Convocation Reportby Prof R V Raja Kumar, Director

Dr.Ramesh Pokhiriyal ji, hon'ble Minsiter of Education and the Chief guest, Shri Sanjay Shamrao Dhotre ji, Honble Minister of State and guest of honour, Dr.Rajendra Prasad Singh, hon'ble Chairman Board of Governors; esteemed Members of the Board of Governors and the Senate; esteemed members of the Faculty and Staff of the Institute; distinguished guests; dear graduating and other students; their parents and guardians; representatives from the media and press; ladies and gentlemen!

It gives me great pleasure to extend a very warm welcome you all to the 9th convocation of IIT Bhubaneswar.

As you are aware, the most unprecedented Covid-19 Pandemic has changed our lives and the way we educate ourselves. The institute is committed to providing world-class education without any compromise on the quality of education even at the time of a Pandemic situation.

This year is the twelfth year of existence of IIT Bhubaneswar. I would like to take this opportunity to present some of the notable achievements of the institute, made during the last academic year, with the dedicated spirit of achieving excellence, in teaching and research.

1. Non-Compromising Education and Protection during the Pandemic:

As you are aware, the most unprecedented Covid-19 Pandemic has changed our lives and the way we educate ourselves. The institute functioned to fulfil its commitment of providing world-class education without any compromises even at the time of the Pandemic situation.

The institute could switch to online education with absolutely no gap due to pre-planning and taking actions well ahead of the lockdown period. A unique method of holding comprehensive and detailed examinations (pen and paper) with invigilation by online has been developed in-house and adopted it very successfully to conduct examinations in full for all the students of the institute, last semester (Spring 2019-20). Perhaps, it is the only IIT among all 23 IITs to do so. The outgoing students were graduated without any compromise on the examination standards. The practice has become a normal, applied to Autumn 2020-21, and already completed the mid-semester exams in conventional paper-pen mode, but by online". The Director assures that the institute would serve as a role model in the country and do its best in times to come".

The institute took the responsibility of protecting them and the students were permitted and given the flexibility to stay on the campus or go home during the lockdown and unlocking periods. More than 400 students stayed back at the hostels, all through, they were taken care of with physical and mental well-being, through regular health check-up and counselling and protected from Covid-19. The institute could protect its campsites from Covid-19 and the campus was Covid-free till now, except for a brief period of one and half months, in between. At the moment there are no active cases in the campus.

Apart from the students and the other campsites, the Institute protected about 2000 construction workers who could not go back to their home places before the onset of the lockdown. The institute made all efforts to convince the construction workers to venture out during the lockdown and prevented the possible loss and law and order problem.

2. Performance of the Institute in Institutional Rankings:

IIT Bhubaneswar has been working on very fundamental aspects of academics to be amongst the global cream and to help the nation in re-establishing its glorious past than in obtaining a good rank in the ranking frameworks. However, the strategic initiatives taken in recent times have not only fostered the development of the institute but also resulted in a significant rise in the institute's ranking performance in both National and International scenario as follows.

National:

Ranking system	NIRF Engineering	Times Engg	India Today	Week Hansa	Times Research
Rank of IITBBS	22	5	11	15	1

International:

Ranking system	QS World India	QS World Asia	Times HE World	Times HE Asia	Times HE Impact
Rank of IITBBS	20	227	801-1000	169	401-600

3. Academic Programmes:

Keeping pace with the changing scenario for providing adequate competent Technocrats and Scientists, IIT Bhubaneswar has raised its student intake significantly in BTech to 475 from 419; in MSc to 125 including supernumerary seats to female students and implementation of @ 10 % reservation for EWS category, apart from 246 in MTech. The current strength of students stand at 2490 Students (B.Tech. – 1174, Dual-Degree – 418, M.Tech. - 388, M.Sc – 178, Ph.D – 332). female Supernumerary); The Institute has a spectrum of 143 full-time faculty members, 25 officers (22 on regular basis and 3 on contracts) and other supporting staff.

