12	189031004014	PRABHAT TIGGA	ME	ST	REGULAR
13	189031004015	SONU KUMAR	ME	SC	REGULAR
14	189031004016	ABHAY BARNWAL	ME	BC-2	REGULAR
15	189031004017	ARBIND KUMAR DAS	ME	SC	REGULAR
16	189031004018	MD. SOHAIL RAZEE	ME	BC-1	REGULAR
17	189031004019	KRISHNENDU BAGCHEE	ME	GENERAL	REGULAR
18	189031004020	BABUL SAHANI	ME	GENERAL	REGULAR
19	189031004021	PUSHPESH LAL RANJAN	ME	BC-1	REGULAR
20	189031004022	PAPPU RANA	ME	BC-2	REGULAR
21	189031004023	SHUBHAM KUMAR PARHI	ME	GENERAL	LATERAL
22	189031004024	MILAN SHARMA	ME	BC-1	REGULAR
23	189031004025	RAKESH KUMAR SAH	ME	BC-1	LATERAL
24	189031004026	MANMOHAN	ME	GENERAL	LATERAL
25	189031004027	HARISH KATIYAR	ME	BC-1	LATERAL
26	189031004028	MARTIN TUDU	ME	ST	LATERAL
27	189031004030	SHYAM SUNDAR JAH	ME	GENERAL	REGULAR
28	189031004031	SHIV SANTOSH KUNWAR	ME	BC-2	REGULAR
29	189031004032	VIKAS SAH	ME	BC-1	REGULAR
30	189031004033	MD. KADIR ANSARI	ME	GENERAL	REGULAR
31	189031004034	ARUP KUMAR	ME	BC-1	REGULAR
32	189031004035	SURAJ KUMAR	ME	BC-1	LATERAL
33	189031004036	RAMAN KUMAR	ME	BC-2	LATERAL
34	189031004037	PRASHANT PRASHAR	ME	GENERAL	REGULAR
35	189031004038	RITESH KUMAR	ME	OBC	REGULAR
36		HARENDRA KARMALI	ME	ST	REGULAR

**CIVIL Engineering**

Dumka Engineering College

SL. NO	ID	STUDENT NAME	STREAM	CATEGORY
1	189031003031	SHIVAM SWARUP	CE	SC
2	189031005001	ABHISHEK KUMAR	CE	OBC
3	189031005002	RAM SUNDAR ALOK	CE	OBC
4	189031005003	SHIVAM RAJ	CE	General
5	189031005004	BAPI KUMAR	CE	OBC
6	189031005005	AYUSH ANAND	CE	General
7	189031005006	AMIT KUMAR	CE	OBC
8	189031005007	FAIZ ALAM	CE	OBC
9	189031005008	KRISHNA GOPAL	CE	OBC
10	189031005009	NALIN MARANDI	CE	SC
11	189031005010	SUMIT SOURAV	CE	OBC
12	189031005011	NAVDEET HANSDA	CE	ST
13	189031005012	NANDINI TIU	CE	ST
14	189031005013	GOPI KISHAN	CE	OBC
15	189031005014	BIJAY GORAI	CE	OBC
16	189031005015	AMITESH RANJAN	CE	General
17	189031005016	DEEPAK KUMAR	CE	OBC
18	189031005017	NISHA ROSELINE BASKEY	CE	ST
19	189031005018	SUNNY KUMAR SAW	CE	OBC
20	189031005019	MUKESH MANDAL	CE	OBC
21	189031005020	ASHOK KUMAR	CE	OBC
22	189031005021	NAVEEN KUMAR YADAV	CE	OBC
23	189031005022	NITYANAND RAJAK	CE	SC
24	189031005023	BITTU KUMAR	CE	OBC
25	189031005026	JIMMY JENIFER HANSDAK	CE	ST
26	189031005027	RAMKRISHNA YADAV	CE	OBC
27	189031005029	BIPIN KUMAR YADAV	CE	OBC
28	189031005031	AHEM KUMAR	CE	OBC
29	189031005032	DEEPAK KUMAR	CE	OBC
30	189031005033	RAJDEEP KUMAR YADAV	CE	OBC
31	189031005034	PRAVEEN KUMAR ORAON	CE	ST
32	189031005035	DEVNANDAN KUMAR	CE	OBC
33	189031005036	PRABHASH KUMAR SAH	CE	OBC
34	189031005037	MD EHSAN ANSARI	CE	OBC
35	189031005038	VISHAL KUMAR	CE	OBC
36	189031005039	TUSHAR GUPTA	CE	OBC
37	189031005040	BHOLA PRASAD SAHA	CE	OBC
38	189031005041	NAGENDRA KUMAR	CE	
39	189031005042	PIXY GUPTA	CE	OBC
40	189031005043	SOURAV BADYAKAR	CE	SC
41	189031005044	UTSAV KUMAR SUMAN	CE	SC
42	189031005045	SHIV VISHWAKARMA	CE	General
43	189031005046	ABHIRAM HONHAGA	CE	ST

44	189031005047	AMIN RAZA	CE	OBC
45	189031005048	BAIDYANATH HANSDA	CE	ST
46	189031005049	SANTOSH ORAON	CE	ST
47	189031005050	CHUNCHUN KUMAR	CE	SC
48	189031005051	HARENDRA KARMALI	CE	ST
49	189031005052	RANJAN GOSWAMA	CE	General
50	189031005053	AKSHAY KUMAR MAHTO	CE	OBC
51	189031005054	MD ISRAIL ALAM	CE	OBC
52	189031005055	Krishnendu Bagchee	CE	General
53	189031005057	SHIVAM KUMAR SAHU	CE	OBC
54	189031005058	chitranjan kumar	CE	General
55	189031005059	SONU KUMAR MANDAL	CE	OBC
56	189031005060	DIVYA KACHHAP	CE	ST
57	189031005061	ANUJ KUMAR	CE	OBC
58	189031005062	MANISH KUMAR GOPE	CE	OBC
59	189031005063	PANKAJ SOREN	CE	ST
60	189031005064	DEEPAK HEMBROM	CE	ST
61	189031005065	POULAMI GHOSE	CE	General
62		RITESH KUMAR	CE	SC

### 2.3 Examination system

Examinations and Assignments have always been an important part of the total educational process. Examinations are designed and administered at different stages of education and their results are used for various purposes like improvement in learning, grading and classification of students, selection for admission to higher classes or for scholarship, certification and for providing guidance for future, etc. Assignments are given to improve student knowledge.

Here, the teachers are aware of the attributes of a good test, e.g. validity, reliability and usability. The steps to construct a question are 1) prepare a Blue Print, 2) the physical assembling of questions in a paper, and 3) after the question paper is set and marking scheme finalized, a detailed question-wise analysis is done which informs the strengths and weaknesses of the question paper. This helps the teachers to become better paper setters.

Chairman of Exam cell gives one specified format to make the internal question paper. All of the faculty members have to follow that format. Format is like the following. Total mark is 30.

- 1) Multiple Choice Questions (MCQ).....5 marks.
- 2) Two questions of 5 marks each requiring short answers.....10 marks.
- 3) One question of 15 marks requiring some detailed deliberation.....15 marks.

### Internal Evaluation Scheme

Assessment	Weightage in Marks	
Internal Exam 1	30	Convert it into 15 marks
Internal Exam 2	30	
Assignment	10	
Attendance	05	
<b>Total</b>	<b>30</b>	

#### Semester Examination Paper Pattern

- i. Each Question carries 15 marks in Group-C and May consists of sub-questions.
- ii. Answer 3 full questions of 15 marks each (in Group- C) in Semester Examination.
- iii. Each Question carries 5 marks in Group-B and May consists of sub-questions.
- iv. Answer 3 full questions of 5 marks each (in Group- B) in Semester Examination.
- v. Group-A will consist of multiple choice questions each of 1 marks and total of 10 marks.

### 3. Academic & Administrative Structure

#### 3.1 List of board of Governors members:

S.No.	Participants	Role
1.	Mr. Kunal Ganguly	Chairperson Governing Body
2.	Prof. (Dr.) Gopal Pathak	Vice Chancellor, Jharkhand University of Technology Special Invitee
3.	Representative of NIT Durgapur	Member Governing Body
4.	Dr.Subhendu Mondal	Member Governing Body
5.	Prof. Sujit Khamaru	Member Governing Body
6.	Dr.BishnuBrata Chattopadhyay	Member Governing Body
7.	Dr Sudipta Chakraborty	Member Governing Body
8.	Mr Anit Adhikary	Member Governing Body
9.	AICTE Representative	ERO
10.	Govt Of Jharkhand Representative	Member Governing Body
11.	Prof. D. N. Ganrai	Representative of SKMU
12.	Mrs. Moumita Chakraborty	Member Governing Body
13.	Dr. Palash Pal	Member Secretary

#### 3.2 Financial power for each Transaction & Limit:

- Dept. HODs – up to – Rs. 5000/-
- TEQIP - III Coordinator – up to Rs. 5 Lakh
- Director / Principal – up to –Rs. 50 Lakh
- Director, with Approval of BOG Chairman – Above Rs. 50 Lakh

#### 3.3 Administrative structure

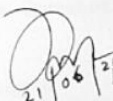
SL.No.	Designation	Name
1	Director	Mr. Mohit Chatterjee
2	Principal	Dr. Palash Pal
3	Vice Principal	Mr. Ratan Kumar Bose
4	Academic Co-ordinator	Dr. Subhendu Mandal
5	HOD - Civil Engineering	Ms. Pratima Kumari
6	HOD - Computer Science & Engineering	Mr. Ranadeep Dey

7	HOD - Electrical Engineering	Mr. Rajeeb Ranjan Pathak
8	HOD - Electronics & Communication Engineering	Mr. Sujit Khamaru
9	HOD - Mechanical Engineering	Mr. Lalit Narayan
10	Estate Manager	Mr. Abhishek Mukharjee
11	Librarian	Mr. Monsur Ali Sheikh
12	Co-Ordinator Student Affairs	Mr. Rajib Ranjan Sah
13	Co-Ordinator Training & Placement	Mr. Ranadeep Dey
14	In-charge Computer Centre	Mr. Amit Kr. Pramanik
15	Hostel Warden (Boys)	Manoj Rooj
16	Hostel Warden (Girls)	Mrs. Maya Kumari

### Grievance Redressal Cell

The main function of Grievance Redressal Cell is in order to keep healthy atmosphere among the staffs, students and parents of the Institute. The committee helps to record the complaints and solve the problems related to academics, resources and personal grievances.

Sl. No.	Name	Designation	Responsibility
1	Dr. Palash Pal	Principal	Chairman
2	Mr. Lalit Narayan Mahato	Faculty in charge (Student Affairs)	Chief- Member
3	Mr. Abhishek Mukherjee	Admin	Member
4	Mr. Ratan Kr. Bose	HOD-BSH Dept.	Member
5	Dr. Subhendu Mandal	Asst. Prof.-BSH Dept.	Member
6	Mr. Srijib Banerjee	Asst. Prof.-EE Dept	Member
7	Mr. Sujit Kumar	Asst. Prof.-CE Dept	Member
8	Mr. Niraj Sharma	Tech Asst. – ME Dept	Member

  
21/06/2018  
Principal

Dumka Engineering College

(Estd. by Govt. of Jharkhand & Run by Techno India under PPP)

Dumka, Jharkhand-814101



## Dumka Engineering College

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Corporate Office : EM 4/1, Sector - V, Salt Lake, Kolkata - 700 091  
Phone : (91) 33-2357-6163/64/2658/1094, Fax : (91) 33-2357-1097

Ref: DEC/ADMIN/AO/2019/053

Date: 25.07.2019

### AUDIT OBSERVATION COMMITTEE

SL. NO.	NAME	DESIGNATION
1.	Dr. Palash Pal	Chairman
2.	Lalit Narayan Mahto	Co-Chairman
3.	Tapan Bhattacharya	Member
4.	Dr. Partha Pratim Bag	Member
5.	Rajeev Ranjan Pathak	Member
6.	Amit Kumar Pramanik	Member

*(Signature)*  
25/07/2019

Principal

Dumka Engineering College  
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Principal

Dumka Engineering College  
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Dumka, Jharkhand, Pin-814101

Campus Address : Near Govt. Polytechnic College, P.O. - Shivpahar, P.S. - Dumka Town, Dist. - Dumka, Jharkhand, Pin - 814 101  
Website : [www.dumkaengg.edu.in](http://www.dumkaengg.edu.in) • Email : [coordinator@tigj@gmail.com](mailto:coordinator@tigj@gmail.com) • Contact : +91 86172 63690 (Whatsapp)





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Corporate Office : EM 4/1, Sector - V, Salt Lake, Kolkata - 700 091  
Phone : (91) 33-2357-6183/64/2056/1094, Fax : (91) 33-2357-2450


Ref: DEC/ADMIN/PO/2018/198

Date: 01.08.2018

### SC/ST Cell

The following members are assigned additional responsibility for SC/ST Cell at college campus;

Sl. No.	Name	Designation	Responsibility
1	Dr. Palash Pal	Principal	Chairman
2	Mr. Abhishek Mukherjee	Admin	Member
3	Mrs. Sushant Soren	Asst. Librarian	Member
4	Mr. Lalit Narayan Mahto	HOD- ME Dept.	Member
5	Mr. Ratan Kumar Bose	HOD- BSH Dept.	Member
6	Ms. Pratima Kumari	HOD- CE Dept.	Member
7	Mr. Amit Kumar Pramanik	Asst. Prof.- CSE Dept.	Member

  
 Dumka Engineering College  
 Principal  
 Dumka Engineering College  
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 Dumka, Jharkhand, Pin - 814101

Campus Address : Near Govt. Polytechnic College, P.O. - Shivpazar, P.S. - Dumka Town, Dist. - Dumka, Jharkhand, Pin - 814101  
Email : info.decjh@gmail.com



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Phone : (91) 33-2357-6163/64/2658/1094, Fax : (91) 33-2357-1097

Ref: DEC/ADMIN/AO/2019/061

Date: 07.08.2019

### INDUCTION COMMITTEE

SL NO.	NAME	DESIGNATION
1	Manish Thakur	Coordinator
2	Souvik Dey	Co- Coordinator
3.	Saurav Ranjan	Member
4.	Swagata Kundu	Member
5.	Sumit Raj	Member
6.	Sweta Kumari	Member

Principal  
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Dumka, Jharkhand-814101

Dumka Engineering College  
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Dumka Engineering College  
Near Govt. Polytechnic College, P.O. - Shivpohar, P.S. - Dumka Town, Dist. - Dumka, Jharkhand - 814101

Campus Address : Near Govt. Polytechnic College, P.O. - Shivpohar, P.S. - Dumka Town, Dist. - Dumka, Jharkhand, Pin - 814 101  
Website : [www.dumkaengg.edu.in](http://www.dumkaengg.edu.in) • Email : [coordinator@tigitjh@gmail.com](mailto:coordinator@tigitjh@gmail.com) • Contact : +91 86172 63690 (Whatsapp)



# Dumka Engineering College

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Phone : (91) 33-2357-6163/64/2658/1094, Fax : (91) 33-2357-2450

Ref: DEC/ADMIN/PO/2018/142

Date: 21.06.2018

## ICC Women's Committee

Internal Complaints Committee (ICC) or ICC Women's Committee is constituted as per order of Supreme Court (Vishaka Judgement) with the aim of promoting gender equality and women's empowerment among students and staff members. The cell takes care of the grievances of girl students and female staff members related to gender discriminations, violence and sexual harassment on the campus.

