

GOVERNMENT COLLEGE OF ENGINEERING, KEONJHAR

(A constituent college of BPUT, Rourkela)

Formerly known as Orissa School of Mining Engineering (Degree Stream), Keonjhar

At- Jamunalia, Post- Old Town, Dist- Keonjhar, 758002, Odisha

Phone: 06766-213180, Website: www.gcekjr.ac.in

ANNUAL REPORT (2018-19)

1. SEMINAR/CONFERENCES/WORKSHOP ORGANIZED BY THE VARIOUS DEPARTMENTS UNDER TEQIP-III PROGRAMME

- a. Department of Mining Engineering organized 2nd National Conference on “Current Practices in Mining and Allied Industries-CPMAI-2018” on 6th and 7th October, 2018.
- b. Department of Electrical Engineering organized an IEEE Conference on Computational Intelligence for Smart Power System and Sustainable Development from 25.10.2018 to 27.10.2018.
- c. Department of Mechanical Engineering organized a National Conference **ADVANCES IN MECHANICAL ENGINEERING (AME19)** on **ADVANCED TRENDS IN MECHANICAL ENGINEERING TOWARDS INDUSTRIAL SUSTAINABILITY** on 25th and 26th February, 2019.
- d. Department of Metallurgical and Material Engineering organized a National Conference on **RECENT ADVANCES IN MATERIAL SCIENCE AND TECHNOLOGY (RAMST-2019)** from 30th and 31st March 2019.

2. STUDENTS ATTENDED THE TECH FEST AT IITs, WORKSHOP AND CONFERENCE UNDER TEQIP-III PROGRAMME

S. NO.	DETAILS OF THE EVENT/ PROGRAM	DEPARTMENT/BRANCH/SEM OF THE STUDENTS ATTENDED THE PROGRAM	NO OF STUDENTS ATTENDED THE PROGRAM
1	Minovation-2018 at IIT BHU 28.09.2018 to 30.09.2018	3 rd Year Mining Engineering	12 Nos
2	Tech-fest Kshitij at IIT KGP 17-01-2018 to 21-01-2018	4 th Year Mechanical Engineering	04 Nos
3	Tech-Fest-2019 IIT KGP 18.01.2019 to 20.01.2019	3 rd Year Electrical Engineering	06 Nos
4	Workshop at ICT Mumbai (AOTI) 02.03.19	3 rd Year CSE, EE, Mineral, Civil , Mining Students	05 Nos
5	Techno-Cultural Fest 2019 at IIT KGP 07.03.2019 to 11.03.2019	2 nd Year Civil Engineering	05 Nos
6	Mining Fest-2019 at IIT KGP 02.11.2018 to 04.11.2018	2 nd year Mining Engineering	06 Nos
7	Workshop on Ethical Hacking at IIT KGP 16.3.19 to 17.3.19	2 nd & 3 rd year Electrical Engineering	02 Nos
8	International Conference held on 13.07.2019 at Bangalore	4 th Year Civil Engineering	01 No

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9	Workshop on Robotics & IoT held on 27.10.2018 at IIT Hyderabad	4 th Year Electrical Engineering	01 No
10	Conference held at ISM Dhanbad	4 th Year Mineral Engineering	01 No
11	Conference held on 20.12.2018 at Anantapuram, Andhra Pradesh	4 th Year Civil and 3 rd Year Mining Engineering	02 Nos
12	Conference held on 19.08.2018 at New Delhi	4 th Year Mechanical Engineering	01 No

3. LIST OF FACULTY ATTENDED TRAINING PROGRAMS/WORKSHOP/CONFERENCES DURING 2018-19 UNDER TEQIP-III PROGRAMME

S No	Name	Program	Subject	Place	Time
1	Dayanidhi Jena	Training	Financial Management Training	Patna	28/06/18 to 01/07/18
2	R C Khamari	Training	Design and control of Photovoltaic System	NIT Rourkela	02/07/18 to 06/07/18
3	N. C.Patel	Conference	MARC--2018	HMRITM Delhi	19/07/18 to 20/07/18
4	N. C.Patel	Conference	Recent innovation in electrical electronics and communication engineering	KIIT Bhubaneswar	27/07/18 to 29/07/18
5	S S Dash	Training	PDT	IIM Trichy	05/08/18 to 11/08/18
6	Sitansu Das	Conference	RATE2018	SVNIT Surat	10/08/18 to 13/08/18
7	Suman Das	Conference	RATE2018	SVNIT Surat	10/08/18 to 13/08/18
8	Mukesh Bathre	Workshop	Preparatory Workshop	CET Bhubaneswar	18/08/18
9	Mukesh Bathre	Workshop	Gate Training	SPIU Bhubaneswar	10/08/18
10	Mukesh Bathre	Workshop	Employment Skill Training	Bhubaneswar	20/09/18
11	Adiraj Behra	Training	ICT Mumbai	ICT Mumbai	30/09/18 to 05/10/18