The Institute offers 6 Nos. of B.Tech., 9 Nos. of Dual Degree Programmes, 5 Nos. of M.Sc., 14 Nos. of M.Tech Programmes and Ph.D Programme in its 7 Schools. The admission for the academic year 2020-21 in to the courses Ph.D., M.Tech., M.Sc., and BTech degrees took place on 24th, 24th and 25th August, and Nov 15, 2020, respectively.

The Orientation Programme for the new entrants (PhD / M.Tech / M.Sc) was conducted on virtual mode on 26th August, 2020. Orientation programme for the 1st year BTech and Dual-Degree was conducted on 17th November, 2020 on virtual mode.

Joint PhD Programme with University of Auckland: An international research initiative was taken up with the University of Auckland to foster academic exchange and cooperation between the two institutions in the potential domains namely Civil and Environment Engineering, Electrical and Computer Science & Engineering etc. to explore the possibility of joint-Ph.D. programme, internship & collaborative research projects.

Multidisciplinary Education: Sharing the same vision expressed by NEP 2020, the institute has been following promoting holistic and multidisciplinary education, for the last three years, to its engineering students, IIT Bhubaneswar has been offering courses in social sciences and performing arts, such as Introduction to Indian Philosophy, Substance in Indian Philosophy, Mathematics in India (ancient and modern) and "Functional and Communicative Sanskrit, Odissi dance" besides many cutting edge technology courses in AI, Data Sciences, Nano Science and Augmented and Virtual Reality.

Rejuvenation and Orientation (R&O) programme for Fresh Students: The Orientation Programme for the new entrants (PhD / M.Tech / M.Sc) was conducted on virtual mode on 26th August 2020. Orientation programme for the 1st year BTech and Dual-Degree was conducted on 17th November 2020 in virtual mode. Schools are organising a series of talks on 'Introduction to Engineering' for first-year students in which an overview of different disciplines of engineering is presented by school experts for giving a broad discipline knowledge to the students. Institute has a plan to rejuvenate the students by organizing programmes from the Art of Living Foundation after they come to campus. This programme was organized for the freshers for the entire semester, last year. Student activity clubs and counselling cells organize interactive sessions with the fresher's introducing them to different activities of the institute gymkhana. Visits to places of historical and monumental importance around the institute and Odisha to make them aware about the locality, culture and heritage.

Interactive Sessions with Students during the Pandemic: Online interactive sessions have been organized with different sets of students by Director, Dean Academic and HoS's both centrally as well as at School level to maintain a connect with students. The faculty advisors have multiple sessions. Also feedback sessions (conducted on 27th June 2020, with first-year MTech and MSc on 3rd October and with all B. Tech students on 17th October) have been organized to fine tune the academics and examinations in the endeavor of offering the best of education.

4. Research & Development Activities:

Research and Consultancy Projects: The Research and Development activities have made rapid strides with time and there has been considerable progress in last one year.

A total of 76 sponsored research and consultancy projects worth about Rs. 16.02 Crore have been sanctioned to the Institute during the year (2019-20) from different funding agencies. Besides these sanctioned projects, 142 project proposals worth about Rs. 70 Crore have been submitted during the last one year to different funding agencies by the faculty members.

The major funding agencies are DST, MHRD, CSIR, UGC, ISRO, DRDO, ICSSR, DAE, CPRI, DAC, DBT, Deity, NALCO, NPOL, IUSSTF, INCOIS, MoES, MoWR, IITM, NCAOR, BRNS KPIT, P&C Dept.-Govt. of Odisha etc. Major areas covered by these projects are: Advanced Materials, Energy, Nanotech Hardware, Health Care, Defense, CS & ICT, Environmental Sciences & Climate Change, Water Resources & River Science, Manufacturing and Sustainable Urban Design. Our faculty members participated in major initiatives of MHRD like IMPRINT, Uchhatar Avishkar Yojana (UAY), Swachhta Action Plan, FIST and Unnat Bharat Abhiyan (UBA) etc.

Some of the recent Industry-Academia collaborations and R&D initiatives as well as projects connected to the National/State Missions are worth quoting are as follows:

- A broad based Research Collaboration Agreement was signed with DRDO during August 2020 on Add on Radar for Jamming UAVs.