Sl. No.	Name	Designation	Responsibility
1	Dr. Palash Pal	Principal	Chairman
2	Miss. Amrita Roy	Asst. Prof.-ECE Dept	Chief-Member
3	Mr. Abhishek Mukherjee	Admin	Member
4	Miss. Pratima Kumari	HOD- CE Dept.	Member
5	Miss. Sunidhi Priyadarshini	Asst. Prof.-CSE Dept	Member
6	Mrs. Sushanti Soren	Asst. Librarian	Member
8	Miss. Sampurna Mandal	Asst. Prof.-CSE Dept	Member
9	Mrs. Mousumi Pal (Ghosh)	Office Asst.	Member

  
Principal

Dumka Engineering College

(Estd. by Govt. of Jharkhand & Run by Techno India under PPP)

Dumka, Jharkhand-814101

Principal  
Dumka Engineering College  
(Estd. by Govt. of Jharkhand & Run by Techno India under PPP)  
Near Govt. Polytechnic College, P.O. Shivgohar  
Dumka, Jharkhand, Pin-814101

Campus Address : Near Govt. Polytechnic College, P.O. - Shivgohar, P.S. - Dumka Town, Dist. - Dumka, Jharkhand, Pin - 814101  
Email : info.decjh@gmail.com



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Ref: DEC/ADMIN/AO/2019/060

Date: 07.08.2019

### INDUSTRY INTERACTION CELL

SL NO.	NAME	DESIGNATION
1	Ranadeep Dey	Coordinator
2	Sandeep Das	Co- Coordinator
3.	Dr Anukul Pandey	Member
4.	Md. Salim Ahmad	Member

*[Handwritten Signature]*  
08/08/2019

**Principal**  
**Dumka Engineering College**  
(Estd. by Govt. of Jharkhand & Run by Techno India under PPP)  
**Dumka, Jharkhand-814101**

101945704 20190808 11:00 AM  
Dumka Engineering College  
(Estd. by Govt. of Jharkhand & Run by Techno India under PPP)  
Near Govt. Polytechnic College  
Dumka, Jharkhand-814101

Campus Address : Near Govt. Polytechnic College, P.O. - Shivpahar, P.S. - Dumka Town, Dist. - Dumka, Jharkhand, Pin - 814 101  
Website : [www.dumkaengg.edu.in](http://www.dumkaengg.edu.in) • Email : [coordinator@tjdh@gmail.com](mailto:coordinator@tjdh@gmail.com) • Contact : +91 86172 63690 (Whatsapp)



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Ref: DEC/ADMIN/PO/2018/143

Date: 21.06.2018

## Training and Placement Committee

The main function of this committee is to communicate with the students and companies to get good quality Placement of students. The following functional Training and Placement Committee will start their additional new assignment at college campus;

Sl. No.	Name	Designation	Responsibility
1	Dr. Palash Pal	Principal	Convener
2	Mr. Ranadeep Dey	HOD-CSE Dept	Chief Member
3	Mr. Subir Das	HOD-EE Dept	Member
4	Mr. Ratan Kr. Bose	HOD-BSH Dept	Member
5	Mr. Sujit Khamaru	HOD-ECE Dept	Member
6	Miss. Pratima Kumari	HOD-CE Dept	Member
7	Mr. Lalit Narayan Mahato	HOD-ME Dept	Member
8	Mr. Rajiv Ranjan Sah	Asst. Prof.- ME Dept	Member
9	Miss. Sampurna Mandal	Asst. Prof.- CSE Dept	Member

  
Principal

Dumka Engineering College

(Estd. by Govt. of Jharkhand & Run by Techno India under PPP)

Dumka, Jharkhand-814101

Principal  
Dumka Engineering College  
(Estd. by Govt. of Jharkhand & Run by Techno India under PPP)  
Near Govt. Polytechnic College, P. O. - Shivasahar  
Dumka, Jharkhand, Pin-814101

Campus Address : Near Govt. Polytechnic College, P.O. - Shivasahar, P.S. - Dumka Town, Dist. - Dumka, Jharkhand, Pin - 814101  
Email : info.decjh@gmail.com



## Dumka Engineering College

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Phone : (91) 33-2357-6163/64/2658/1094, Fax : (91) 33-2357-1097

Ref: DEC/ADMIN/PO/2019/106

Date: 22.06.2019

### GATE TECHNICAL EVALUATION COMMITTEE

The main function of this cell is to monitor or make a drive/motivation to the students about the GATE preparation for their future as well as professional curriculum, responsibility of submission of maximum students under GATE curriculum. Moreover, configuration GATE preparations coaching, hiring training institutes for the purpose of preparation, short examination, add on mentoring and motivational measures should be taken by the cell. Further motivate students to developing creativity in the students in order to promote entrepreneurship. The following members will take care the above matter w.e.f. 22.06.2019,

SL.NO	NAME	DESIGNATION	DEPT.
1.	Dr. Palash Pal	Principal	ADMIN
2.	Mr. Sujit Kumar	ASST. PROF., CE	CE
3.	Mr. Sujit Khamaru	HOD,ECE(CO-ORDINATOR TEQIP III)	HOD,ECE
4.	Mr. Ratan Kumar Bose	NODAL OFFICER ACADEMIC	HOD,BSH
5.	Mr. Ranadeep Dey	HOD,CSE	HOD,CSE
6.	Mr. Lalit Narayan Mahto	HOD,ME	HOD,ME
7.	Miss. Pratima Kumari	HOD,CE	HOD,CE
8.	Miss. Amrita Roy	ASST. PROF., ECE	ECE
9.	Mr. Khondekar Kamal Ahmed	ASST. PROF., ECE	ECE

*[Signature]*  
Principal

Dumka Engineering College

(Estd. By Govt. Of Jharkhand & Run by techno India under PPP)

Dumka, Jharkhand-814101



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Website : [www.dumkaengg.edu.in](http://www.dumkaengg.edu.in) • Email : [coordinator@tigitjh@gmail.com](mailto:coordinator@tigitjh@gmail.com) • Contact : +91 86172 63690 (Whatsapp)



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Phone : (91) 33-2357-6163/64/2658/1094, Fax : (91) 33-2357-1097

Ref: DEC/ADMIN/AO/2019/055

Date: 31.07.2019

### EMPLOYABILITY SKILL TRAINING COMMITTEE

SL. NO.	NAME	DESIGNATION
1.	Ranadeep Dey	Coordinator
2.	Sampurna Mandal	Co- Coordinator
3.	Subhadip Chandra	Member
4.	Supratim Bera	Member
5.	Vivek Kumar Singh	Member
6.	Srikant Ghai	Member

*(Handwritten Signature)*  
31/07/2019  
Principal

Dumka Engineering College  
(Estd. by Govt. of Jharkhand & Run by Techno India under PPP)  
Dumka, Jharkhand: 814101

Campus Address : Near Govt. Polytechnic College, P.O. - Shivpahar, P.S. - Dumka Town, Dist. - Dumka, Jharkhand, Pin - 814 101  
Website : [www.dumkaengg.edu.in](http://www.dumkaengg.edu.in) • Email : [coordinator@tigitjhb@gmail.com](mailto:coordinator@tigitjhb@gmail.com) • Contact : +91 86172 63690 (Whatsapp)



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Phone : (91) 33-2357-6163/64/2658/1094, Fax : (91) 33-2357-1097

Ref: DEC/ADMIN/PO/2019/106A

Date: 22.06.2019

### EMPLOYABILITY SKILL TRAINING TECHNICAL EVALUATION COMMITTEE

The main function of this cell is to monitor or make a drive/motivation to the students about the EMPLOYABILITY SKILL TRAINING for their future as well as professional curriculum, responsibility of submission of maximum students under the curriculum Moreover, configuration EMPLOYABILITY SKILL TRAINING coaching, hiring training Institutes for the purpose of preparation, short examination, add on mentoring and motivational measures should be taken by the cell. Further motivate students to developing creativity in the students in order to promote entrepreneurship. The following members will take care the above matter w.e.f. 22.06.2019,

SL.NO	NAME	DESIGNATION	DEPT.
1.	Dr. Palash Pal	Principal	ADMIN
2.	Mr. Sujit Kumar	ASST. PROF., CE	CE
3.	Mr. Sujit Khamaru	HOD,ECE(CO-ORDINATOR TEQIP III)	HOD,ECE
4.	Mr. Ratan Kumar Bose	NODAL OFFICER ACADEMIC	HOD,BSH
5.	Mr. Ranadeep Dey	HOD,CSE	HOD,CSE
6.	Mr. Lalit Narayan Mahto	HOD,ME	HOD,ME
7.	Miss. Pratima Kumari	HOD,CE	HOD,CE
8.	Miss. Amrita Roy	ASST. PROF., ECE	ECE
9.	Mr. Khondekar Kamal Ahmed	ASST. PROF., ECE	ECE

*(Handwritten Signature)*  
22/06/19  
Principal

Dumka Engineering College



(Estd. By Govt. Of Jharkhand & Run by techno India under PPP)

Dumka, Jharkhand-814101  
Principal  
Dumka Engineering College  
(Estd. by Govt. of Jharkhand & Run by Techno India under PPP)  
Near Govt. Polytechnic College, P.O.-Shyampur  
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## GATE and Employability Skills Training at Dumka Engineering College Under TEQIP III

Dumka Engineering College



A. List of students from Traditionally Disadvantaged Group Trained for GATE:

Training Year of GATE	Season/ B Tech	Total number of students B Tech	Total number of students Trained by NPIU Empaneled service provider	category	No. of students	No of Trained Students	% of Students trained/Under training by NPIU Empaneled service provider
2018	2015-19	187	154	SC	35	24	68.57 %
				ST	36	16	44.44%
				Female	37	28	75.68%
2019	2016-20	197	174	SC	33	31	93.93%
				ST	42	39	92.86%
				Female	41	40	97.56%





**B. List of students from Traditionally Disadvantaged Group Trained for Employability Skills Training:**

Training Year of GATE	Season/ B Tech	Total number of students B Tech	Total number of students Trained by NPIU Empaneled service provider	category	No. of students	No of Trained Students	% of Students trained/Under training by NPIU Empaneled service provider
2019	2015-19	187	180	SC	35	34	97.14 %
				ST	36	33	91.67 %
				Female	37	35	94.59 %
2019	2017-21	174	174	SC	29	29	100 %
				ST	42	42	100 %
				Female	38	38	100 %

### 3.4 Placement Data.

<b>Dumka Engineering College</b> <i>Placement Details (2019 Passing Out batch)</i>						
Sl. No.	Name of Organization	Criteria	Eligible Departments	Package	No. of Selected Students	Date & Place
1	Persistent Systems	60% throughout in 10th and 12th and B.tech CGPA	CSE	N/A	None	28.07.18 Techno India, Salt Lake.
2	Microsoft	75% throughout in 10th and 12th and B.tech CGPA	CSE	N/A	None	23.08.18 & 24.08.18
3	Tosa International	B.Tech	ECE, EE	3 LPA	1 (One) 1. Rohit Kr. Saw (ECE)	12.10.18 Chaibasa Engineering College
4	Tosa International	B.Tech	ECE, EE	3 LPA	Pending	19.11.18 Ramgarh Engineering College.
5	Artech Information Systems	B.Tech	CSE,ECE, EE	2.7 LPA	None	22.11.18 Techno India, Salt Lake.
6	Net2Source	B.Tech	CSE,ECE, EE	3 LPA	None	28.11.18 Techno India, Salt Lake.