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12	Alok Patel	Training	ICT Mumbai	ICT Mumbai	30/09/18 to 05/10/18
13	Mukesh Bathre	Training	ICT Mumbai	ICT Mumbai	30/09/18 to 05/10/18
14	N. C.Patel	Training	ICT Mumbai	ICT Mumbai	30/09/18 to 05/10/18
15	R C Mohapatra	Training	ICT Mumbai	ICT Mumbai	30/09/18 to 05/10/18
16	S S Dash	Training	ICT Mumbai	ICT Mumbai	30/09/18 to 05/10/18
17	Mukesh Bathre	Workshop	Good Governance	BIT Mesra	08/10/18 to 09/10/18
18	Adiraj Behera	Workshop	Good Governance	BIT Mesra	08/10/18 to 09/10/18
19	N. C.Patel	Conference	ICPEICES	DTU Delhi	21/10/18 to 25/10/18
20	Mukesh Bathre	Training	World Bank Procurement and GEM	Bhubaneswar	05/11/18
21	R C Khamari	Training	World Bank Procurement and GEM	Bhubaneswar	05/11/18
22	Madhumita Pal	Course	Electromagnetic Field and Waves Pedagogy and computations	IIT Bombay	11/11/18 to 17/11/18
23	Atul Kumar Ray	Conference	Applied and computational mathematics	IIT Kharagpur	23/11/18 to 25/11/18
24	Manoj Kumar Senapati	Workshop	Smart grid and internet of things	CPRI Bangalore	28/11/18 to 01/12/18
25	Sangram Keshari Mahapatra	Workshop	Smart grid and internet of things	CPRI Bangalore	28/11/18 to 01/12/18
26	Mukesh Bathre	Workshop	Equity Action Plan	Bhubaneswar	30/11/18
27	S Naidu Velagala	Workshop	Equity Action Plan	Bhubaneswar	30/11/18
28	Deepak Kumar agrawal	Course	Analysis of Mechanical Systems	IIT Guwahati	04/12/18 to 09/12/18

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29	Manoj Kumar Pradhan	Conference	FICS-2018	IIT Guwahati	04/12/18 to 10/12/18
30	Sitansu Kumar Das	Course	Management of Hazardous waste	IIT Bhubaneswar	10/12/18 to 15/12/18
31	Soumya Ranjan Mallick	Conference	ENCO-19	Vigyan Bhavan Delhi	19/12/18 to 23/12/18
32	Suman Das	Course	Management of Hazardous waste	IIT Bhubaneswar	11/12/18 to 15/12/18
33	N. C.Patel	Conference	Power Electronics	MNIT Jaipur	12/12/18 to 16/12/18
34	Rakesh Ranjan Shukla	Workshop	Research Sensitization	Sambalpur	26/12/18
35	Umakant Behara	Workshop	Research Sensitization	Sambalpur	26/12/18
36	Yogesh Kumar Naik	Workshop	Research Sensitization	Sambalpur	26/12/18
37	Alok Patel	Workshop	Atal ranking of Institutions on Innovation and achievement	SGITS Indore	10/01/19 to 12/01/19
38	Soumya Ranjan Mallick	Workshop	Atal ranking of Institutions on Innovation and achievement	IMIT Cuttack	10/01/19 to 19/01/19
39	Mukesh Bathre	Training	PMSS software	YMCA Faridabad	22/01/19 to 24/01/19
40	Sonali Upadhya	Conference	Advances in structural technology	NIT Silchar	30/01/19 to 04/02/19
41	Adiraj Behra	Course	Process of Metallurgy and its environmental impact	NIT Rourkela	21/02/19 to 25/02/19
42	Sudhansu Meher	Course	Process of Metallurgy and its environmental impact	NIT Rourkela	21/02/19 to 25/02/19
43	Suchit Kumar Gupta	Workshop	AOTI 19	ICT Mumbai	01/03/19 to 03/03/19
44	Yadav Mukesh Rameshwar	Workshop	AOTI 19	ICT Mumbai	01/03/19 to 03/03/19

