ANNUAL REPORT (2019-20)

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

   - Department of Electrical Engineering, Organised **"Vidhyutam"** Tech fest & Tech Symposium, from 27/09/2019 to 28/09/2019.

   - Department of Computer Science & Engineering, Organised **"Xenesis 2.0"** tech fest & tech symposium from 22/10/2019 to 24/10/2019.

   - Department of Civil Engineering, Organised **"Nirmaan 2019",** tech fest & tech symposium, from 24/10/2019 to 25/10/2019.

- Department of Mining Engineering, organised **"Anveshan 2019"**tech fest and tech symposium, from 2/11/2019 to 3/11/2019.

- Department of Mechanical Engineering organised **"M-Explore"** tech fest & tech symposium, from 18/01/2020 to 20/01/2020.

- Department of Metallurgical and Material Sciences, organised **"Dhatvik"** tech fest and tech symposium, from 22/02/2020 to 24/02/2020.

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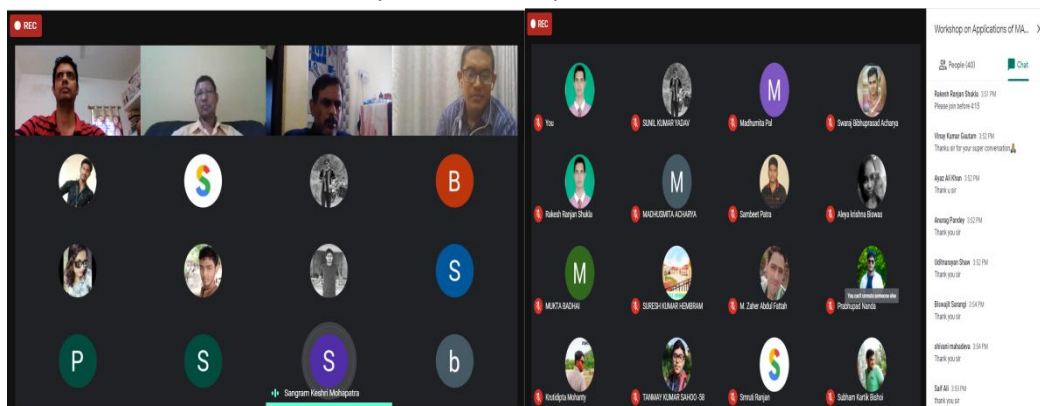Phone: 06766-213180, Website: www.gcekjr.ac.in

- Two day training program on , "**Artificial intelligence and machine learning**", organized by SPIU Odisha, from 14-15th Feb 2020.

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- One day workshop on, ''Advance Analytical Tools in Characterization" at GCE Keonjhar on 10th Feb. 2020 in coordination with ICT Mumbai

- Department of Electrical Engineering, organised faculty development program, **"Applications of different control techniques for sustainable energy"**, from 08/09/2020 to 12/09/2020. (Online Mode)

- Department of Mechanical Engineering, organised, faculty development program, on **"Recent advancements in Mechanical Engineering"**, from 12-10-2020 to 16-10-2020. (online mode)

- Department of Mining Engineering, organised workshop on **"Recent Advancements in Mining Technology"**, from 18/03/2020 to 22/03/2020. (online mode)

- Department of Civil Engineering, organised Webinar on **"Innovation and advancements in transportation engineering"**, on 10/09/2020. (online mode)

- Department of Electrical Engineering, organised **"one week national level workshop on applications of IOT and Matlab"**, from 14/09/2020 to 18/09/2020. (online mode)

- Department of Electrical Engineering organised **"CISPSSE-2020"**, International Conference, from 29/07/2020 to 31/07/2020. (online mode)