7	Edge Telecom Pvt. Ltd.	B.Tech	ECE, EE	4.4 LPA	<p>31  <b>ECE</b>  Rohit Kumar Saw  Subham Kr. Sinha  Kunal Kishor  Kunal Kishore  Sourab Das  Rahul Kumar  Rahul Kumar  Mandal  <b>EE</b>  Santosh Kumar  Choudhary  Ravi Shankar  Kumar  Chiranjeet  Chandra  Ram Deo Mahato  Suraj Chouhan  Anku Pathak  Kanchan Kumar  Saha  Raj Kishor  Hembrom  Nilesh Kumar Ray  <b>ME</b>  Prince Kumar  Dular Chand Tudu  Prem Kundan  Prashant Kumar  Nitesh Anand  Singh  Abhishek Kumar  Ajay Kumar  Mahato  Amit Kumar  Thakur  Animesh Kumar  Mahato  Sunil Kumar Saw  Avinash Kumar  Isha Raj Murmu  Vinod Kumar  Mahto  Sintu Kumar  Pranaw Kumar</p>	8.12.2018 Dumka Engineering College
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8	<b>JB Glass</b>	B.Tech	ME	2.0 LPA	5 <b>ME</b> Goutam Kr. Yadav Pankaj Kumar Prashant Kumar Priyaranjan Raj Sagar	8.12.2018 Dumka Engineeri ng College
9	<b>Artech Global Workforce Solutions</b>	B.Tech	All	2.70 LPA	None	21.12.18 Ramgarh Engineeri ng College.
10	<b>TECH FERRY</b>	B.Tech	CSE, ECE	2 TO 10 LPA	None	22.12.18 Ramgarh Engineeri ng College.
11	<b>Jaro Education</b>	B.Tech	All	7.02 LPA	None	23.12.18 Ramgarh Engineeri ng College.
12	<b>Light Field Multiservices Pvt. Ltd.</b>	B.Tech	CE	4.8 LPA	15 <b>CE</b> Sawan Prashad Mahato Shrabani Rakha Vishal Pandey Sourav Ojha Rajesh Roshan Piyush kumar Rohit Kr. Verma Rajiv Ranjan Abhishek Prakash Shailendra Kr. Mandal Nitish kumar Avinash Karmali Sushil Sourav Avinash kr. Rahi Ajit Kumar	19.01.201 9 Dumka Engineeri ng College

13	<b>Kiran Udyog Pvt. Limited</b>	B.Tech	ME	2.4 LPA	10 <b>ME</b> Sunil Kr. Saw Prashant Kumar Pankaj Kumar Prem kundan Prashant Kumar (L) Gurudev Kr. Sah Sintu Kumar Sanjeev Ranjan Deepak Kr. Kewat Vinod kr. Mahto	19.01.2019 Dumka Engineering College
14	<b>Gulati Auto Electricals Pvt. Ltd.</b>	B.Tech	ME,EE	2.4 LPA	9 <b>EE</b> Preety Kumari Varsha Kumari Pallavi Sinha Bishwanath Prasad Vidyarthi Deepak Kr. Mahto  <b>ME</b> Hiralal Singh Goutam Kr. Yadav Sintu Kumar Vinod Kr. Mahto	20.01.2019 Dumka Engineering College
15	<b>ARC</b>	B.Tech	CSE,ECE	4 LPA	<b>CSE</b> Nayna Das	07.02.2019 & 08.02.19 Techno India, Salt Lake.
16	<b>Mphasis</b>	B.Tech	ECE, EE, CSE	2.52 LPA	Pending	07.02.2019 Dr.B.C Roy Engineering College, Durgapur
17	<b>Asahi India Glass Ltd.</b>	Minimum 60% throughout (10th, 12th and Graduation).	ME,EE	3LPA	Pending	04.03.2019 Chaibasa Engineering College

18	<b>Zebronics</b>	60% throughout (Graduation)	ECE,ME	3LPA	Pending	05.03.2019 Chaibasa Engineeri ng College
19	<b>Byzu's</b>	68% in 10th 60% throughout (Graduation)	ALL	3LPA	Pending	12.03.2019 13.03.2019 Ramgarh Engineeri ng College
20	<b>Omega Appliances Pvt Ltd.</b>	B.Tech	EE,ECE	1.8LPA	2 <b>EE</b> Sumit Ghosh Santosh Kr. Choudhary  2 <b>ME</b> Suraj Kumar Jha Prashant Kumar	30.03.2019 Chaibasa Engineeri ng College
21	<b>Qh Talbros Pvt Ltd.</b>	B.Tech	ME		Pending	31.03.2019 Chaibasa Engineeri ng College

#### 4. BASIC DETAILS OF THE COLLEGE

<b>1.</b>	Name of the College/institution	DUMKA ENGINEERING COLLEGE (Estd. By GOVT. of Jharkhand and run by Techno India)
<b>2.</b>	AISHE Code	C- 51374
<b>3.</b>	(i) Postal Address	NEAR GOVT. POLYTECHNIC COLLEGE
		SHIV PAHAR
	(ii) City	DUMKA
	(iii) State	JHARKHAND
	(iv) District	DUMKA
	(v) Pin Code	814101
	(vi) Website	www.dunkaengg.edu.in
	(vii) Total Area (in acre)	24
	(viii) Total Constructed area (in sq. m)	34,803
<b>4.</b>	Year of Establishment	2013
<b>5.</b>	College Contact Details	
	A. (i) Name of Principal	Dr. PALASH PAL
	(ii) Contact No.	9733706319
	(iii) E-mail id	Mail2palash@gmail.com
	B. (i) Name of College Nodal Officer for AISHE	RATAN KUMAR BOSE
	(ii) Designation	ASSISTANT PROFESSOR
	(iii) Telephone No. (with STD code)	06434-290691
	(iv) Mobile	9732710981
	(v) E-mail id	ratankrbose@gmail.com



6.	(i) Name of the University to which Affiliated	Sido Kanhu Murmu University, Dumka
	(ii) Name of the other University to which Affiliated	
	(iii) The Statutory body through which recognized	All India Council for Technical Education
7.	Year of Affiliation with university	2019
8.	(i) Location of the College/Institution	Urban
	(ii) Block/City/Town	Dumka, Jharkhand
9.	Geographical Referencing (values must contain minimum of 5 digits after the decimal point)	Latitude (in degree)- 24.150001 Longitude (in degree)- 81.140001
10.	Type of College/ Institution	Affiliated College
11.	Whether College is Autonomous	No
12.	Management of College/institution	Private Aided
13.	(i) Is it specialized College/Institution	Yes
	(ii) If Yes, then select any one	Engineering & Technology
	(iii) Whether the College is running only diploma level courses	No
14.	Is it Evening College/Institution	No
15.	Whether the College/Institution is exclusively meant for girls	No
16.	(i) Staff Quarter Available	Yes
	(ii) If Yes,	

### DEPARTMENT OF CIVIL ENGINEERING

**1.Name of Head: Pratima Kumari**

**2. Faculty and specialization:**

**On Contract (Through NPIU)**

SL.NO	Name of the Faculty	Designation	Highest Qualification	Area of Specialization
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Dumka Engineering College

1	Abul Khalid	Assistant Professor	M.TECH (I.I.T. Madras)	Building Technology & Construction Management
2	Debasis Panda	Assistant Professor	M.TECH (N.I.T. Agartala)	Structural Engineering

**Laboratories and Professor in charge of Laboratories:**

SL. No	Professor In charge	Laboratories
1	Pratima Kumari	1. Concrete Lab. 2. Soil Mechanics 3. Building Drawing Lab.
2	Sujit Kumar	1. Survey Lab. 2. Fluid Lab. 3. Estimation, Quantity Surveying Lab
3	Gourab Mandal	1. Highway Lab. 2. S.O.M. Lab. 3. Cad Lab.
4	Abul Khalid	1. Geology Lab. 2. Environmental Lab. 3. Foundation Lab.
5	Debasis Panda	1. Structural Design Lab. 2. Environmental Lab. 3. R.C. Detailing Lab.

4. New Acquisitions: NA

5. Research Facilities: NA

6. Testing and consultancy: NA

7. Publications in National/International Journal:

1. "Experimental Investigation on Fibre Reinforced Concrete using Binding Wires".

International Journal of Engineering Research and Technology, Volume-8, Issue-4:452-456.

**Authors:** *Debasis Panda (Dumka engineering college), Subham Dutta (UG Student Brainware Group of Institutions)*

**DEPARTMENT OF MECHANICAL ENGINEERING**

1. **Head of the Department: Mr. Lalit Narayan Mahto**

Dumka Engineering College

## 2. Faculty and Specialization:

### On Contract (Through NPIU)

SL.NO	Name of the Faculty	Designation	Highest Qualification	Area of Specialization
1	Mr. Sandeep Das	Assistant Professor	M.TECH (IIT Guwahati)	Computer Assisted Manufacturing (CAM)
2	Mr. Salim Ahmad	Assistant Professor	M.TECH (ISM Dhanbad)	Machine Design

## 3. Laboratories and Professor in charge of Laboratories:

SL. No	Professor In charge	Laboratories
1	Mr. Salim Ahmed	1.Fluid Mechanics and Hydraulic Lab 2. CAD Lab
2	Mr. Lalit Narayan Mahto	Engineering Drawing Lab
3	Mr. Sumit Raj	Dynamics of Machine Lab
4	Mr. Manish Thakur	1. Workshop 2. Advanced Manufacturing Lab 3. IC Engine Lab
5	Mr. Rajeev Ranajn Sah	1. Metrology and Measurement Lab 2. Material Testing Lb
6	Mr. Sandeep Das	1. Air Conditioning and Refrigeration Lab 2. Applied Thermodynamics and Heat Transfer Lab

## 4. New Acquisitions:

- (i) Computerised Universal Testing Machine
- (ii) Pelton Wheel Turbine Test Machine
- (iii) Computerised Lathe Tool Dynamometer
- (iv) Thermal Imaging Camera
- (v) Vapour Absorption Refrigerator Test Rig
- (vi) Water Cooler Test Rig

## 5. Research Facilities: NA

**6. Testing and consultancy: NA**

**7. Research Papers Published in Journals/Conference:**

1. “Surface Alloying of Titanium Di-Boride (TiB<sub>2</sub>) and Silicon carbide on Aluminium Al 5052 using Electric Discharge Processing”.

2<sup>nd</sup> International Conference on Structural Integrity and Exhibition 2018. Published by Elsevier B.V. 2452-3216 ©2019

**Authors:** Sandeep das (Dumka engineering college), Randhir kumar Raman (IIT Guwahati), N. devrani (IIT Guwahati) and Dr. Shrikrishna N.Joshi (Associate professor,ME,IIT Guwahati)

### DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

**1. Head of the Department: Mr. Ranadeep Dey**

**2. Faculty and Specialization:**

**Laboratories and Professor in charge of Laboratories:**

SL. No	Professor In charge	Laboratories
1	Mr Amit Kumar Pramanik	CSE Central Lab 1
2	Mrs Sunidhi Priyadarshini	CSE Central Lab 2
3	Mr Ranadeep Dey	CSE Central Lab 3
4	Ms Sampurna Mandal	CSE Central Lab 4
5	Mr Saurabh Ranjan	CSE Central Lab 5

**3. New Acquisitions: NA**

**4. Research Facilities: NA**

**5. Testing and consultancy: NA**

**6. Research Papers Published in Journals/Conference:**

1. “A Novel Approach for deployment and throughput analysis of LTE-Advanced Self-Organizing Network by using SystemVue”, International Journal of Computational Intelligence and Internet of Things Vol 1, No. 1 2018.

International Conference on Computational Intelligence and Internet of Things. (ICCIoT2018) at NIT Agartala. (Elsevier- SSRN Published)

**Authors:** Sayantan Acharya, Saurabh Ranjan, **Sampurna Mandal (Dumka engineering College)**

## DEPARTMENT OF ELECTRICAL ENGINEERING

**1.Name of Head: Rajeev Ranjan Pathak**

**2. Faculty and Specialization:**

**On Contract (Through NPIU)**

SL.NO	Name of the Faculty	Designation	Highest Qualification	Area of Specialization
1	Rajeev Rajan Pathak	Assistant Professor	PhD Pursuing, (IEST Shivpur)	Control System
2	Sweta Kumari	Assistant Professor	PhD Pursuing (NIT Jamshedpur)	Power System
3	Deepan Dutta	Assistant Professor	M.Tech (NIT Durgapur)	Power System

**3. Laboratories and Professor in charge of Laboratories:**

SL. No	Professor In charge	Laboratories
1.	Subhadip Chandra	Basic Electrical Lab
2.	Srijib Banerjee	Power System Lab
3.	Sweta Kumari	1.Power Electronics Lab 2. Electrical Drive
4.	Rajeev Ranjan Pathak	1. Control System Lab. 2. Circuit Theory Lab.
5.	Swagata Kundu	Measurement Lab.
6.	Deepan Dutta	Machine Lab

4. **New Acquisitions:** NA

5. **Research Facilities:** NA

Testing and consultancy: NA

6. **Research Papers Published in Journals/Conference:** NA

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING**

1. **Head of the Department:** Mr. Sujit Khamuru

2. **Faculty and Specialization:**

**On Contract (Through NPIU)**

SL.NO	Name of the Faculty	Designation	Highest Qualification	Area of Specialization
1	Dr. Anukul Pandey	Assistant Professor	PhD (Dr. B.R. Ambedkar National Institute of Technology)	Electronics and Communication Engineering

3. **Laboratories and Professor in charge of Laboratories:**

SL. No	Professor In charge	Laboratories
1	Dr. Anukul Pandey	1. Digital Signal Processing Laboratory 2. Signal and system Laboratory
2	Mr. Khondekar Kamal Ahmed	1. Basic electronics Laboratory 2. VLSI Design Laboratory
3	Dr. Barjesh Kumar	1. Analog Communication Laboratory 2. Digital Communication Laboratory
4	Mr. Aks Raj	1. EM Theory and Transmission Line Laboratory 2. RF and Microwave Laboratory
5	Mr. Sujit Khamaru	1. Electronics, Measurement and instrumentation Laboratory 2. Microprocessors and Microcontrollers Laboratory

6	Mr. Souvik De	1.Digital electronics and circuit Laboratory 2. Computer Organization Laboratory 3. Solid state device Laboratory
7	Ms. Amrita Roy	A 1. Analog electronics Laboratory

#### 4. Testing and consultancy: NA

#### 5. Research Papers Published in Journals/Conference:

- [1] **Anukul Pandey**, Butta Singh, Barjinder Singh Saini, and Neetu Sood “A novel Fused Coupled Chaotic Map based Confidential Data Embedding-then-Encryption of Electrocardiogram Signal,” *Biocybernetics and Biomedical Engineering*, 2018 (Accepted: Under Production) (**Elsevier, SCI, & IF: 1.374**)
- [2] **Anukul Pandey**, Barjinder Singh Saini, Butta Singh, and Neetu Sood “Complexity Sorting and Coupled Chaotic Map based on 2D ECG Data Compression-then-Encryption and its OFDM transmission with Impair Sample Correction,” *Multimedia Tools and Applications*, 2018, pp 1–39 (Accepted) (**Springer, SCI, & IF: 1.530**).