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45	Yogesh Kumar Naik	Course	Power Electronics for Green Energy	NIT Raipur	05/03/19 to 11/03/19
46	Mani Thakur	Seminar Conducted	Materials for Advanced Technology	GCE Keonjhar	06/03/19
47	Asit Kumar D	Workshop	Water Urbanization	VSSUT Burla	12/03/19 to 16/03/19
48	N. C.Patel	Workshop	PMSS software	Jadhavpur University	11/03/19 to 14/03/19
49	Mani Thakur	Workshop	PMSS software	Jadhavpur University	11/03/19 to 14/03/19
50	S Naidu Velagala	Conference	Equity -Achievements and challenges in India	College of Engg. Pune	14/03/19 to 16/03/19
51	Hamid Raza	Conference	Digital Pedagogy	AICTE New Delhi	31/03/19 to 04/04/19
52	Kumar Aadars	Course	Environmental air and noise pollution	IIT Guwahati	22/04/19 to 26/04/19
53	Mani Thakur	Conference	Digital Pedagogy	IIT Guwahati	22/04/19 to 26/04/19
54	Partha Sarathi Mishara	Conference	Digital Pedagogy	IIT Guwahati	22/04/19 to 26/04/19
55	S S Dash	Conference	ICAIECES-19 at SRM	SRM Chennai	10/04/19 to 13/04/19
56	S S Dash	Conference	CISC-19	AIST Rajampet	08/04/19 to 10/04/19
57	N. C.Patel	Training	Workshop on web based academic MIS	SPCE Andheri	07/04/19 to 09/04/19
58	Sitansu Das	Training	Workshop on web based academic MIS	SPCE Andheri	07/04/19 to 09/04/19
59	Sudhansu Meher	Conference	ICAMER-19 at NIT Warangal	NIT Warangal	01/05/19 to 05/05/19
60	Manoj Kumar Senapati	Course	Simulation of power electronics converters serving to hydropower	IIT Roorkee	20/05/19 to 24/05/19

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61	Sasmita Choudhary	Course	Simulation of power electronics converters serving to hydropower plants	IIT Roorkee	19/05/19 to 25/05/19
62	Soumya Ranjan Mallick	Course	Scanning Electron Microscopy	IIT Roorkee	17/05/19 to 21/05/19
63	Sudhansu Meher	Conference	ICIPDIMS	NIT Rourkela	17/05/19 to 18/05/19
64	Atul Kumar Ray	Workshop	Workshop on Collaborative Research Proposals	Bhubaneswar	20/05/19
65	Atul Kumar Ray	Workshop	Workshop on Advanced Pedagogy	IIT Indore	17/06/19 to 21/06/19
66	Duriya Murali	Workshop	Workshop on Collaborative Research Proposals	Bhubaneswar	20/05/19
67	Duriya Murali	Workshop	Workshop on Advanced Pedagogy	IIT Indore	17/06/19 to 21/06/19
68	Hamid Raza	Workshop	Workshop on Collaborative Research Proposals	Bhubaneswar	20/05/19
69	Jashashree Ray	Workshop	Workshop on Collaborative Research Proposals	Bhubaneswar	20/05/19
70	Jashashree Ray	Workshop	Workshop on Advanced Pedagogy	IIT Indore	17/06/19 to 21/06/19
71	Mani Thakur	Workshop	Workshop on Collaborative Research Proposals	Bhubaneswar	20/05/19
72	Mani Thakur	Workshop	Workshop on Advanced Pedagogy	IIT Indore	17/06/19 to 21/06/19
73	Manoj Kumar Pradhan	Workshop	Workshop on Collaborative Research Proposals	Bhubaneswar	20/05/19
74	Manoj Kumar Pradhan	Workshop	Workshop on Advanced Pedagogy	IIT Indore	17/06/19 to 21/06/19
75	Moumita Kundu	Workshop	Workshop on Collaborative Research Proposals	Bhubaneswar	20/05/19
76	Moumita Kundu	Workshop	Workshop on Advanced Pedagogy	IIT Indore	17/06/19 to 21/06/19

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77	Partha Sarathi Mishara	Workshop	Workshop on Collaborative Research Proposals	Bhubaneswar	20/05/19
78	Pradeep Patnawar	Workshop	Workshop on Collaborative Research Proposals	Bhubaneswar	20/05/19
79	Pradeep Patnawar	Workshop	Workshop on Advanced Pedagogy	IIT Indore	17/06/19 to 21/06/19
80	Prashant Kumar Mandal	Workshop	Workshop on Collaborative Research Proposals	Bhubaneswar	20/05/19
81	Prashant Kumar Mandal	Workshop	Workshop on Advanced Pedagogy	IIT Indore	17/06/19 to 21/06/19
82	S Naidu Velagala	Workshop	Workshop on Collaborative Research Proposals	Bhubaneswar	20/05/19
83	Suchit Kumar Gupta	Workshop	Workshop on Collaborative Research Proposals	Bhubaneswar	20/05/19
84	Suchit Kumar Gupta	Workshop	Workshop on Advanced Pedagogy	IIT Indore	17/06/19 to 21/06/19
85	Yadav Mukesh Rameshwar	Workshop	Workshop on Collaborative Research Proposals	Bhubaneswar	20/05/19
86	Yadav Mukesh Rameshwar	Workshop	Workshop on Advanced Pedagogy	IIT Indore	17/06/19 to 21/06/19
87	Adiraj Behra	Course	Scanning Electron Microscopy	IIT Roorkee	16/06/19 to 22/06/19
88	Manoj Kumar Senapati	Conference	ICAEEC-19	IIIT Allahabad	30/05/19 to 02/06/19
89	S S Mishra	Course	Scanning Electron Microscopy	IIT Roorkee	16/06/19 to 22/06/19
90	Suman Das	Conference	Conference on Transport Research	IIT Bombay	25/05/19 to 01/06/19
91	Umakant Behara	Course	Scanning Electron Microscopy	IIT Roorkee	16/06/19 to 22/06/19
92	S Naidu Velagala	Course	Faculty development course	JNTU Kakinada	04/06/19 to 15/06/19
93	Ranjan Kumar Mohapatro	Training	Summer Research Training at ICT Mumbai	ICT Mumbai	18/06/19 to 28/06/19