GOVERNMENT COLLEGE OF ENGINEERING, KEONJHAR

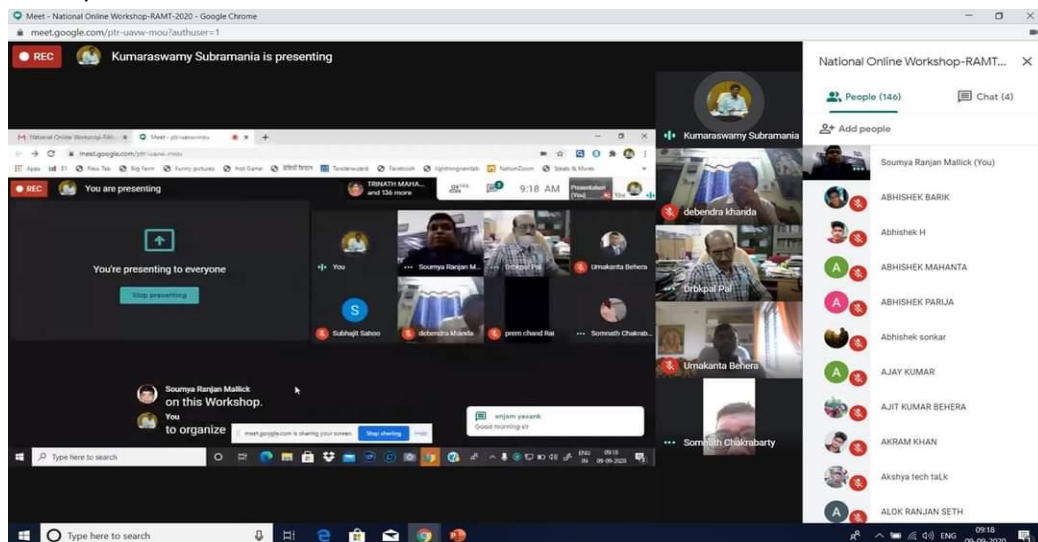**(A constituent college of BPUT, Rourkela)**
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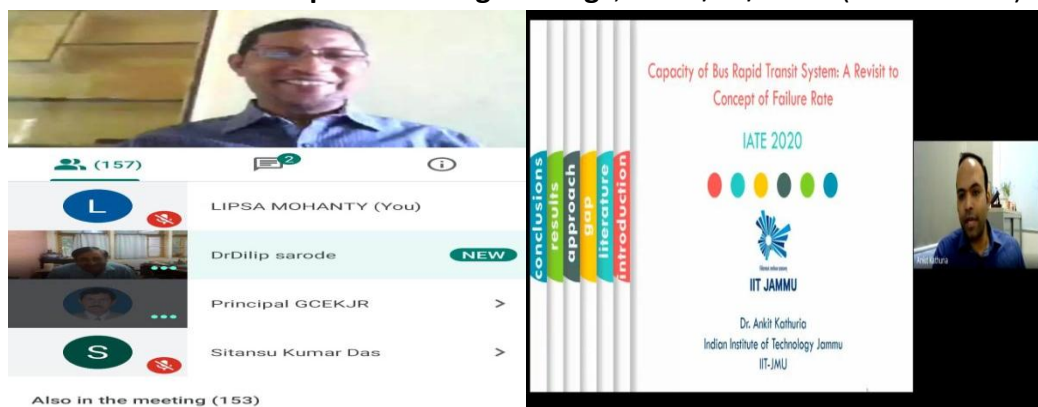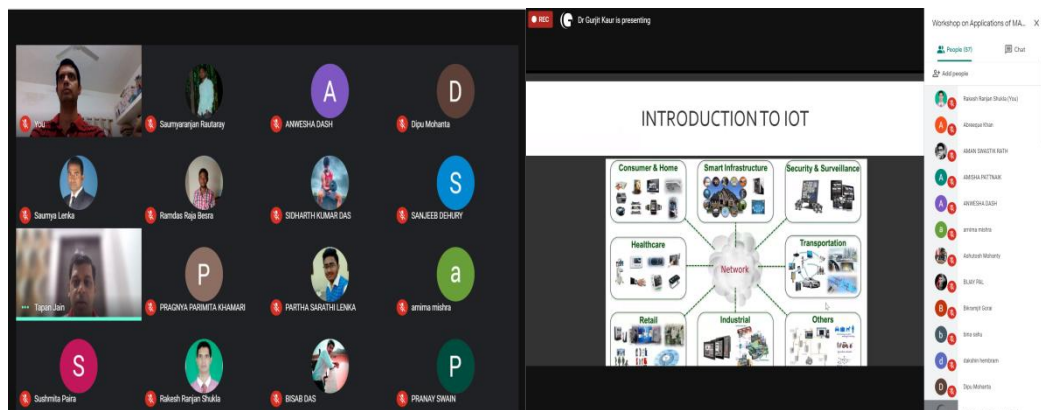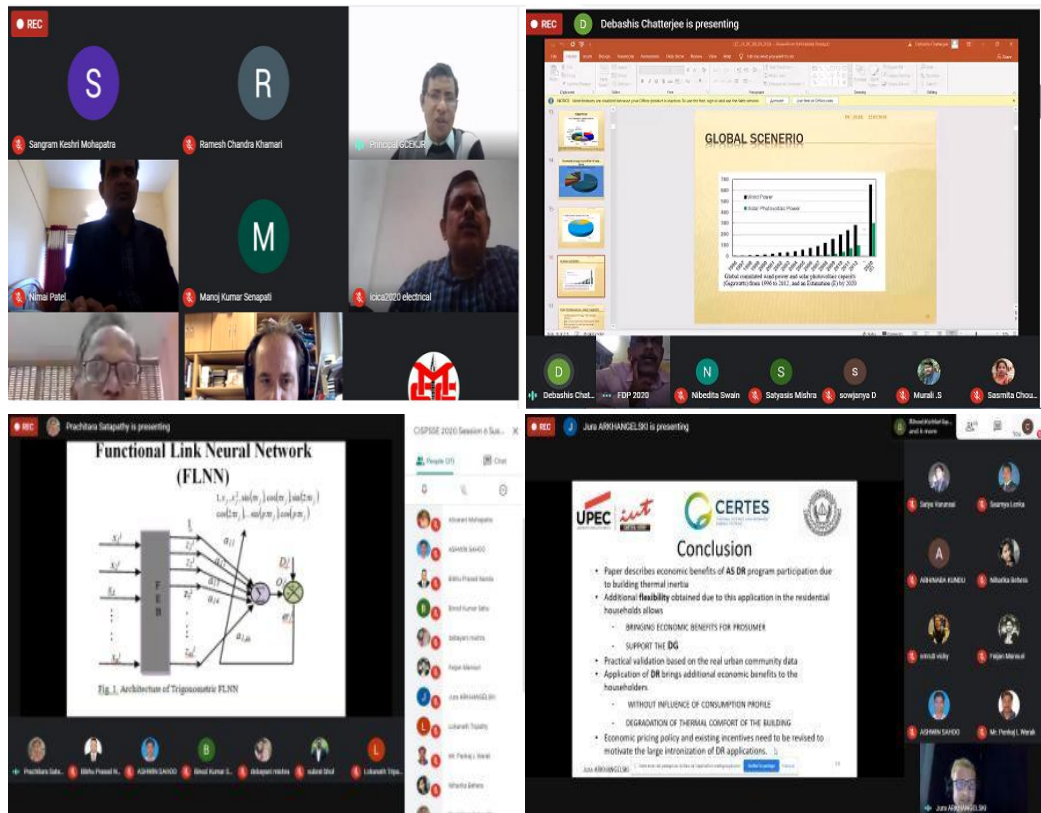At- Jamunalia, Post- Old Town, Dist- Keonjhar, 758002, Odisha
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2.STUDENTS ATTENDED THE TECH FESTAT IITs, WORKSHOP AND CONFERENCE UNDER TEQIP-III PROGRAMME