- An MoU was signed with CSIR-Institute of Minerals & Materials Technology (IMMT), Bhubaneswar on 13th April 2019 to promote collaborative research, and exchange of knowledge and technical knowhow between the two institutions in the major areas of Metallurgical Engineering, Materials Science and Engineering and Mechanical Engineering.

- The Institute is also actively participating in the national R&D missions namely: "IMPacting Research, Innovation and Technology (IMPRINT)". with four projects under IMPRINT. Besides the sanctioned projects, a total of 15 proposals worth Rs. 13.21 crore under IMPRINT are in pipeline.

- A delegation of Association for Overseas Technical Cooperation and Sustainable Partnerships (AOTS), Japan visited our Institute on 10th April 2019 to explore the possibility of R&D collaboration and carrier development opportunities for the students of the Institute by the Japanese industries.

Research Areas of Thrust: The institute defined the following nine areas of research thrust with the objective of making globally well recognized contributions in these areas:

- Climate change and Extreme Events,
- Energy,
- Augmented Reality and Virtual reality (AR-VR),
- Environment and Sustainability,
- Data Science and Machine Intelligence,
- IoT and next-generation networks,

- Water,
- Micro & Nano Manufacturing and Sensors,
- Nanoscience and technology.

Our climate science group is very unique, collaborates with, University of Messachusetts, *Hurricane Research Department of NOAA , USA ,Purdue University, IMD and INCOIS* and and already enjoys global reputation. It has predicted the course of recent cyclones, Amphan, Fani, and Hudhud, very accurately about 5/6 days in advance with customization of latest models to Indian conditions. At the moment it is the only alternative to IMD that helps verification.

The Augmented and Virtual Reality Center of excellence is a unique center in the country and it is going to help the nation in developing an eco-system for the same in this strategic. A few of the important milestone and achievement related to the ongoing research fields are,

- Sanction of nine research and development projects,
- The Centre also has organized a grand hackathon on ARVR during 10th -12th Jan 2020. Out of the shortlisted 18 teams the second and third prizes were given to Team: Learn-O-Little, College: Chitkara University, Punjab and to Team: ARHub College: KIIT University, Bhubaneswar respectively**.** The next edition of the Hackathon and a grand call for PAN India Startup call is planned to be scheduled during Feb 2021.

Research Publications & Patents: During the last year (2019), the institute contributed to creating new knowledge by publishing more than 539 research articles including, 405 research papers in both National and International Journals of repute and high impact factor, 19 Book-chapters, and 115 papers were presented in various national and international conferences in India and abroad

School-wise publication list during the last one year is as follows:

School	Book Chapter	Journal publications	Conference publications	Total Publications
Basic Sciences	2	163	10	175
Earth, Ocean & Climate Sciences	2	41	5	48
Electrical Sciences	2	75	72	149
Humanities, Social Sciences & Management	0	2	0	2
Infrastructure	5	38	5	48
Mechanical Sciences	6	53	16	75
Minerals, Metallurgical & Materials Engineering	2	33	7	42
Total	**19**	**405**	**115**	**539**

Patents : About 43 patent applications are filed by the Institute faculty and research students so far and the number is rising

Collaborative Research: The Institute is very actively engaged in collaborative research with many reputed universities and research organizations across the world. Some of the collaborating universities include, University of Western Ontario, London; The University of Massachusetts Dartmouth; University of North Texas, USA; Warwick Manufacturing Group (WMG) of the University of Warwick, UK; The university of Buffalo the State University of New York, USA (SUNYAB); Dr. Dash foundation, USA; Engineering Center of Materials Manufacturing, Shanghai Jiao Tong University, China; University of Hohenheim, Germany; University of Auckland and many other reputed universities for joint research, student internship and faculty **Visits:** The institute also had an innumerable number of distinguished visitors for academic, research and other collaborative programmes.

5. Faculty Matters:

International Faculty at IITBBS – A New Initiative: The Institute took up a new initiative to appoint faculty from other countries over longer periods of six months to two years. This has expectedly infused new dimension in pedagogy, research collaboration and internationalizing education at IIT Bhubaneswar. This endeavour has been unique and in this front ahead of the SPARC and VAJRA schemes.