#### Book

- [1] **Anukul Pandey** “Medical Data Security for Bioengineers” (**IGI-Global**)

#### Book Chapter

- [2] **Anukul Pandey**, Barjinder Singh Saini, Butta Singh, and Neetu Sood, “Bernoulli’s Chaotic Map Based 2D ECG Image Steganography: A Medical Data Security Approach,” in *Medical Data Security for Bioengineers*, Edition 1, IGI Global, 2018, (Accepted)
- [3] **Anukul Pandey**, Butta Singh, Barjinder Singh Saini, and Neetu Sood, “Medical Data Security Tools and Techniques in E-Health Applications,” in *Medical Data Security for Bioengineers*, Edition 1, IGI Global, 2018, (Accepted)
- [4] AD Roy, O Prakash, A Kumar, AK Kaviti, **Anukul Pandey**, Design and Selection Criteria of Biogas Digester in Low Carbon Energy Supply, **Springer**, 2018, vol. 1 pp-91-112

#### DEPARTMENT: Basic Science and Humanities

1. Head of the Department: Mr. Ratan Kumar Bose
2. Laboratories and Professor In charge of Laboratories:

Dumka Engineering College

SL. No	Professor In charge	Laboratories
1	Dr. Subhendu Mondal	Basic Engineering Physics Laboratory
2	Dr. Partha Pratim Bag	Basic Engineering Chemistry Laboratory
3	Mr. Kallol Chowdhury	Language and Technical Communication Laboratory

### 3. New Acquisitions:

- Physics and Chemistry laboratory are decorated by modern instruments for the B.Tech. students of JUT syllabus.
- Language lab is decorated as world class.
- BSH Department is having one virtual smart class room.

### 4. Research Facilities:

- Dr. Subhendu Mondal is doing research on Laser spectroscopy.
- Dr. Partha Pratim Bag is conducting research on Crystal Engineering and Material Chemistry. He is supervising two Ph.D. students presently.

### 5. Testing and consultancy:

- Dr. Subhendu Mondal and Dr. Partha Pratim Bag received two Seed Grant Fund (each Rs. 1.5 Lakhs) under TEQIP III in collaboration with IIT Gandhinagar.
- Dr. Partha Pratim Bag received Collaborative Research Fund (CRS) (Rs. 10.37 Lakhs) under TEQIP III.

### 6. Research Papers Published in Journals/Conference:

#### Mr. Ratan Kumar Bose

1. *Blood Flow through a Flexible Artery in Presence of Stenosis – A Mathematical Study*, Ratan Kumar Bose\* and Saktipada Nanda, J.Mech.Cont. & Math. Sci., Vol.-6, No.-2, January (2012) Pages 859 – 874. ISSN: 0973-8975.
2. *Mathematical Analysis on Blood Flow through a Flexible Stenosed Artery*, Ratan Kumar Bose\* and Saktipada Nanda, International Journal of Civil Mechanical Engineering. Volume 2, Number 1 (2012), pp. 17-30, International Research Publication House. ISSN: 2250-3218
3. *Analysis on Blood Flow through an Atherosclerotic Artery: A Mathematical Study*, Ratan Kumar Bose\* and Saktipada Nanda, The SciTech, Journal of Science & Technology, Vol-1, Issue-1, p-51-60, 2012. ISSN: 2278 - 5329
4. *A Mathematical Model for Blood Flow through a Narrow Artery with Multiple Stenoses*, Ratan Kumar Bose\*, Saktipada Nanda, Journal of Applied Mathematics and Fluid Mechanics. Volume 4, Number 3 (2012), pp. 233-242, International Research Publication House, ISSN: 0974-3170.



5. **Bio-Engineering Perceptive of Fluid Mechanics having Applications in Circulatory Disorders- An Analytical Study**, Ratan Kumar Bose\* and Biswadip Basu Mallik, The SciTech, International Journal of Engineering Sciences, Vol-1, Issue-1 , p-42-55, 2013. ISSN: 2347 – 9221
6. **Magneto Hydrodynamic Effects on an atherosclerotic Artery –A Theoretical Study**, Ratan Kumar Bose, Theoretical and Computational Research in twenty first century (Chapter-2), Editor: Nazmul Islam, Apple Academic Press, October 2014, USA, **Hard ISBN: 9781771880336**.
7. **Analysis of Casson Fluid Model for Blood flow in externally applied Magnetic Field**, Ratan Kumar Bose, Theoretical and Computational Research in twenty first century (Chapter-11), Editor: Nazmul Islam, Apple Academic Press, October 2014, USA, **Hard ISBN: 9781771880336**.

#### Conference Publications:

1. **Analysis on Blood Flow through an Atherosclerotic Artery: A Mathematical Study**, Ratan Kumar Bose, *International workshop on Science and Technology, Techno Global-Balurghat, 2012. Balurghat, West Bengal.*

#### Book Publication:

1. **Co-Author, Theoretical and Computational Research in twenty first century** (Chapter-2 Chapter11), Editor: Nazmul Islam, **Apple Academic Press, October 2014, USA, Hard ISBN: 9781771880336**.

#### Member of Journals:

**Board Member**, The SciTech Publishers

The SciTech, Journal of Science & Technology

<http://www.thescitechpub.com/publishers/index.aspx>

**Editorial Team Member**,

Signpost Open Access Journal of Theoretical

Sciences. [http://www.journals.academicpursuits.us/index.php/SOAJ\\_Theoretical](http://www.journals.academicpursuits.us/index.php/SOAJ_Theoretical)

**Editorial Board Member**,

International Journal of Applied Science & Engineering.

<http://ndpublisher.in/ndjournal.php?j=IJASE>

### Dr. Subhendu Mondal

#### Papers in Refereed Journals

- [1] H. Fukuzawa T.Takanashi, E. Kukkk, K. Motomura, S. Wada, K. Nagaya, Y. Ito, T. Nishiyama, C. Nicolas, Y. Kumagai, D. Iablonskyi, **S. Mondal**, T. Tachibana, D. You, S. Yamada, Y. Sakakibara, K. Asa, Y. Sato, T. Sakai, K. Matsunami, T. Umemoto, K. Kariyazono, S. Kajimoto, H. Sotome, P. Johnsson, M.S. Schöffler, G. Kastirke, K. Kooser, X. Liu, T. Asavei, L. Neagu, S. Molodtsov, K. Ochiai, M. Kanno, K. Yamazaki, S. Owada, K. Ogawa, T. Katayama, T. Togashi, K. Tono, M. Yabashi, A. Ghosh, K. Gokhberg, L. S. Cederbaum, A.I. Kuleff, H. Fukumura, N. Kishimoto, A. Rudenko, C. Miron, H. Kono, K. Ueda

Real-time observation of X-ray-induced intermolecular and interatomic electronic decay in CH<sub>2</sub>I<sub>2</sub>

Nature Communications **10**, 2186 (2019); Impact Factor: 12.353

- [2] Y. Kumagai, Z. Jurek, W. Xu, H. Fukuzawa, K. Motomura, D. Iablonskyi, K. Nagaya, S. Wada, **S. Mondal**, T. Tachibana, Y. Ito, T. Sakai, K. Matsunami, T. Nishiyama, T. Umemoto, C. Nicolas, C. Miron, T. Togashi, K. Ogawa, S. Owada, K. Tono, M. Yabashi, S. K. Son, B. Ziaja, R. Santra and K. Ueda

Radiation-induced chemical dynamics in Ar clusters exposed to strong X-ray pulses

Physical Review Letters **120**, 223201-1-223201-5 (2018); Impact Factor: 8.839

- [3] C. Callegari, T. Takanashi, H. Fukuzawa, K. Motomura, D. Iablonskyi, Y. Kumagai, **S. Mondal**, T. Tachibana, K. Nagaya, T. Nishiyama, K. Matsunami, P. Johnsson, P. Piseri, G. Sansone, A. Dubrouil, M. Reduzzi, P. Carpeggiani, C. Vozzi, M. Devetta, D. Facciala, F. Calegari, M. C. Castrovilli, M. Coreno, M. Alagia, B. Schutte, N. Berrah, O. Plekan, P. Finetti, E. Ferrari, K. C. Prince, and K. Ueda

Application of Matched-Filter concepts to unbiased selection of data in pump-probe experiments with free electron lasers

Applied Sciences **7**, 621(1-9) (2017); Impact Factor: 1.855

- [4] T. Takanashi, N.V. Golubev, C. Callegari, H. Fukuzawa, K. Motomura, D. Iablonskyi, Y. Kumagai, **S. Mondal**, T. Tachibana, K. Nagaya, T. Nishiyama, K. Matsunami, P. Johnsson, P. Piseri, G. Sansone, A. Dubrouil, M. Reduzzi, P. Carpeggiani, C. Vozzi, M. Devetta, M. Negro, D. Facciala, F. Calegari, A. Trabattoni, B. Schutte, N. Berrah, O. Plekan, P. Finetti, C. Spezzani, E. Ferrari, E. Allaria, G. Penco, C. Serpico, G. De Ninno, B. Diviacco, S. Di Mitri, L. Giannessi, G. Jabbari, K. C. Prince, L.S. Cederbaum, Ph.V. Demekhin, A.I. Kuleff, and K. Ueda

Time-resolved observation of interatomic Coulombic decay induced by two-photon double excitation of Ne<sub>2</sub>

Physical Review Letters **118**, 033202-1 - 033202-6 (2017); Impact Factor: 8.839

- [5] K. Nagaya, K. Motomura, E. Kukk, Y. Takahashi, K. Yamazaki, S. Ohmura, H. Fukuzawa, S. Wada, **S. Mondal**, T. Tachibana, Y. Ito, R. Koga, T. Sakai, K. Matsunami, K. Nakamura, M. Kanno, A. Rudenko, C. Nicolas, X.-J. Liu, C. Miron, Y. Zhang, Y. Jiang, J. Chen, M. Anand, D.-E. Kim, K. Tono, M. Yabashi, M. Yao, H. Kono, and K. Ueda

Femtosecond charge and molecular dynamics of I-containing organic molecules induced by intense X-ray free-electron laser pulses

Faraday Discussions **194**, 537 - 562 (2016); Impact Factor: 3.427

- [6] D. Iablonskyi, K. Nagaya, H. Fukuzawa, K. Motomura, Y. Kumagai, **S. Mondal**, T. Tachibana, T. Takanashi, T. Nishiyama, K. Matsunami, P. Johnsson, P. Piseri, G. Sansone, A. Dubrouil, M. Reduzzi, P. Carpeggiani, C. Vozzi, M. Devetta, M. Negro, F. Calegari, A. Trabattoni, M.C. Castrovilli, D. Facciala, Y. Ovcharenko, T. Moller, M. Mudrich, F. Stienkemeier, M. Coreno, M. Alagia, B. Schutte, N. Berrah, A.I. Kuleff, G. Jabbari, C. Calegari, O. Plekan, P. Finetti, C. Spezzani, E. Ferrari, E. Allaria, G. Penco, C. Serpico, G. De Ninno, I. Nikolov, B. Diviacco, S. Di Mitri, L. Giannessi, K.C. Prince, and K. Ueda

Slow interatomic Coulombic decay of multiply excited neon clusters

Physical Review Letters **117**, 276806-1 - 276806-5 (2016); Impact Factor: 8.839

- [7] K. Nagaya, D. Iablonskyi, N. Golubev, K. Matsunami, H. Fukuzawa, K. Motomura, T. Nishiyama, T. Sakai, T. Tachibana, **S. Mondal**, S. Wada, K. Prince, C. Callegari, C. Miron, N. Saito, M. Yabashi, P. Demekhin, L. Cederbaum, A. Kuleff, M. Yao, and K. Ueda

Interatomic Coulombic Decay Cascades in Multiply Excited Neon Clusters

Nature Communications **7**, 13477(1-6) (2016); Impact Factor: 12.353

- [8] K. Nagaya, K. Motomura, E. Kukkk, H. Fukuzawa, S. Wada, T. Tachibana, Y. Ito, **S. Mondal**, T. Sakai, K. Matsunami, R. Koga, S. Ohmura, Y. Takahashi, M. Kanno, A. Rudenko, C. Nicolas, X.-J. Liu, Y. Zhang, J. Chen, M. Anand, Y. H. Jiang, D.-E. Kim, K. Tono, M. Yabashi, H. Kono, C. Miron, M. Yao, and K. Ueda

Ultrafast Dynamics of a Nucleobase Analogue Illuminated by a Short Intense X-ray Free Electron Laser Pulse

Physical Review X **6**, 021035-1 - 021035-9 (2016); Impact Factor: 14.385

- [9] H. Fukuzawa, T. Tachibana, K. Motomura, Y. Q. Xu, K. Nagaya, S. Wada, P. Johnsson, M. Siano, **S. Mondal**, Y. Ito, M. Kimura, T. Sakai, K. Matsunami, H. Hayashita, J. Kajikawa, X-J. Liu, E. Robert, C. Miron, R. Feifel, J. Marangos, K. Tono, Y. Inubushi, M. Yabashi, M. Yao and K. Ueda

Electron spectroscopy of rare-gas clusters irradiated by x-ray free-electron laser pulses from SACLA

Journal of Physics B: At. Mol. Opt. Phys. **49**, 034004(1-7) (2016); Impact Factor: 1.792

- [10] V. Zhaunerchyk, M. Kamińska, M. Mucke, R.J. Squibb, J.H.D. Eland, M.N. Piancastelli, L.J. Fransinski, J. Grilj, M. Koch, B. K. McFarland, E. Sistrunks, M. Gühr, R. N. Coffee, C. Bostedt, J. D. Bozek, P. Sal´en, P. v. d. Meulen, P. Linusson, R.D. Thomas, M. Larsson, L. Foucar, J. Ullrich, K. Motomura, **S. Mondal**, K. Ueda, R. Richter, K.C. Prince, O. Takahashi, T. Osipov, L. Fang, B.F. Murphy, N. Berrah, and R. Feifel