S. NO.	DETAILS OF THE EVENT/ PROGRAM	DEPARTMENT/BRANCH/SEM OF THE STUDENTS ATTENDED THE PROGRAM	NO OF STUDENTS ATTENDED THE PROGRAM
1	Tech-Fest at IIT KGP 24.01.2020 to 26.01.2020	3rd Year CS & E	03
2	Tech-Fest at IIT KGP 17.10.2019 to 21.10.2019	3thYear Mining Engineering	08
3	Tech-Fest-2019 IIT KGP 18.10.2019 to 20.10.2019	3rd Year Mining Engineering	22
4	Tech-Fest-2019 IIT KGP 18.10.2019 to 20.10.2019	1rd Year Mining Engineering	01
5	Tech-Fest-2019 IIT KGP 18.10.2019 to 20.10.2019	3rd Year CS & E	04
6	Tech-Fest-2019 IIT KGP 24.01.2020 to 27.01.2020	3rd Year CS & E	06
7	Tech-Fest-2019 IIT KGP 24.01.2020 to 27.01.2020	3rd Year MME	01
8	Tech-Fest-2019 IIT KGP 24.01.2020 to 27.01.2020	3rd Year civil	03
9	Tech-Fest-2019 IIT KGP 24.01.2020 to 27.01.2020	3th Year Mechanical Engineering	04
10	Tech-Fest-2019 IIT KGP 24.01.2020 to 27.01.2020	3th Year Mining Engineering	03
11	Tech-Fest-2019 IIT Dhanbad 06.09.2019 to 08.09.2019	3th Year Mining Engineering	07
12	Conference held on 18.12.2019 to 20.12.2019 at Osmania University, Hyderabad	4th Year Civil Engineering	01
13	Workshop-2019 NIT- Rourkela 19.10.2019 to 20.10.2019	4th Year MME	02
14	Workshop-2019 IIIT- BBSR & IIT-KGP	3th Year CSE	01