A few notable names are Prof. Luis Malera, USA; Dr. Alin Marian Achim, UK, Prof. Matjaz Kovse, Slovenia; Prof. Scott Andrew Whattam, Canada, Prof. Tian C. Zhang, USA, Prof. Krishnamachar Prasad, OCI, Australia, Prof. Johannes Eugene Marie Houben, France and Prof. Axel Hofmann, USA. Institute is constantly exploring more opportunities and some more faculty of foreign origin selected and likely to join shortly at IIT Bhubaneswar. About 32 faculty members visited foreign countries with institute funding, 4 faculty members visited foreign countries with outside funding.

Appraisal about IIT Bhubaneswar at Acclaimed Universities: A team of six members, The Director and Five Deans (Faculty, Academic, Student, Alumni and R&D) of IIT Bhubaneswar visited Singapore Universities from 7th to 11th November, 2019 with multiple objectives. Team was led by the Director, Prof. R. V. Raja Kumar. Among the objectives, the main goal was to introduce the growing and expanding profile of IIT Bhubaneswar to the aspiring faculty candidates who are pursing Ph.D and Postdoc at Nangyang Technological University (NTU) and National University of Singapore (NUS) to motivate them to opt for our faculty positions besides interacting with the heads of departments of academic, research and administrative importance, faculty members of different disciplines, visiting labs and R&D facilities, explore new possibilities and opportunities to add and blend into the culture of IIT Bhubaneswar together with strengthening the alumni network etc.

Teaching Excellence and Outstanding Service Awards: In an endeavor to create an environment of teaching-learning of high order, faculty members who got highest rating in student feedback on courses and teaching, have been honored with teaching excellence awards. In addition, to recognize the outstanding contribution in other service areas, Faculty members are honored. The list of faculty members who were honored on the last Foundation Day, include the following:

Dr. Pathikrit Bhattacharya – Distinguished Teaching Award (Overall Best Performance)

Dr. Debapratim Ghosh – Award for Commendation for overall good performance

Dr. Vasudeva Rao Allu – Award for Commendable Teaching

Dr. Sankarsan Mohapatro - Award for Commendable Teaching

Dr. Rajakumar Guduru - Award for Teaching Excellence

Dr. Anoop Thomas – Award for Teaching Excellence

Awards & Honours Received by Faculty: Several academic distinctions, honours, distinguished fellowships, associateships, named lectureships, coveted medals and awards have been bestowed on our faculty, in recognition of their academic achievements, during the last year. Some of the distinctions include:

Dr. Ashis Biswas	Member of the Board of Studies, Dept. of Biotechnology, Haldia Institute of Technology, Haldia, West Bengal.
Dr Sourav Sil	Best presentation award (National Conference on "Challenges in Earth System Sciences for Global Sustainability (CESSGS)" 15th to16th January, 2020, IIT Kharagpur
Dr. Sandeep Pattnaik	Indian Meteorological Society (IMS) Associate Fellowship
Dr. Sankarsan Mohapatro	Odisha Young Scientists Award in the category of Engineering & Technology for the year 2018
Dr. Chandrashekhar Narayan Bhende	DUO/India ASEM Fellowship 2020
Dr. Olive Ray	PACE Fellowship from NREL to visit HNEI on June 2019
Dr. Srinivas Boppu	Research Ambassador, DAAD
Dr. Srinivas Pinisetty	2020 DUO/India Professor Fellowship Award. Other collaborator Prof. Ylies Falcone from University of Grenoble, France also received the award that he can use for visiting our institute for one month.
Dr. M. S. Manikandan	2019 CVET Most Cited Article Award (2019 CVET Most Cited Article Award jointly awarded by the Biomedical Engineering Society and Springer Nature and presented at the 2019 BMES Conference in Philadelphia, PA, October 16, 2019)
Dr. Padmalochan Bera	MOE Travel Grant for attending IEEE Cyber Science 2020 in Oxford University, UK during June 2/10, 2019 (Present Research Paper)
Dr. Chandrasekhar Perumalla	Track chair POWERCON – 2020 Member, Technical Program Committee, IEEE/iSSSC 2020 Life Member, National Environmental Science Academy (NESA)