Disentangling formation of multiple-core holes in aminophenol molecules exposed to bright X-FEL radiation

Journal of Physics B: At. Mol. Opt. Phys. **48**, 244003(1-9) (2015); Impact Factor: 1.792

- [11] K. Motomura, E. Kukkk, H. Fukuzawa, S. Wada, K. Nagaya, S. Ohmura, **S. Mondal**, T. Tachibana, Y. Ito, R. Koga, T. Sakai, K. Matsunami, A. Rudenko, C. Nicolas, X.-J. Liu, C. Miron, Y. Zhang, Y. H. Jiang, J. Chen, A. Mailam, D. Kim, K. Tono, M. Yabashi, M. Yao, and K. Ueda

Charge transfer and molecular dissociation following deep inner-shell multiphoton ionization of CH<sub>3</sub>I molecules by intense x-ray free-electron laser pulses

Journal of Physical Chemistry Letters **6**, 2944-2949 (2015); Impact Factor: 8.709

- [12] A. Dubrouil, M. Reduzzi, M. Devetta, C. Feng, J. Hummert, P. Finetti, O. Plekan, C. Grazioli, M. Di Fraia, V. Lyamayev, A. La Forge, R. Katzy, F. Stienkemeier, Y. Ovcharenko, M. Coreno, N. Berrah, K. Motomura, **S. Mondal**, K. Ueda, K. C. Prince, C. Callegari, A. I. Kuleff, Ph. V. Demekhin, and G. Sansone

Two-photon resonant excitation of interatomic Coulombic decay in neon dimers

Journal of Physics B: At. Mol. Opt. Phys. **48**, 204005(1-8) (2015); Impact Factor: 1.792

- [13] M. Mucke, V. Zhaunerchyk, L. J. Fransinski, R.J. Squibb, M. Siano, J.H.D. Eland, P. Linusson, P. Sal´en, P. v. d. Meulen, R.D. Thomas, M. Larsson, L. Foucar, J. Ullrich, K. Motomura, **S. Mondal**, K. Ueda, T. Osipov, L. Fang, B.F. Murphy, N. Berrah, C. Bostedt, J. D. Bozek, S. Schorb, M. Messerschmidt, J. M. Glowonia, J.P. Cryan, R. N. Coffee, O. Takahashi, S. Wada, M.N. Piancastelli, R. Richter, K.C. Prince, and R. Feifel

Covariance mapping of two-photon double core hole states in C<sub>2</sub>H<sub>2</sub> and C<sub>2</sub>H<sub>6</sub> produced by an X-ray free electron laser

New Journal of Physics **17**, 073002(1-10) (2015); Impact Factor: 3.579

- [14] T. Tachibana, Z. Jurek, H. Fukuzawa, K. Motomura, K. Nagaya, S. Wada, P. Johnsson, M. Siano, **S. Mondal**, Y. Ito, M. Kimura, T. Sakai, K. Matsunami, H. Hayashita, J. Kajikawa, X. Liu, E. Robert, C. Miron, R. Feifel, J. Marangos, K. Tono, Y. Inubushi, M. Yabashi, S. K. Son, B. Ziaja, M. Yao, R. Santra, and K. Ueda

Nanoplasma formation by high intensity hard X-rays

Scientific Reports **5**, 10977(1-7) (2015); Impact Factor: 4.122

- [15] D. Ayuso, M. Kimura, K. Kooser, M. Patanen, E. Plesiat, L. Argenti, **S. Mondal**, O. Travnikova, K. Sakai, A. Palacios, E. Kukk, P. Decleva, K. Ueda, F. Martin and C. Miron

Vibrationally resolved B 1s photoionization cross section of BF<sub>3</sub>

Journal of Physical Chemistry A **119**, 5971 - 5978 (2015); Impact Factor: 2.836

- [16] K. Schnorr, A. Senftleben, G. Schmid, S. Augustin, M. Kurka, A. Rudenko, L. Foucar, A. Broska, K. Meyer, T. Pfeifer, K. Meyer, D. Anielski, R. Boll, D. Rolles, M. Kubel, M.F. Kling, Y.H. Jiang, **S. Mondal**, T. Tachibana, K. Ueda, T. Marchenko, M. Simon, G. Brenner, R. Treusch, S. Scheit, V. Averbukh, J. Ullrich, T. Pfeifer, C.D. Schroter and R. Moshhammer

Time-resolved study of ICD in Ne dimers using FEL radiation

Journal of Electron Spectroscopy and Related Phenomena **204**, 245 - 256 (2015); Impact Factor: 1.601

- [17] **S. Mondal**, H. Fukuzawa, K. Motomura, T. Tachibana, K. Nagaya, T. Sakai, K. Matsunami, S. Yase, M. Yao, S. Wada, H. Hayashita, N. Saito, C. Callegari, K. C. Prince, C. Miron, M. Nagasono, T. Togashi, M. Yabashi, K. L. Ishikawa, A. K. Kazanski, N. M. Kabachnik and K. Ueda

Pulse delay effects in the angular distribution of near-threshold EUV+IR two-photon ionization of Ne

Physical Review A **89**, 013415-1 - 013415-6 (2014); Impact Factor: 2.925

- [18] M. Patanen, K. Kooser, L. Argenti, D. Ayuso, M. Kimura, **S. Mondal**, E. Plesiat, A. Palacios, K. Sakai, O. Travnikova, P. Decleva, E. Kukk, C. Miron, K. Ueda, and F. Martin

Vibrationally resolved C 1s photoionization cross section of CF<sub>4</sub>

Journal of Physics B: At. Mol. Opt. Phys. (special issue) **47**, 124032(1-7) (2014); Impact Factor: 1.792

- [19] V. Zhaunerchyk, M. Mucke, P. Sal´en, P. vd. Meulen, M. Kaminska, R.J. Squibb, L.J. Fransinski, M. Siano, J.H.D. Eland, P. Linusson, R.D. Thomas, M. Larsson, L. Foucar, J. Ullrich, K. Motomura, **S. Mondal**, K. Ueda, T. Osipov, L. Fang, B.F. Murphy, N. Berrah, C. Bostedt, J.D. Bozek, S. Schorb, M. Messerschmidt, J.M. Glowina, J.P. Cryan, R. Coffee, O. Takahashi, S. Wada, M.N. Piancastelli, R. Richter, K.C. Prince and R. Feifel

Using covariance mapping to investigate the dynamics of multi-photon ionization processes of Ne atoms exposed to X-FEL pulses

Journal of Physics B: At. Mol. Opt. Phys. (special issue) **46**, 164034(1-8) (2013); Impact Factor: 1.792

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Effects of molecular potential and geometry on atomic core-level photoemission over an extended energy range- the case study of CO molecule

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**Note:** *Underlined authorship indicates equally contributed as co-first author.*

#### **Conference Papers (Refereed)**

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A study of the dynamical energy flow in uracil

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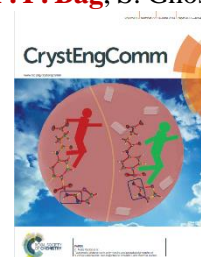
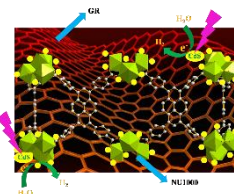
Interatomic Coulombic decay processes after multiple valence excitation in Ne clusters

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**Dr. Partha Pratim Bag**

## Research Publications

1. **Efficient photocatalytic hydrogen evolution under visible light by ternary composite CdS@NU-1000/RGO**, **P. P. Bag\***, X.-S. Wang, P. Sahoo, J. Xiong and R. Cao, *Catal. Sci. Technol.*, **2017**, 7, 5113.
2. **Outstanding drug loading capacity by water stable microporous MOF: A potential drug carrier**: **P. P. Bag**, D. Wang, Z. Chen and R. Cao, *Chem. Commun.*, **2016**, 52, 3669.
3. **Microwave-assisted large scale synthesis of lanthanide metal–organic frameworks (Ln-MOFs), having a preferred conformation and photoluminescence properties**: **P. P. Bag**, X.-S. Wang and R. Cao, *Dalton Trans.*, **2015**, 44, 11954.
4. **Drug–drug salt forms of ciprofloxacin with diflunisal and indoprofen**: **P. P. Bag**, S. Ghosh, H. Khan, R. Devarapalli and C. M. Reddy. *CrystEngComm*, **2014**, 16, 7393.
5. **Tautomeric preference in polymorphs and pseudopolymorphs of succinylsulfathiazole: Fast evaporation screening and thermal studies**: **P. P. Bag**, K. R. Reddy and C. M. Reddy. *CrystEngComm*, **2014**, 16, 4706. (Highlighted as *CrystEngComm* Hot article) (Inside cover page)
6. **Tramadol hydrochloride and its acetonitrile solvate: Crystal Structure Analysis and Thermal Studies**: **P. P. Bag**, and C. M. Reddy. *PNAS, India Sec. A: Phy. Sci.*, **2014**, 84(2), 235. (Special issue, invited).
7. **Screening and selective preparation of polymorphs by fast evaporation method: A case study of aspirin, anthranilic acid and niflumic acid**: **P. P. Bag** and C. M. Reddy, *Cryst. Growth Des.*, **2012**, 12, 2740.
8. **Direct correlation among crystal structure, mechanical behaviour and tableability in a trimorphic molecular compound**: **P. P. Bag**, M. Chen, C. C. Sun and C. M. Reddy, *CrystEngComm*, **2012**, 14, 3865. (Highlighted as *CrystEngComm* Hot article)
9. **A kinetically controlled crystallization process for identifying new co-crystal forms: fast evaporation of solvent from solutions to dryness**: **P. P. Bag**, M. Patni and C. M. Reddy, *CrystEngComm*, **2011**, 13, 5650.
10. **Co-Crystals of sulfamethazine with some carboxylic acids and amides: Co-former assisted tautomerism in an active pharmaceutical ingredient and hydrogen bond competition study**: S. Ghosh, **P. P. Bag** and C. M. Reddy, *Cryst. Growth Des.*, **2011**, 11, 3489. (Most read article)
11. **Heterometallic cluster-based indium–organic frameworks**: J. Qian, F. Jiang, K. Su, J. Pan, Z. Xue, L. Liang, **P. P. Bag** and M. Hong. *Chem. Commun.*, **2014**, 50, 15224.
12. **Correlation among crystal structure, mechanical behavior, and tableability in the co-crystals of vanillin isomers**: G. R. Krishna, L. Shi, **P. P. Bag**, C. C. Sun, and C. M. Reddy, *Cryst. Growth Des.*, **2015**, 15 (4), 1827.
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15. **Chemical tweaking of non-fluorescent GFP chromophore to highly fluorescent coumarinic fluorophore: application towards photo-uncaging and stem cell imaging:** T. Chatterjee, D. Roy, A. Das, A. Ghosh, **P. P. Bag** and P. K. Mandal, *RSC Adv.*, **2013**, 3, 24021.
16. **Synthesis, X-ray structural and magnetic characterizations, and epoxidation activity of a new bis( $\mu$ -acetato)( $\mu$ -alkoxo)dinuclear iron(III) complex:** B. Biswas, M. Mitra, J. Adhikary, G. R. Krishna, **P. P. Bag**, C. M. Reddy, N. A. Alcalde, T. Chattopadhyay, D. Das and Rajarshi Ghosh, *Polyhedron*, **2013**, 53, 264.
17. **Copper(II) complexes with a (N,O)-donor Schiff base ligand: Syntheses, crystal structure, DNA interaction study and molecular docking:** D. Dey, S. Pal, **P. P. Bag**, S. Saha, S. Chandraleka, D. Dhanasekaran, N. Kole and B. Biswas, *J. Ind. Chem.*, **2015**, 92, 191.
18. **Ligand template synthesis of an undecametallic iron(III) complex: X-ray structure, magnetism and catecholase activity:** S. K. Mal, M. Mitra, B. Biswas, G. Kaur, **P. P. Bag**, C. M. Reddy, A. R. Choudhury, N. A. Alcalde, R. Ghosh, *Inorg. Chim. Acta*, **2015**, 425, 61.

#### Conference Papers:

1. **Photocatalytic water splitting for H<sub>2</sub> production: P. P. Bag\***, NCSD-2019, RBS Engineering Technical Campus, Agra, India on March 8-9<sup>th</sup>, **2019**.
2. **MOF derived CoFeN/C materials as electrocatalysts for ORR and OER: P. P. Bag**, P. Q. Liao, J. P. Zhang, X. M. Chen, *Foundations of Crystallography*70, C1267, **2017**.