2. LIST OF FACULTY ATTENDED TRAINING PROGRAMS/WORKSHOP/CONFERENCESDURING 2019-20 UNDER TEQIP-III PROGRAMME

S No	Name	Program	Subject	Place	Duration
1	Dr.Atul Kumar Ray	short term course	Advanced Numerical Schemes for Scientists and	IIT BHU, Varanasi	12/08/19 to 17/08/19
2	MoumitaKundu	Training	language training program on use of	NIT Durgapur	18/08/19 to 21/08/19
3	Sanjit Kumar Barik	Meeting of SPOC	Meeting of SPOC	NPIU Delhi	03/09/19 to 05/09/19
4	Hamid Raza	Short term course	Conveyor Technology for Bulk Material Transport	IIT, Kharagpur	14.10.2019 to 21.10.2019
5	NimainCharan Patel	Workshop	start-up Innovaton and Incubation and TEQIP-III CEP	KIIT, TBI	17.10.2019 to 26.10.2019
6	M. K. Senapati	Workshop	Start up Innovation and	KIIT, TBI	17.10.2019 to 19.10.2019
7	Dr.SubhranshuSekhar Dash	Workshop	Guidance on Accreditation	SCTE, Bhubaneswar	25.10.2019
8	Dr.SangramKeshari Mohapatra	Workshop	Guidance on Accreditation	SCTE, Bhubaneswar	25.10.2019
9	DuriyaMurali	Workshop	Guidance on Accreditation	SCTE, Bhubaneswar	25.10.2019
10	Dr. Ramesh Chandra Mohapatra	Workshop	Guidance on Accreditation	SCTE, Bhubaneswar	25.10.2019
11	Dayanidhi Jena	Workshop	Guidance on Accreditation	SCTE, Bhubaneswar	25.10.2019

12	Suchit Kumar Gupta	Workshop	Guidance on Accreditation	SCTE, Bhubaneswar	25.10.2019
13	MukeshBathre	Workshop	Guidance on Accreditation	SCTE, Bhubaneswar	25.10.2019
14	Dr.Yogesh Ku. Nayak	Short term training	Recent Trend in Power System and	NIT, Raipur	30.10.2019 to 05.11.2019
15	AdirajBehera	Conference	ICPCM-2019	NIT, Rourkela	11.12.2019 to 15.12.2019
16	Dr.SangramKeshari Mohapatra	workshop	three track workshop, conducted by	IIT, Goa	04.12.2019 to 08.12.2019
17	Ramesh Ch. Khamari	workshop	three track workshop, conducted by	IIT, Goa	04.12.2019 to 08.12.2019
18	Manoj Ku. Senapati	workshop	three track workshop, conducted by	IIT, Goa	04.12.2019 to 08.12.2019
19	Dr. Ramesh Chandra Mohapatra	workshop	Intellectual Property Rights	Hotel Suryansh,NearKalinga Hospital, BBSR	08.11.2019
20	Dr.SubhranshuSekhar Dash	workshop	Intellectual Property Rights	Hotel Suryansh,NearKalinga Hospital, BBSR	08.11.2019
21	NimainCharan Patel	Workshop	Intellectual Property Rights	Hotel Suryansh,NearKalinga Hospital, BBSR	08.11.2019
22	Ramesh Ch. Khamari	Workshop	Intellectual Property Rights	Hotel Suryansh,NearKalinga Hospital, BBSR	08.11.2019
23	SoumyaRanjanMallick	Workshop	Intellectual Property Rights	Hotel Suryansh,NearKalinga Hospital, BBSR	08.11.2019
24	UmakantaBehera	Workshop	Intellectual Property Rights	Hotel Suryansh,NearKalinga Hospital, BBSR	08.11.2019
25	AdirajBehera	workshop	Intellectual Property Rights	Hotel Suryansh,NearKalinga Hospital, BBSR	08.11.2019
26	ParthaSarathi Mishra	workshop	Intellectual Property Rights	Hotel Suryansh,NearKalinga Hospital, BBSR	08.11.2019