Dr. Mayank Mishra	2020 DUO/India Professor Fellowship Award to carry out research work at Universitat Politecnica de Catalunya Barcelona Spain December 2020
Dr. Kodanda Ram Mangipudi	Best presenta tion award for our paper presented by Mr. Rahul Kumar (PhD student) at XVIII Mineral Processing Technology Conference
Dr. Gaurav Bartarya	Chaired a technical session in 11th International Conference on Conference on Precision, Meso, Micro and Nano Engineering (COPEN11) on 14/12/2019, IIT Indore.
Dr. Suvradip Mullick	Chaired a technical session in International Conference on Precision, Meso, Micro and Nano Engineering (COPEN 2019), at IIT Indore on 13 December, 2019
Dr. V. Pandu Ranga	Indian society of systems for science and engineering (Member of ISSSE)
Dr. Venugopal Arumuru	Indian National Academy of Engineering (INAE) Young Engineer Award (The award consists of cash prize of One lakh and a citation)
Dr. M.K.Das	Research article "Pool Boiling Crisis o n Porous Coated Surface: An Experimental Study and Model Development' has been awarded with "Prof. V.M.K. Sastri Best Paper Award" at the 25th National and 3rd International ISHMT/ASTFE Heat and Mass Transfer Conference (IHMTC 2019) (IIT Roorkee, 28th to 31st December, 2019)
Dr. Srinivas Pinisetty	Received Best Paper Award (Honorable Mention) in The 17th ACM -IEEE International Conference on Formal Methods and Models for System Design. Hammond Pearce, Matthew Kuo, Partha Roop and Srinivas Pinisetty, IIT Bhubaneswar
Dr S R Samantaray	Selected for IEEE PES Chapter Outstanding Engineer Award for 2020

6. Student Activities:

The Students' Gymkhana at IIT Bhubaneswar is a central hub for all-round development of students. The major councils under Students' Gymkhana are Social & Cultural, Science & Technology, and Sports & Games, which are active throughout the year. The annual techno-management fest Wissenaire, socio-cultural fest Alma Fiesta, and Entrepreneurship meet E-Summit have set a distinguished mark in the eastern zone and had their best editions yet.

Co-hosting of Inter-IIT Sports Meet: IIT Bhubaneswar made history by being the first 2nd Generation IIT to Co-host the 54th Inter-IIT Sports Meet alongside IIT Kharagpur. IIT Bhubaneswar hosted four games: Volleyball, Badminton, Squash, and Table Tennis. The event was lauded by all the participants as possibly the best amongst the last four events conducted at various institutes.

The students of IIT Bhubaneswar also organized various other sports events such as the Mini-Marathon, WIN India fitness campaign, IIT BBS Fitness drive, and the Inter College basketball and futsal tournaments.

Other notable events include a children's Fest 'Bachpan Ka Rangmanch', paper bag donation drive, sapling plantation drive, cloth donation drive, two Blood Donation Camps, and partnering with NGOs for the Hope Initiative in providing PPE kits to Corona Warriors.

Achievements of Students inTechnical Events:

SI. No.	Name of Event	Conducted by	Our Society/Council	Name of Student(s)	Position
1	Google Hash Code 2020.	Google	Neuromancers	Arooshi Verma, Arooshi Verma, Sourabha Bharadwaj and Hrishabh Yadav	National Rank - 7, International Rank 224
2	Bosch's Route Optimization Algorithm	Inter IIT Tech-Meet 2019	Neuromancers	Yash Raghuvanshi, Amabarish Banerjee, Sourabha Bharadwaj, Arooshi Verma and Hrishabh Yadav	Silver Medal (2nd Place)
3	Coding Hackathon	Inter IIT Tech-Meet 2019	Neuromancers	Aditya Pal, Saksham Arneja, Madhav Tumalla and Aman Pratap Singh	Silver Medal (2nd Place)
4	BARC Outreach exercise for new Technology ideas in TV Audience Measurement	Inter IIT Tech-Meet 2019	Technical Council	Himanshu Goyal, Sai Prasath S, Abhishek Mishra, Dinesh Mohanty	Bronze Medal (3rd Place)
5	Ashoka's tech for change	Inter IIT Tech-Meet 2019	Team Prajjawala	Challa Sai, T Vivek Vardhan, Immani Saaketh	Gold Medal (1st Place)
6	Techkriti	IIT Kanpur	Team Prajjawala	Deepak Khethavath Rishwanth Katam, Karteek Sirisetti (Second Mrudhul Guda Diptiman Pati and Rahul Sakya	First Prize
7	Smart Hackathon on Recycling of Lithium-ion Battery	IIITDM Kancheepuram	Student of SMMME	were Gurudev Singh, Sarthak Patnaik, Vinay Ahir, Yogesh Sarma Sedai	First Prize
8	Rejuvenating river Ganga	Ministry of Jal Shakti	Student of SIF	Harshwardhan Meena, Parth sharma, Romit Kesharwani, Koushik Gupta, Devasmith Dutta	2nd Prize
9	Civil Conclave 2020	IIT Roorkee	Student of SIF	Ravi Teja, Gaurav Pandey, G.Ruthvik, Priyanshraj Shorya, K. Rama Satwik	2nd Prize