#### Book Chapters

1. P. P. Bag and P. Sahoo, Book Chapter 6 on “**Designing Metal-Organic Frameworks-Based Photocatalyst for Specific Photocatalytic Reactions: A Crystal Engineering Approach**” in “**Green Photocatalyst for energy and environmental Process**”, *Springer Nature International Publishers*, Vol. 36, **2019**, ISBN: 978-3-030-17637-2 (DOI: 10.1007/978-3-030-17638-9\_6).
  2. P. P. Bag, Book Chapter 28 on “**Terrifying effect on biosphere by Ozone layer depletion**” in “**Environmental Education and Social Science**”, *House of Journal Publishers*, **2019**, ISBN: 978-81-940502-5-4.
  3. P. P. Bag, Book Chapter 1, on “**Bengali, the Sweetest Language in the World: Pride of Indian literature**” in “**Indian English Literature Texts and Contexts**”, *Vishwabharati Research Centre Publishers*, Anthology 2, p.p. 26, **2019**, ISBN: 978-93-89264-01-2.
  4. P. P. Bag and S. Satpathy, Book Chapter, on “**English in 21st century: The precious communicating gateway**” in “**Pedagogy of English (English: A global language)**.” (accepted)
8. Workshop/Seminar/Short Term course attended:

**Mr. Ratan Kumar Bose**

Dumka Engineering College

1. Training on Student Learning Assessment orientation workshop at AICTE, NEWDELHI.
2. Work shop on Outcome Based Education at IIM Udaipur
3. Work shop on Outcome Based Education at IIT Gandhinagar.
4. Training program of Financial Management & PFMS at SGSITS Indore
5. Faculty Development Program on Effective Teaching at Dumka Engineering College
6. Professional Development Training on Team Management, Efficient way of teaching, Stress Management at IIM Kashipur.
7. “INTERNATIONAL SYMPOSIUM ON CHEMISTRY FOR ENGINEERS-2019 (ISCFE-2019)” at Dumka Engineering College

#### **Mr. Bumba Ganrai**

1. Professional Development Training on Team Management, Efficient way of teaching, Stress Management at IIM Raipur.
2. “INTERNATIONAL SYMPOSIUM ON CHEMISTRY FOR ENGINEERS-2019 (ISCFE-2019)” at Dumka Engineering College
3. Work shop on Outcome Based Education at IIT Gandhinagar.
4. Faculty Development Program on Effective Teaching at Dumka Engineering College

#### **Mrs. Aneswa Dey**

1. “INTERNATIONAL SYMPOSIUM ON CHEMISTRY FOR ENGINEERS-2019 (ISCFE-2019)” at Dumka Engineering College
2. Faculty Development Program on Effective Teaching at Dumka Engineering College

#### **Dr. Subhendu Mondal**

1. Conducted one-day seminar on “Advanced Engineered Materials” on 30<sup>th</sup> January 2019.
2. Presented an invited talk entitled “Study of ultrafast quantum dynamics induced by 3<sup>rd</sup> generation Synchrotron radiation and Free-Electron Laser pulse” at the National Conference on Advances in Spectroscopic Techniques and Materials held at Department of Applied Physics; Indian Institute of Technology (ISM) Dhanbad, Jharkhand India during March 14 - 16, 2018.
3. Participated a Professional Development Training at the Indian Institute of Management Udaipur during June 10-14, 2019.
4. S. Mondal, Free-electron laser pulse and 3<sup>rd</sup> generation synchrotron radiation induced ultrafast quantum dynamics, International Conference of Advancement in Science & Technology, Visva-Bharti University, India, September 3 – 4, 2018
5. S. Mondal, Study of ultrafast quantum dynamics induced by 3<sup>rd</sup> generation Synchrotron radiation and Free-Electron Laser pulse National Conference on Advances in Spectroscopic Techniques and Materials Department of Applied Physics; Indian Institute of Technology (ISM) Dhanbad, Jharkhand India; March 14 - 16, 2018
6. S. Mondal, J. Lower, R. P. McEarcharan and S. Buckman, Electron impact near-threshold electronic excitation differential cross sections of argon, University of Western Australia, Perth, Australia; 24 - 28 November 2008.
7. S. Mondal and R. Shanker, Doppler effect in fluorine K-Auger electrons produced in electron induced core ionization of SF<sub>6</sub>. 2<sup>nd</sup> International Conference on Current Developments in Atomic, Molecular & Optical Physics with Applications; Delhi University, Delhi, India; March 21-23, 2006.

8. S. Mondal and R. Shanker, Doppler effect in fluorine K-Auger electrons produced in electron induced core ionization of SF<sub>6</sub>. 15<sup>th</sup> National Symposium of Spectroscopy and its Applications; Indian Association for the Cultivation of Science, Jadavpur, Kolkata, India; January 18 – 20, 2006.
9. S. Mondal and R. Shanker, Partial double differential cross section of electron impact multiple ionization of argon; National Conference on Atomic and Molecular Physics; Physical Research Laboratory, Ahmedabad, India; December 20 – 24, 2004.
10. S. Mondal and R. Shanker, Interference effect in ejected electrons from SF<sub>6</sub> by keV electron impact; 18<sup>th</sup> National Symposium on Plasma Science & Technology; Birla Institute of Technology Mesra; December 08 – 11, 2003.
11. S. Mondal and R. Shanker, Energy and angular distributions of electrons ejected from CH<sub>4</sub> and C<sub>3</sub>H<sub>8</sub>; 14<sup>th</sup> National Conference on Atomic and Molecular Physics; Visva-Bharati, Santinikatan, India; January 28 – February 1, 2003

### Dr. Partha Pratim Bag

- Organized one symposium as coordinator, “**INTERNATIONAL SYMPOSIUM ON CHEMISTRY FOR ENGINEERS-2019 (ISCFE-2019)**” at Dumka Engineering College, Jharkhand on 1-3<sup>rd</sup> February, **2019**.
- Organized one day seminar as organizing member, “**ADVANCED ENGINEERING MATERIALS**” at Dumka Engineering College, Jharkhand on 30<sup>th</sup> January, **2019**.
- **P. P. Bag**, "*Photocatalytic water splitting for hydrogen production*" at the *National Conference on “Advances in Chemistry, Food Technology and Environmental Sciences towards Sustainable Development” (NCSD-2019)*, RBS Engineering Technical Campus, Agra, India, held on March 8-9<sup>th</sup>, **2019**. (**Invited talk**)
- **P. P. Bag**, "*Photocatalytic water splitting for hydrogen production*" at the *National Conference on “Advances in Chemistry, Food Technology and Environmental Sciences towards Sustainable Development” (NCSD-2019)*, RBS Engineering Technical Campus, Agra, India, held on March 8-9<sup>th</sup>, **2019**. (**Invited talk**)
- **Professional Development Training for National Project Implementation Unit**, IIM Indore May27-31<sup>st</sup>, **2019**.
- **P. P. Bag**, "*MOFs as efficient electrocatalysts for oxygen evolution reaction*" at the *24th International Union of Crystallography (IUCr 2017)*, Hyderabad, India, held on August 21-28<sup>th</sup>, **2017**. (**Invited talk on behalf of Professor Jie-Peng Zhang**)
- **P. P. Bag** and Rong Cao, “*An efficient photocatalyst for water splitting under visible light: A case study of NU-1000*” at the *24th International Union of Crystallography (IUCr 2017)*, Hyderabad, India, held on August 21-28<sup>th</sup>, **2017**. (**Poster presentation**)
- **P. P. Bag** and C. M. Reddy, “*Polymorphs and Pseudopolymorphs of Succinylsulfathiazole: Screening by Fast Evaporation Method*” at the *Current Trends in Chemistry, 10th Symposium of CRSI Kolkata Chapter, IISER Kolkata, India*, held on August 8<sup>th</sup>, **2012**. (**Poster presentation**)

- **P. P. Bag** and C. M. Reddy, “*Screening and Selective Preparation of Polymorphs by Fast Evaporation Method: A Case Study of Aspirin, Anthranilic Acid, and Niflumic Acid*”, at Diamond Jubilee Symposium On Recent Trends in Chemistry (DJSRTC), IIT Kharagpur, India, held on October 21-23<sup>rd</sup>, **2011. (Poster presentation)**
- **P. P. Bag**, M. Patni and C. M. Reddy, “*A kinetically controlled crystallization process for identifying new co-crystal forms: fast evaporation of solvent from solutions to dryness*”, at International Conference on the Chemistry of the Organic Solid State XX (ICCOSS XX), Bangalore, India, held on June 26-30<sup>th</sup>, **2011. (Poster presentation)**
- **P. P. Bag** and C. M. Reddy, “*Rapid crystallization process for identifying new co-crystal forms: fast evaporation of solvent from solutions to dryness*” at the 1<sup>st</sup> in-house symposium of IISER Kolkata, India, held on December 30-31<sup>st</sup>, **2010. (Poster presentation)**
- **P. P. Bag**, and C. M. Reddy, “*A quick and efficient method for the screening of co-crystals and polymorphs*” at the “2<sup>nd</sup> Inter IISER chemistry Meet” at IISER Kolkata, India, held on December 30-31<sup>st</sup>, **2009. (Poster presentation)**

8. Technical Assistant:

Mr. Raju Mukherjee, M.Sc. Chemistry (Pursuing).

Mr Dinabandhu Mandol, M. Sc Physics

### CENTRAL FACILITY AND SERVICE

**Computer Centre:** The computer Lab serves as Institute’s computing and networking Lab. It houses more than hundred machines and also provides high speed Internet access to the students

**Central Library:** The central Library has Reading Rooms for students and Faculty. It has two Stack Room, one discussion room, E-Library room. Library consists of more than twenty-two Thousand books.

**Guest House:** The Institute also maintains a Guest House, situated in residential Area, for providing accommodation for visitors

**Technical Events Organised in Academic year 2018-19.**





Sl. No	Event Name	Department	Date of Event	Pictures
.				




1.	<p><b>One day Awareness Workshop</b></p> <p>by Prof. S. S. Das Ms. Jayanthi Raman Mr. Lenis Thomas NPTEL Local Chapter, IIT Kharagpur</p>	<p>Organized by CSE</p> <p>Participants: All Depts.</p>	29 <sup>th</sup> June, 2018	 
2.	<p><b>Faculty Development Programme on Effective Teaching</b></p> <p>jointly organized by</p> <p>DEC and NIT Durgapur</p>	All Faculties	8 <sup>th</sup> – 10 <sup>th</sup> July, 2018	

				
3.	<p><b>2 days Industrial Talk on Industrial Glimpses on Thermal Power Engineering</b></p> <p>by Mr. P. K. Gupta, DTSP, DVC</p>	<p>Organized by ECE</p> <p>Participants: All Depts.</p>	<p>30<sup>th</sup> -31<sup>th</sup> July, 2018</p>	 



4.	<p><b>TEQIP III Sponsored One Day Guest Lecture on Database Management System</b></p> <p>by Dr. Parag Thakur Guhakarta, NIT Durgapur</p>	<p>Organized by CSE</p> <p>Participants: CSE, EE</p>	<p>10<sup>th</sup> August, 2018</p>	
5.	<p><b>TEQIP III Sponsored One Day Seminar on Smart Grid</b></p> <p>jointly organized by DEC and NIT Durgapur</p>	<p>Organized by EE</p> <p>Participants: EE</p>	<p>31<sup>st</sup> August, 2018</p>	

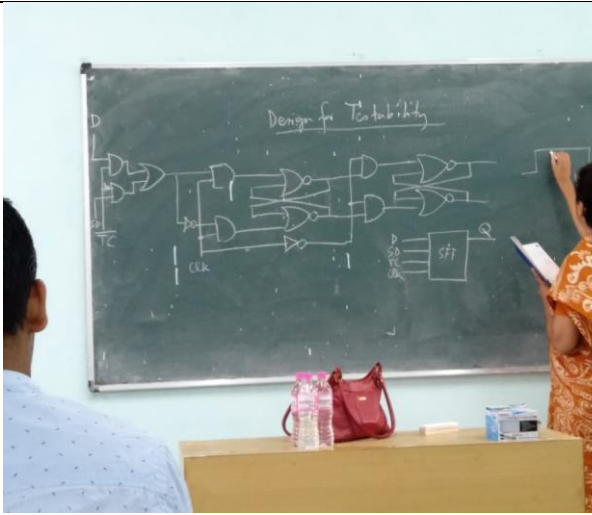

				
7.	<p><b>TEQIP III Sponsored Certification Course on Microcontroller and Microcontroller Based Embedded System Design</b></p> <p>by Dr. Sudipto Chakraborty</p>	<p>Participants: ECE, CSE, EE</p>	<p>05<sup>th</sup> – 11<sup>th</sup> January, 2019</p>	 
8.	<p><b>2 Day workshop on 'Spintronics and Optoelectronic Device'</b></p> <p>by Prof. J N Roy, Dr. Puja Dey, Dr. Arindam Biswas</p>	<p>Organized by BSH</p> <p>Participants: All Depts.</p>	<p>16<sup>th</sup>- 17<sup>th</sup> January, 2019</p>	

				
9.	<b>TEQIP III Sponsored Seminar on Computer Organization (Brief Memory management)</b> by Dr. Bibhash Sen, NIT Durgapur	Organized by CSE  Participants: CSE	23 <sup>rd</sup> January, 2019	
10.	<b>TEQIP III Sponsored 1 Day Seminar on Advancement in Structural Engineering</b> by Prof. A K. Banik, NIT Durgapur	Organized by CE  Participants: CE	25 <sup>th</sup> January, 2019	



				
<p>11.</p>	<p><b>One Day Seminar on “Advanced Engineering Materials”:</b> by Prof. P. Kumbhakar, NIT Durgapur &amp; Prof. A. K. Maikap, NIT Durgapur</p>	<p>Organized by BSH  Participants: CSE, ECE, EE</p>	<p>30<sup>th</sup> January 2019</p>	 

12.	<p><b>TEQIP III Sponsored International Symposium on Chemistry for Engineers- 2019</b></p>	<p>Organized by BSH</p> <p>Participants: All Depts.</p>	<p>1<sup>st</sup> – 3<sup>rd</sup> February 2019</p>	 
13.	<p><b>CAD/CAM TRAINING</b></p>	<p>Organized by ME</p> <p>Participants: ME</p>	<p>8<sup>th</sup> February , 2019</p>	

				
14.	<b>One day's Technical visit to Durgapur Thermal Power Station, DVC</b>	Organized by ECE Participants: ECE, EE	26 <sup>th</sup> March, 2019	 
15.	<b>TEQIP III Sponsored Faculty Development Program on Testing Of Digital Circuits</b>  by Prof (Dr). Suchismita Roy,	Organized by CSE Participants: CSE, ECE, EE	11 <sup>th</sup> – 13 <sup>th</sup> April 2019	




	<p><b>Dr. Bibhash Sen, NIT Durgapur</b></p>			
16.	<p><b>TEQIP III Sponsored GUEST LECTURE SESSION on SOIL DYNAMICS</b></p> <p><b>BY Dr. SUPRIYA PAL, NIT Durgapur</b></p>	<p>Organized by CE</p> <p>Participants: CE</p>	<p>7<sup>TH</sup> AUGUS T, 2019</p>	

### Non-Technical Events in Academic year 2018-19.




Sl. No	Event Name	Date of Event	Pictures
1.	Blood Donation Camp	30 <sup>th</sup> June, 2018	 



2.	<b>Induction Program , 2018</b>	16 <sup>th</sup> August- 13 <sup>th</sup> September , 2018	  
----	---------------------------------	--	---

4.	<b>Tecurios, 2019</b>	26 <sup>th</sup> -27 <sup>th</sup> February, 2019	 
5.	<b>Annual Sports Day</b>	21 <sup>st</sup> – 23 <sup>rd</sup> February, 2019	

			 
6.	<b>Fanatik, 2019</b>	27 <sup>th</sup> -28 <sup>th</sup> February, 2019	

			 
7.	<b>Art of Living – SELP Program</b>	1 <sup>st</sup> - 6 <sup>th</sup> April 2019	

## 5. Financial Audit Details

**CA S. JAYKISHAN**  
Chartered Accountants

C-218, Road No.2, Ashok Nagar, Ranchi-834002  
Phone No.- 0651-241237  
Mobile No.- 9431126543, 9798503033  
E-mail : akdranchijc@gmail.com

Ref 59/2018

Date: 4.6.18

### Auditor's Report

#### Report on the Project Financial Statements of **DUMKA ENGINEERING COLLEGE** **DUMKA , Jharkhand**

We have audited the accompanying financial statements of **Dumka Engineering College**, **Dumka**, the Project financed under World Bank which comprise the Statement of Sources and Applications of Funds and the Reconciliation of Claims to Total Applications of Funds for the year ended **31<sup>st</sup> March 2019**. These statements are the responsibility of the Project's management. Our responsibility is to express an opinion on the accompanying financial statements based on our audit.