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94	Pradeep Patanwar	Course	Summer Training Course on 'ROBOTICS & AI'	IIITDM Jabalpur	23/06/19 to 29/06/19
95	Suchit Kumar Gupta	Course	Summer Training Course on 'ROBOTICS & AI'	MNIT Jaipur	23/06/19 to 29/06/19
96	Mani Thakur	Course	Summer Training Course on 'ROBOTICS & AI'	NIT Patna	23/06/19 to 29/06/19

4. CONSULTANCY/PROJECT

Mechanical, Electrical, Mining and Metallurgical Department have been providing Laboratory facilities to Institute of Engineers (India) for their AMIE candidates for training them on laboratory skills.

5. CURRICULAR AND CO-CURRICULAR ACTIVITIES

- Institutional Annual Tech Fest 2019 organized by the students.
- Institutional Annual Sport Meet 2019 organized by the students.

6. STUDENTS UNDERGONE FOR MANDATORY INTERNSHIPS PROGRAMME IN 2018-19

S. NO.	DEPARTMENT	YEAR/SEM	NO OF STUDENTS
1	Mechanical Engineering	3 rd Year	69
2	Electrical Engineering	3 rd Year	69
3	Mining Engineering	3 rd Year	79
4	Mineral Engineering	3 rd Year	32
5	Metallurgical & Material Engineering	3 rd Year	58
6	Computer Science & Engineering	3 rd Year	57
7	Civil Engineering	3 rd Year	69
8	Mechanical Engineering	2 nd Year	53
9	Electrical Engineering	2 nd Year	55
10	Mining Engineering	2 nd Year	61
11	Mineral Engineering	2 nd Year	3
12	Metallurgical & Material Engineering	2 nd Year	14
13	Computer Science & Engineering	2 nd Year	45
14	Civil Engineering	2 nd Year	56

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7. PLACEMENT STATISTICS (YEAR 2018-19)

S No	Course	Branch	Number of students placed	Name of the Companies/Industries
1	B. Tech	Mining Engineering	16	1. Vedanta 2. Maheshwari Mining 3. S N Mohanty Mines 4. Orica Explosives
2	B. Tech	Electrical Engineering	3	1. Epic Research Pvt. Ltd.
3	B. Tech	Mechanical Engineering	3	1. Epic Research Pvt. Ltd.
4	B. Tech	Metallurgy & Material Engineering	10	1. KISCO Castings India Ltd, Punjab 2. Orient Abrasives Ltd, Porbandar 3. Epic research Ltd, Indore 4. Ferro Alloys Ltd, Rourkela 5. Visakhapatnam Steel Plant, 6. Nilachal Iron & Power Ltd, Jamshedpur 7. Innocule Materials & Additives Ltd, Bhubaneswar
5	B. Tech	Mineral Engineering	7	1. Global Talcher
6	B. Tech	Civil Engineering	3	1. TCS, 2. Wipro, 3. Epic Research Pvt. Ltd
7	B. Tech	Computer Science & Engineering	11	1. Wipro 2. Mphasis 3. Tata consultancy Services 4. Mindtree 5. Cognizant 6. Accenture 7. Genpact 8. MentorNote

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8. EQUIPMENTS/SOFTWARE/ITEMS PROCURED DURING 2018-19 UNDER TEQIP-III PROGRAMME

S No	Department	Items Name	Cost (Rs.)
1	Civil Engineering	STAAD Pro Software	1203600.00
2	Computer Science & Engineering	Internet of Things Lab	968633.00
3	Computer Science & Engineering	NETSIM Software	686070.00
4	Electrical Engineering	Electric Drive Lab	968939.00
5	Institution	Laptops	721500.00
6	Institution	Printers	534600.00
7	TEQIP-III Cell	Desktop Computers	417200.00
8	TEQIP-III Cell/START-UP Cell/ME/CSE/ MINING/MINERAL	Furniture	900000.00
Total Cost			6400542.00