27	Mani Thakur	workshop	Intellectual Property Rights	Hotel Suryansh,NearKalinga Hospital, BBSR	08.11.2019
28	Dr.Prashanta Ku. Mandal	workshop	Intellectual Property Rights	Hotel Suryansh,NearKalinga Hospital, BBSR	08.11.2019
29	MoumitaKundu	workshop	Intellectual Property Rights	Hotel Suryansh,NearKalinga Hospital, BBSR	08.11.2019
30	Dr.SangramKeshari Mohapatra	Short term course	Power Electronics Converters Grid	MNIT, Jaipur	26.12.2019 to 01.01.2020
31	Manoj Ku. Senapati	Short term course	Power Electronics Converters Grid	MNIT, Jaipur	26.12.2019 to 01.01.2020
32	Satish Chandra bhuyan	Conference	International Conference (ICPCM-2019)	NIT, Rourkela	11.12.2019 to 15.12.2019
33	YadavMukeshRameswar	Short term training course	Advanced Engineering Optimization	SVNIT, Surat	25.11.2019 to 30.11.2019
34	RakeshRanjanShukla	Workshop	Photovoltaic Technology.	IIT, Indore	15.12.2019 to 19.12.2019
35	ParthaSarathi Mishra	Workshop	Data Driven Approaches in Mechanical	IIT, Bhubaneswar	06.12.2019 to 10.12.2019
36	Dr.SubhranshuSekhar Dash	Conference	Intelligent Computing and	SRMIST, New delhi	05.12.2019 to 08.12.2019
37	Ramesh Ch. Khamari	Present his paper	Design of Lyapunov based	SRMIST, New delhi	05.12.2019 to 09.12.2019
38	SoumyaRanjanMallick	Conference	Opencast Mining Technology and	Northern Coal Fields Ltd. Headquartrs, Singrauli	12.12.2019 to 16.12.2019
39	Dr.Yogesh Ku. Nayak	Short term training	Recent Trend in Power Electronics	NIT, Raipur	08.12.2019 to 14.12.2019

40	Sitanshu Kumar Das	Faculty Development Programme	TEQIP-III sponsored Faculty Development	IGIT, Sarang	06.01.2020 to 11.01.2020
41	SudhanshuMeher	Short Term Course	Artificial Intelligence Techniques for Vibration	NIT, Rourkela	09.12.2019 to 14.12.2019
42	Mani Thakur	Faculty Development Programme	ICT Tools & Techniques for Teaching,	NIT, Patna	13.01.2020 to 18.01.2020
43	Dr. Ramesh Chandra Mohapatra	workshop	Procurement of Goods & Services	Fortune Park, Sishmo Bhubaneswar	17.01.2020 to 18.01.2020
44	MukeshBathre	Workshop	Procurement of Goods & Services	Fortune Park, Sishmo Bhubaneswar	17.01.2020 to 18.01.2020
45	Dayanidhi Jena	Workshop	Procurement of Goods & Services	Fortune Park, Sishmo Bhubaneswar	17.01.2020 to 18.01.2020
46	ParthaSarathi Mishra	Workshop	Procurement of Goods & Services	Fortune Park, Sishmo Bhubaneswar	17.01.2020 to 18.01.2020
47	MoumitaKundu	Workshop	Researching English studies	Andhra University College of Engineering	23.01.2020 to 26.01.2020
48	Dr.Atul Kumar Ray	Workshop	SPOC facilitation-cum-	Salt lake, Kolkata	31.01.2020 to 02.02.2020
49	Debi Prasad Sahoo	Conference	Innovations in Thermo fluid	NIT, Rourkela	10.02.2020 to 12.02.2020
50	Sitanshu Kumar Das	Conference	Challenges of Resilent and Sustainable	Hotel Novotel, Kolkata	02.03.2020 to 05.03.2020
51	MukeshBathre	Training	training of Trainers for CCNA training on behalf of	CIME, Bhubaneswar	06.02.2020 to 22.02.2020
52	MoumitaKundu	Training	Cybor Security Technology,	IIT, Roorkee	10.02.2020 to 22.02.2020
53	MukeshBathre	Conference	Data Engineering &Applicaton	Bhopal	28.02.2020 to 02.03.2020
54	Mukesh R. Yadav	Training	Artificial Intelligence and Machine	IIT, Indore	20.11.2020 to 27.11.2020