We conducted our audit in accordance with the Engagement and Quality Control Standards Promulgated by the Institute of Chartered Accountants of India (ICAI). Those Standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall statement presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion, the financial statements present fairly, in all material respects, the sources and applications of funds of TEQIP under the unit of 'NPIU'/SPIU Project for the year ended 31<sup>st</sup> March 2019 in accordance with accounting principles generally accepted in India. In addition, in our opinion, (a) with respect to FMRs, adequate supporting documentation has been maintained to support claims to the World Bank for reimbursements of expenditures incurred; and (b) except for ineligible expenditures as detailed in the audit observations, if any, appended to this audit report, expenditures are eligible for financing under the Credit Agreement. During the course of the audit, FMRs and the connected documents were examined and these can be relied upon to support reimbursement under the Loan/Credit Agreement.

For S JAYKISHAN  
Chartered Accountants

(CA J JAIPURIAR, PARTNER)  
[Auditor's Signature]



**S. JAYKISHAN**  
Chartered Accountants

C-218, Road No.2, Ashok Nagar, Ranchi-834002  
Phone No.- 0651-241237  
Mobile No.- 9431126543, 9798503033  
E-mail : akdranchijjc@gmail.com

Date:.....

Area checked Auditor's Comments

**Annex-XIX**

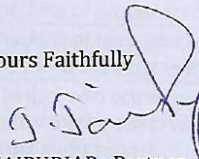
**TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME [TEQIP] PHASE - III**

To  
The Principal  
Dunka Engineering College  
Dumka , Jharkhand

**Sub.: Management Letter**

Dear Sir,  
We have audited the financial statements of State Project Implementation Unit ,Jharkhand for the year ending 31<sup>st</sup> March 2019 and have issued our report dated 04-06-2019. We have checked various area of the institution and our cements are given in separate sheet attached herewith.

Yours Faithfully

  
J JAIPURIAR, Partner  
For S JAYKISHAN  
Chartered Accountants



Date :  
Place :

## DUMKA ENGINEERING COLLEGE, DUMKA

Annex – XXIII (e)

### UTILISATION CERTIFICATE FOR THE YEAR 2018-19

a) Opening Balance as on 1st April 2018	: NIL
b) Funds received from TEQIP-III-	: Rs. 2,94,91,929.00
Vide AITE A/C- 3702002100031759      dated ---Rs -----	
c) Interest earned on grant available for TEQIP only during the year (31st March 2019)	: Rs Nil
d) Other Income	: Rs Nil
e) Expenditure	: Rs. 2,94,91,929.00
(i) 1.1.1 Procurement	: Rs. 1,92,88,866.00
(ii) 1.1.2 Academic Process	: Rs. 42,14,007.00
(iii) 1.1.3 IOC	: Rs. 2,10,970.00
(iv) 1.1.4 Faculty Reforms	: Rs. 57,78,086.00
Unspent Balance	: Rs. Nil

Certified that a sum of **Rs. 2,94,91,929/- (Rupees Two Crore Ninety-four lacs ninety-one thousand nine hundred twenty-nine only)** only was received by Dumka Engineering Collage, Dumka, from State Government through above Account in various dates as per letter number and date mentioned above. It is also certified that out of the above-mentioned funds of **Rs. 2,94,91,929/ (Rupees Two Crore Ninety-four lacs ninety-one thousand nine hundred twenty-nine only)** only has been utilized by the Institution for the purpose for which it was sanctioned.

It is further certified that an unspent balance of **Rs. Nil (Rupee- Nil\_)** only is being carried forward for utilization in the next year.

We further certify that the conditions on which the grant was sanctioned have been fulfilled and where there has been any deviation from the sanctioned amount it is with prior approval of the Concerned authority. We have exercised reasonable checks to see that money has been actually utilized for the purpose for which it was sanctioned.

For S JAYKISHAN

Chartered Accountant

(Signature)

Place:- Ranchi



For Dumka Engineering College, Dumka



## Dumka Engineering College

(Estd. by Govt. of Jharkhand & run by Techno India under PPP)  
(Approved by AICTE, New Delhi & affiliated to Sidhu Kanhu Murmu University, Dumka)

Corporate Office : EM-4/1, Sector - V, Salt Lake, Kolkata - 700 091  
Phone : (91) 33-2357-6163/64/2658/1094. Fax : (91) 33-2357-2450

Annex-XVIII (c)

### MANAGEMENT ASSERTION LETTER

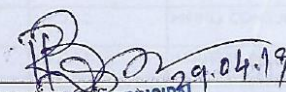
(Project: TEQIP III)

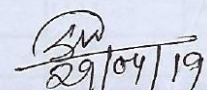
Date: 29.04.2019

To  
S JAYKISHAN  
Chartered Accountant  
C-218, Road No-2, Ashok Nagar,  
Ranchi-834002

This assertion letter is provided in connection with your audit of the financial statements of the TEQIP III Project for the year ended **31<sup>st</sup> March 2019**. We acknowledge our responsibility for the fair presentation of the financial statements in accordance with the cash basis of accounting followed by the Project, and we confirm, to the best of our knowledge and belief, the following representations made to you during your audit:

- The project financial statements are free of material misstatements, including omissions.
- Project funds have been used for the purposes for which they were provided.
- Project expenditures are eligible for financing under the Credit agreement.
- There have been no irregularities involving management or employees who have a significant role in internal control or that could have a material effect on the project financial statements.
- We have made available to you all books of account and supporting documentation relating to the project.
- The project has complied with the conditions of all relevant legal agreements, including the Credit Agreement, the Project Appraisal Document, the Minutes of Negotiations, the Borrower's Project Implementation Plan, and Memorandum of Understanding

  
29.04.19  
(Senior Executive Vice-Chief Principal)  
Dr Palash Pal  
Principal  
Dumka Engineering College  
(Estd. by Govt. of Jharkhand & run by Techno India under PPP)  
Near Govt. Polytechnic College, P.O.- Shivpahar,  
Dumka, Jharkhand, Pin-814 101  
(Formerly Techno India Dumka)

  
29/04/19  
(Senior Financial Officer)

Mr Sujit Khamaru  
Coordinator, TEQIP III  
Dumka Engineering College  
(Formerly Techno India Dumka)  
COORDINATOR, TEQIP - III  
Dumka Engineering College  
(Estd. by Govt. of Jharkhand & run by Techno India under PPP)  
Near Govt. Polytechnic College, P.O. - Shivpahar,  
Dumka, Jharkhand. Pin - 814 101



Campus Address : Near Govt. Polytechnic College, P.O. - Shivpahar, P.S. - Dumka Town, Dist. - Dumka, Jharkhand, Pin - 814101  
Email : info.decjh@gmail.com



Annex -XVII

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP)  
PHASE- III

**DUMKA ENGINEERING COLLEGE, DUMKA**

TRIAL BALANCE

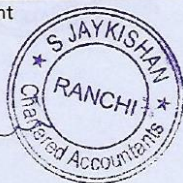
AS ON 31ST March 2019

NOP	L.F NO	HEAD OF ACCOUNT		DEBIT Rs.	CREDIT Rs
		Account Code	Description		
1			TEQIP-AICTE A/C 3702002100031759	-	2,94,91,929.00
2	1.1.1.1		EQUIPMENTS	1,86,13,194.00	
3	1.1.1.2		LEARNING RESOURCES	6,75,672.00	
4	1.1.1.3		FURNITURE & FIXTURE TEQIP III	-	
5	1.1.1.4		MINOR CIVILWORK	-	
6	1.1.2.1		IMPROVE STUDET LEARNING	22,83,025.00	
7	1.1.2.2		RESEAR ASSISTANTSHIP	-	
8	1.1.2.3		GRADUATE EMPLOYABILITY	8,66,803.00	
9	1.1.2.4		FACULTY/STAFF DEVELOPMENT AND MOTIVATION	4,15,515.00	
10	1.1.2.5		RESEARCH AND DEVELOPMENT	85,990.00	
11	1.1.2.6		MOOCS AND DIGITAL LEARNING	1,57,300.00	
12	1.1.2.7		MENTORING /TWINNING SYSTEM	21,333.00	
13	1.1.2.8		REFORMS AND GOVERNANCE	88,562.00	
14	1.1.2.9		MANAGEMENT CAPACITY DEVELOPMENT	1,08,492.00	
15	1.1.2.10		HIRING CONSULTANCY SERVICES	-	
16	1.1.2.11		INDUSTRY INSTITUTE INTERACTION	1,86,987.00	
17	1.1.3.1		CONSUMABLES	-	
18	1.1.3.2		OPERATION AND MAINTANENCE OF EQUIPMENTS	-	
19	1.1.3.3		OFFICE EXPENSES	34,812.00	
20	1.1.3.4		MEETINGS	9,931.00	
21	1.1.3.5		HIRING OF VEHICLES	3,413.00	
22	1.1.3.6		TRAVEL COST	1,62,814.00	
23	1.1.3.7		SALARY	-	
24	1.1.4.1		FACULTY REFORMS	57,78,086.00	
			<b>Total</b>	<b>2,94,91,929.00</b>	<b>2,94,91,929.00</b>

\* with respect to chart of account

For S JAYKISHAN  
Chartered Accountants

Signature



For Dumka Engineering College



Annex -XVIII

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP)  
PHASE- III  
**DUMKA ENGINEERING COLLEGE, DUMKA**  
BANK RECONCILIATION STATEMENT

SL.NO	PARTICULARS		AMOUNT (Rs)	AMOUNT (Rs)
A	Balance as per Bank statement			
B	ADD:			-
	i)	Amount Deposited but not Credited by Bank		-
	ii)	Amount debited but not taken to Cash Book		-
C	SUB TOTAL (a+b)			-
D	LESS:			
	i)	Cheques issued but not presented in the bank		-
	ii)	Amount Credited by bank but not taken to Cash Book		-
E	Balance as per Cash Book(C-D)			-

List of Cheques not presented in the Bank as per D(i)	Amount Rs.	Date of Encashment
Cheque No.		
		0
Total		

For S JAYKISHAN  
Chartered Accountant

Signature



For Dumka Engineering College



Annex -XIX

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP)  
PHASE- III  
**DUMKA ENGINEERING COLLEGE, DUMKA**  
RECEIPT AND PAYMENT ACCOUNT

FOR THE MONTH OF / QUARTER OF  
(From 01.04.2018 to 31.03.2019)

SL.NO	RECEIPT		PAYMENTS	
	Particlars	Current Year Amount Rs	Particlars	Current Year Amount Rs.
	Opening Balance		Release to	
	a)Cash	-	Payment to Consultants seminars and workshops (1.1.2)	42,14,007.00
	b)Bank (PFMS)	-	Procurement of Assets (1.1.1)	1,92,88,866.00
	Received from TEQIP-III	2,94,91,929.00	Administration Expenditure (1.1.3)	2,10,970.00
			Salary TEQIP Faculty (1.1.4)	57,78,086.00
	Other Receipts, If any	-	Closing Balance	-
			a)Cash	-
			b)Bank	-
	<b>Total</b>	<b>2,94,91,929.00</b>		<b>2,94,91,929.00</b>

For S JAYKISHAN  
Chartered Accountants

Signature



For Dumka Engineering College



Annex -XIX

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP)  
PHASE- III

**DUMKA ENGINEERING COLLEGE, DUMKA**

BALANCE SHEET AS AT 31ST MARCH 2019

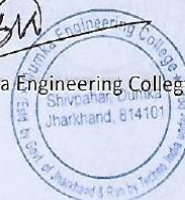
SL.NO	PARTICULARS	SCH NO	CURRENT YEAR	PREVIOUS YEAR
A	<b>SOURCES OF FUND</b>			
	1)Amount received from TEQIP III		-	-
	2)Contribution from		-	-
	3)Excess of income over expenditure		-	2,17,25,529
	Opening		2,17,25,529	
	Current Year		1,92,88,866	
	<b>TOTAL</b>		<b>4,10,14,395</b>	<b>2,17,25,529</b>
B	<b>APPLICATION FUND</b>			
	<b>1)Fixed Assets</b>			
	1.1.1 PROCUREMENT		4,10,14,395	2,17,25,529
	<b>2)WIP-Scheme work Under implementation</b>		-	-
	<b>3)Current Assets,Loan &amp; Advances</b>		-	-
	a.Cash balance		-	-
	b.Bank Balance		-	-
	c.Advance for Capital goods		-	-
	d.Loan & Advances		-	-
	<b>4) Misc Expenses (Assets)</b>		-	-
C	<b>Less:Current Liabilities</b>			
	<b>TOTAL</b>		<b>4,10,14,395</b>	<b>2,17,25,529</b>