Achievements of Students in Sports & Games:

SI. No.	Name of Event	Conducted by	Our Society/Council	Name of Student(s)	Position
1	IIT Bombay's Chess960 team battle.	IIT Bombay	Chess	Chess Contingent	1st Place
2	BGU Tournament	BGU	Basketball	Basketball Girls Team	Runner ups (2nd Place)
3	Centurion Tournament	Centurion college	Basketball	Basketball Boys Team	Semifinalist (Top 4)
4	Centurion Tournament	Centurion college	Basketball	Basketball Girls Team	Semifinalist (Top 4)
5	BGU Tournament	BGU	Cricket	Boys Volleyball Team	3rd Place
6	IMI Tournament:	IMI	Volleyball	Boys Cricket Team	Runner ups (2nd Place)
7	Trident Cup	Trident College	Volleyball	Boys Cricket Team	Runner ups (2nd Place)

Achievements of Students in Socio-Cultural Events:

Sl. No.	Name of Event	Conducted by	Our Society/ Council	Name of Student(s)	Position
1	Chai Pe Quiz 2020	Cochin Quiz Club	Quiz Club	Sarthak Patnaik	2nd
2	Chai Pe Quiz 2020	Cochin Quiz Club	Quiz Club	Pooja Kavya Dash	3rd
3	Perception 2020, Qurious – The Open General Quiz	CET Bhubaneswar	Quiz Club	Sarthak Patnaik	3rd
4	SciTechBiz Quiz	Chiasma 4.0, AIIMS Bhubaneswar	Quiz Club	Sarthak Patnaik	3rd
5	DC-Marvel Quiz	Alma Fiesta, IIT Bhubaneswar	Quiz Club	Pritom Sarma and Lynette Dias	1st
6	SciTechBiz Quiz	Q4Quizzing, Wissenaire 2020	Quiz Club	Prakshal Jain, Satya Sangram Mishra and Nitish Kumar	2nd
7	The General Quiz	Quizzing_Always	Quiz Club	Sarthak Patnaik	1st
8	MELAS- Music, Entertainment, Literature, Arts and Sports quiz	Quizzing_Always	Quiz Club	Sarthak Patnaik	3rd
9	Messi Quiz	Quiz Club, LNMIIT	Quiz Club	Rahul Rajeev	1st
10	Finger Painting	Spring Fest, IIT Kharagpur	Kalakriti	Soumi Halder	1st
11	Sketching	Alma Fiesta, IIT Bhubaneswar	Kalakriti	Abhishikth	1st
12	Face Painting	Alma Fiesta, IIT Bhubaneswar	Kalakriti	Soumi Halder	2nd
13	DO4NATION	Wissenaire, IIT Bhubaneswar	Kalakriti	Amizdhan A S	2nd
14	Amaterasu (group dance competition)	Chiasma 4.0, AIIMS Bhubaneswar	D-Gang	Team Performance	2nd
15	Topsy Turvy (group dance competition)	Alma Fiesta, IIT Bhubaneswar	D-Gang	Team Performance	2nd
16	Prove Your Move (group dance competition)	Xstacy, Cet Bbs	D-Gang	Team Performance	1st
17	Stage play competition	Alma Fiesta, IIT Bhubaneswar	The Fourth Wall	Team Performance	3rd
18	Monologue competition	Festember, NIT Trichy	The Fourth Wall	Saurabh Kumar	1st
19	Slam Poetry event	Alma Fiesta, IIT Bhubaneswar	Panacea	Debadrita Das	1st
20	Devil's Advocate	Chiasma 4.0, AIIMS Bhubaneswar	Panacea	Saurabh Kumar	1st
21	Macro Photography competition	Anwesha 2019, IIT Patna	Clix	Nikhil yerra	1st
22	Siniti Photo contest	VNR VJIET	Clix	Sameer choudhary	2nd
23	Clixathon	IIT Bhubaneswar	Clix	Harsha Vardhan	1st
24	Clixathon	IIT Bhubaneswar	Clix	Sravani	2nd
25	Through the lens	Wissenaire, IIT Bhubaneswar	Clix	Sathvik Bobba	2nd
26	Classical band competition	Spring Fest, IIT Kharagpur	Aaroh	Team Performance	2nd
27	Acoustic band competition	Alma Fiesta, IIT Bhubaneswar	Aaroh	Team Performance	3rd