55	ParthaSarathi Mishra	Training	Data Science & Analytics	IIT, Indore	07.12.2020 to 18.12.2020
56	Dr.Atul Kumar Ray	Training	Data Science & Analytics	IIT, Indore	07.12.2020 to 18.12.2020

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

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

6. STUDENTS UNDERGONE FOR MANDATORY INTERNSHIPS PROGRAMME IN 2019-20

S. NO.	DEPARTMENT	YEAR/SEM	NO OF STUDENTS
1	Mechanical Engineering	4th Year	73
2	Electrical Engineering	4th Year	74
3	Mining Engineering	4th Year	73
4	Mineral Engineering	4th Year	04
5	Metallurgical & Material Engineering	4th Year	31
6	Computer Science & Engineering	4th Year	68
7	Civil Engineering	3rd Year	70
8	Mechanical Engineering	3rd Year	64
9	Electrical Engineering	3rd Year	61
10	Mining Engineering	3rd Year	68
11	Mineral Engineering	3rd Year	06
12	Metallurgical & Material Engineering	3rd Year	23
13	Computer Science & Engineering	3rd Year	67
14	Civil Engineering	3rd Year	68

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7. PLACEMENT STATISTICS (YEAR 2019-20)

S No	Course	Branch	Number of students placed	Name of the Companies/Industries
1	B. Tech	Mining Engineering	7	1. JSW 2. Vedanta
2	B. Tech	Electrical Engineering/ Computer Science & Engineering	8	1. Cybrand software solution Pvt. Ltd.
3	B. Tech	Mechanical Engineering	7	1. TCS, Green Power Technology Pvt. Ltd
4	B. Tech	Computer Science & Engineering	20	1. Wipro 2. PSC GLOBAL 3. Mindtree 4. INFOSYS 5. TECH MAHINDRA 6. Cognizant Technology Solutions (CTS)
5	B. Tech	Mineral/MME	2	1. INNOCLUE

8. EQUIPMENTS/SOFTWARE/ITEMS PROCURRED DURING 2019-20 UNDER TEQIP-III PROGRAMME

S No	Department	Items Name	Cost (Rs.)
1	Computer Science Engineering	Computer Networking & Data communication Lab	1003000
2	Mechanical Engineering	3-D Printer	717911
3	Electrical Engineering	ETAP Software	599445
4	Civil Engineering	ARC GIS Software	944000
5	Mining Engineering	Light Weight Deflectometer	964425
6	Civil Engineering	Rebound Hammer	172280
7	Civil Engineering	Dynamic Cone Penetrometer Apparatus	49600
8	TEQIP CELL	Air Condition	170000

9	Civil Engineering	ASCE Journal	259378
10	Computer Science Engineering	C S E Lab Software	961819
11	Computer Science Engineering	Hardware Lab	598496
12	Civil Engineering	Total Station Lab	790600
13	Electrical Engineering	Analog Electronics Circuit Lab	374036.4
14	Computer Science Engineering	Desktop Computers	2105710
15	Computer Science Engineering	Online UPS	838275
16	Computer Science Engineering	Networking Equipments	171336
17	Mining Engineering	Servo controlled compression testing machine	2119280
18	Mechanical Engg.	CNC Machine	3056200
19	Civil Engineering	Ultrasonic Pulse Velocity Meter	673780
20	Civil Engineering	Benkelman Beam Apparatus	64400
21	Mechanical Engg.	Universal Testing machine	8596300
22	Mechanical, Mining, Mettalurgy	Scanning Electron Microscope	1,35,50,000.00
		Total Cost	38780271.4