For S JAYKISHAN  
Chartered Accountants

Signature



For Dumka Engineering College



Annex - XVIII (a)  
TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP PHASE II)  
**DUMKA ENGINEERING COLLEGE**  
Statement of Sources and Application of Funds  
Report for the year ended 31st March 2019

Particulars	Current Year	Previous Year	Project to Date
Opening Balance (A)			
Receipts			
Expenditure			
Balance			

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP PHASE II)

**DUMKA ENGINEERING COLLEGE, DUMKA**

INCOME AND EXPENDITURE ACCOUNT for the year ended 31st MARCH 2019

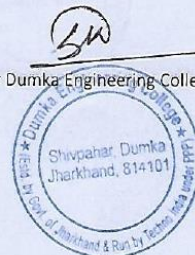
EXPENDITURE			INCOME		
PREVIOUS YEAR	PARTICULARS	AMOUNT	PREVIOUS YEAR	PARTICULARS	AMOUNT
	Payment to Consultants			Receipt from NPIU/ TEQIP	
6,92,723.00	seminars and workshops (1.1.2)	42,14,007.00	2,38,14,112.00		2,94,91,929.00
1,78,201.00	Administration Expenditure (1.1.3)	2,10,970.00			
12,17,659.00	Salary (1.1.4)	57,78,086.00			
2,17,25,529.00	Excess of income over Expenditure	1,92,88,866.00			
2,38,14,112.00	Total	2,94,91,929.00		Total	2,94,91,929.00

For S JAYKISHAN  
Chartered Accountants

Signature



For Dumka Engineering College



## Annex - XVIII (a)

## TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP PHASE III)

## DUMKA ENGINEERING COLLEGE

## Statement of Sources and Application of Funds

Report for the year ended 31st March 2019

In Rs. Lakhs

Particulars	Current Year	Previous Year	Project to date
Opening Balance (A)	NIL	NIL	
<b>Receipts</b>			
shown in PFMS (Funds made available by	294.91	238.14	
Less: Debit Failures			
Other Receipts	NIL	NIL	
<b>Total Receipts (B)</b>			
<b>Total Sources (C=A+B)</b>	294.91	238.14	
<b>Expenditures by Component</b>			
A. Payment to consultant, seminars and workshops	99.92	19.11	
<b>B. Procurement of Assests</b>	192.88	217.25	
C. Administrative Expenditure	2.11	1.78	
<b>D. Unspent amount Refunded</b>	NIL	NIL	
<b>Total Expenditures (D)</b>	294.91	238.14	
<b>Closing Balance (C-D)</b>	NIL	NIL	

For S JAYKISHAN  
Chartered Accountants

Signature



For Dumka Engineering College



Annex - XVIII(b)

**Name of the Project - (TEQIP - III)**  
**Dumka Engineering College, Dumka**  
**Reconciliation of Claims to Total Applications of Funds**  
**Report for the year ended 31st March 2019**

	Schedules		
	Amt. (Rs. Lakhs)		
	Current Year	Previous Year	Project to Date
Bank Funds claimed during the year (A)	294.91	238.14	
Other Receipts	NIL	NIL	
Total Fund Available	294.91	238.14	
Total Expenditure made during the year (B)	294.91	238.14	
Less: Outstanding Bills(C)	NIL	NIL	
Ineligible expenditures (D)	NIL	NIL	
Expenditures not claimed (E)	NIL	NIL	
Total Eligible Expenditures Claimed (F)=(B)-(C)-(D)-(E)	294.91	238.14	
World Bank Share @ x% of (F) above (G)			

*S.M.*  
 COORDINATOR, TEQIP - III  
 Dumka Engineering College  
 (Estd. by Govt. of Jharkhand & run by Techno India under PPP)  
 Near Govt. Polytechnic College, P.O. - Shivpahar,  
 Dumka, Jharkhand, Pin - 814 101

*Ratan Kumar Bose*  
 Project Director  
 Dumka Engineering College  
 (Estd. by Govt. of Jharkhand & run by Techno India under PPP)  
 Near Govt. Polytechnic College, P.O.-Shivpahar,  
 Dumka, Jharkhand, Pin-814 101

Date

Date



Annex -XXI

**TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME [TEQIP]  
PHASE – III**

**Report - 1 : PFMS RECONCILIATION STATEMENT**

**QUARTERLY**

Sl. No.	Statement of Expenditure	Amount Rs.	Amount Rs.
A	Expenditure as per PFMS Statement (According to M-32 Report)	1,38,07,948	
B	Less: Debit failures (payments not made by PFMS but shown in the expenditure) - (Report EP - 04)	NIL	
C	Expenditure as per books of accounts (A - B)	1,38,07,948	

**Report - 2 : STATUS OF ADVANCES**

**QUARTERLY**

Sl. No.	Date	Amount Rs.	Amount Rs.
A	Opening Balance as on 1st day of the quarter	NIL	
B	Plus: Advances paid in the quarter	NIL	
C	Less: Adjustment/Settlement of Advances	NIL	
D	Balance as on Last date of Quarter	NIL	





**Report - 2 (a) : AGEING OF ADVANCES**

Sl. No.	Particulars	Period	Amount Rs.	Amount Rs.
1	Ageing of Advances in Closing Balance	upto 15 days	NIL	
		upto 30 days	NIL	
		more than 30 days	NIL	

**Report - 3 : PHYSICAL AND FINANCIAL PROGRESS (PROCUREMENT)**

**QUARTERLY**

Name of the Institute: Dumka Engineering College

Period of the Quarter: 01.04.18 to 30.06.18

Sl. No.	Particulars	Amount Rs.
A	Procurement made during the quarter as per PFMS report	1,09,72,885.00
B	Procurement made during the quarter as per PMSSS report	1,09,72,885.00
C	Variation if any	NIL
D	Reasons for the variations	NA

Note:

1. All the above three reports shall be submitted by the 1.1 and 1.2 institutions to SPIU for monitoring and SPIU will send the consolidated report to NPIU.
2. All 1.3 institutions shall submit the above reports directly to NPIU.



Annex -XXI

**TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME [TEQIP]  
PHASE – III**

**Report - 1 : PFMS RECONCILIATION STATEMENT**

**QUARTERLY**

Sl. No.	Statement of Expenditure	Amount Rs.	Amount Rs.
A	Expenditure as per PFMS Statement (According to M-32 Report)	92,36,763	
B	Less: Debit failures (payments not made by PFMS but shown in the expenditure) - (Report EP - 04)	NIL	
C	Expenditure as per books of accounts (A - B)	92,36,763	

**Report - 2 : STATUS OF ADVANCES**

**QUARTERLY**

Sl. No.	Date	Amount Rs.	Amount Rs.
A	Opening Balance as on 1st day of the quarter	NIL	
B	Plus: Advances paid in the quarter	NIL	
C	Less: Adjustment/Settlement of Advances	NIL	
D	Balance as on Last date of Quarter	NIL	



**Report - 2 (a) : AGEING OF ADVANCES**

Sl. No.	Particulars	Period	Amount Rs.	Amount Rs.
1	Ageing of Advances in Closing Balance	upto 15 days	NIL	
		upto 30 days	NIL	
		more than 30 days	NIL	

**Report - 3 : PHYSICAL AND FINANCIAL PROGRESS (PROCUREMENT)**

**QUARTERLY**

**Name of the Institute: Dumka Engineering College**

**Period of the Quarter: 01.07.18 to 30.09.18**

Sl. No.	Particulars	Amount Rs.
A	Procurement made during the quarter as per PFMS report	69,69,554
B	Procurement made during the quarter as per PMSSS report	69,69,554
C	Variation if any	NIL
D	Reasons for the variations	NA

**Note:**

1. All the above three reports shall be submitted by the 1.1 and 1.2 institutions to SPIU for monitoring and SPIU will send the consolidated report to NPIU.
2. All 1.3 institutions shall submit the above reports directly to NPIU.



Annex -XXI

**TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME [TEQIP]  
PHASE – III**

**Report - 1 : PFMS RECONCILIATION STATEMENT**

**QUARTERLY**

Sl. No.	Statement of Expenditure	Amount Rs.	Amount Rs.
A	Expenditure as per PFMS Statement (According to M-32 Report)	33, 71, 818	
B	Less: Debit failures (payments not made by PFMS but shown in the expenditure) - (Report EP - 04)	NIL	
C	Expenditure as per books of accounts (A - B)	33, 71, 818	

**Report - 2 : STATUS OF ADVANCES**

**QUARTERLY**

Sl. No.	Date	Amount Rs.	Amount Rs.
A	Opening Balance as on 1st day of the quarter	NIL	
B	Plus: Advances paid in the quarter	NIL	
C	Less: Adjustment/Settlement of Advances	NIL	
D	Balance as on Last date of Quarter	NIL	



**Report - 2 (a) : AGENING OF ADVANCES**

Sl. No.	Particulars	Period	Amount Rs.	Amount Rs.
1	Ageing of Advances in Closing Balance	upto 15 days	NIL	
		upto 30 days	NIL	
		more than 30 days	NIL	

**Report - 3 : PHYSICAL AND FINANCIAL PROGRESS (PROCUREMENT)**

**QUARTERLY**

**Name of the Institute: Dumka Engineering College**

**Period of the Quarter: 01.10.18 to 31.12.18**

Sl. No.	Particulars	Amount Rs.
A	Procurement made during the quarter as per PFMS report	13,46,427
B	Procurement made during the quarter as per PMSSS report	13,46,427
C	Variation if any	NIL
D	Reasons for the variations	NA

**Note:**

1. All the above three reports shall be submitted by the 1.1 and 1.2 institutions to SPIU for monitoring and SPIU will send the consolidated report to NPIU.
2. All 1.3 institutions shall submit the above reports directly to NPIU.



Annex -XXI

**TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME [TEQIP]  
PHASE – III**

**Report - 1 : PFMS RECONCILIATION STATEMENT**

**QUARTERLY**

Sl. No.	Statement of Expenditure	Amount Rs.	Amount Rs.
A	Expenditure as per PFMS Statement (According to M-32 Report)	30,75,400	
B	Less: Debit failures (payments not made by PFMS but shown in the expenditure) - (Report EP - 04)	NIL	
C	Expenditure as per books of accounts (A - B)	30,75,400	

**Report - 2 : STATUS OF ADVANCES**

**QUARTERLY**

Sl. No.	Date	Amount Rs.	Amount Rs.
A	Opening Balance as on 1st day of the quarter	NIL	
B	Plus: Advances paid in the quarter	NIL	
C	Less: Adjustment/Settlement of Advances	NIL	
D	Balance as on Last date of Quarter	NIL	



**Report - 2 (a) : AGEING OF ADVANCES**

Sl. No.	Particulars	Period	Amount Rs.	Amount Rs.
1	Ageing of Advances in Closing Balance	upto 15 days	NIL	
		upto 30 days	NIL	
		more than 30 days	NIL	

**Report - 3 : PHYSICAL AND FINANCIAL PROGRESS (PROCUREMENT)**

**QUARTERLY**

**Name of the Institute: Dumka Engineering College**

**Period of the Quarter: 01.01.19 to 31.03.19**

Sl. No.	Particulars	Amount Rs.
A	Procurement made during the quarter as per PFMS report	NIL
B	Procurement made during the quarter as per PMSSS report	NIL
C	Variation if any	NIL
D	Reasons for the variations	NA

**Note:**

1. All the above three reports shall be submitted by the 1.1 and 1.2 institutions to SPIU for monitoring and SPIU will send the consolidated report to NPIU.
2. All 1.3 institutions shall submit the above reports directly to NPIU.



Financial Statement

**Dumka Engineering College**

**Audited Statement of account of 2018-19 (Income & Expenditure statement for complete year)**

Income			Expenditure		
Sl.No.	Details	Amount	Sl.No.	Details	Amount
1.	Tuition fees	19801229	1	Salary	9104061
2.	Other fee/amount collected from students		2.	Administrative expenses	
3.	Grant from Govt./ Private agencies		3.	Training and development	0
4.	Grants/Contribution from other sources (Management)		4.	Laboratory consumables	74951
5.	Scholarships received		5.	Library	658228
6.	Other Income	846602	6.	Travel	50975
			7.	Fees paid to university/Board/government /AICTE/UGC	300000
			8.	Repair and maintenance	0
			9.	Scholarships/Concessions/fellowships /Honorarium etc., awarded incurred (other than Govt. grants)	3582628
			10.	Expenditure of Grants received from Govt./ Private agencies	0
			11.	Depreciation	3537058
			12	Any other expenditure	16634442
	<b>Total</b>	<b>20647831</b>		<b>Total</b>	<b>33942343</b>

Principal

Auditor



**Audited Statement of account of 2017-18 (Income & Expenditure statement for complete year)**

Income			Expenditure		
S. No.	Items	Amount in absolute Rupees	S. No.	Items	Amount in absolute Rupees
1.	Grants Received from	0	1.	Salary, Allowances & Retirement Benefits	13,582,416
(i)	University Grants Commission	0	2.	Building (Construction and Maintenance)	0
(ii)	Distance Education Council	0	3.	Library & Laboratory	4,305,873
(iii)	Other Central Government Departments	0	4.	Research Activities	0
2.	Grant received State Government	0	5.	Scholarships	0
3.	Grant received from University	0	6.	Other Expenses	15,230,449
4.	Grant received from local bodies	0			
5.	Donations	0			
6.	Tuition Fee	29,690,823			
7.	Other Fees	0			
8.	Interests	0			
9.	Sale of Application form	0			
10.	Other Income	4,559,663			
	<b>Total</b>	<b>34,250,486</b>		<b>Total</b>	<b>33,118,738</b>

Principal

Auditor



# **DUMKA ENGINEERING COLLEGE**

**ANNUAL REPPORT  
AND  
AUDITED ANNUAL ACCOUNTS  
2018 - 2019**