7. Infrastructure Creation:

Towards the end of financial year 2016-17, MHRD, Govt. of India sanctioned Rs 850 Crore to the institute for Phase-2 constructions to fully develop the institute in all respects for a student strength of 2500. The institute carried out a very proactive exercise of creating the 2nd phase infrastructure and complete it by Jan 2019. The Institute selected NBCC as the PMC through competitive bidding process and carried out a very careful planning process for speedy initiation and completion of Phase-II buildings. The Master plan has been redone with a lot of improvements including creation of academic and residential spines.

Sl No.	Name of the Work	Area (Sq.m.)	Cost of Buildings (in Crore)	Date of Start	Likely date of Completion	Percentage of Progress
	M/s Krishna Builders					
1.	Boys' Hostel (800 Seater)- 1 No.	24504	103.84	20.04.2017	15.07.2019	Completed except defects
2.	Girls' Hostel (400 Seater)- 1 No.	15043		20.04.2017	15.07.2019	Completed except defects
	M/s. Simplex Infrastructures and M/s. Girdhari Lal Constr. Pvt. Ltd					
1.	Boys' Hostel (800 Seater)- 1 No.	24504	541.06	27.11.2017	25.06.2021	43%
2.	Type – A Faculty Qtrs. (44 Nos)-2 unit	11386				
3.	Type –B Faculty Qtrs. (88 Nos) -4 unit	21275				
4.	Type –C Staff Qtrs. (66 Nos)-3 unit	13682				
5.	Type –D Staff Qtrs. (44 Nos) - 2 unit	6633				
6.	Students activity centre (including swimming Pool 50 x 25M)	4350				
7.	Dispensary	1224				
8.	Auditorium (1500 Capacity)	5278				
9.	School of Minerals, Metallurgical and Materials, Engineering	6085				
10.	School of E arth Ocean & Climate Sciences	6001				
11.	School of Humanities, Social Sciences & Management	1715				
12.	Central Workshop	2545				
13.	Central Research and Instrumentation facilities	2725				
14.	Lecture Theatre (60 Seater Class room - 48 Nos., 120 Sea ter Class room-22 Nos., 240 Seater Class room - 4 Nos.	24632				
15.	Director's Bungalow	506		27.11.2017	14.02.2020	Completed
	M/s. SNS Infracon Pvt. Ltd.					
1.	Commercial Complex (Academic)	1282	31.09	01.06.2018	30.04.2021	40%
2.	Commercial Complex (Residential)	1601				
3.	Extension of SES Building	4898				

	M/s. Lalitendu Satpathy and M/s. Gurumaharaja Engicon Pvt.Ltd.				
1.	Construction of Sewerage Network at Argul Campus		14.47	14.11.2018	30.06.2021	12%
	M/s. Shreejikrupa Projects Ltd.				
1.	Efficiency Hostel	7555				
2.	Extension of SBS Building	2564	52.35	14.12.2018	30.04.2021	37%
3.	Extension of SIF Building	3105				
4.	Extension of SMS Building	3128				
	M/s. Shreejikrupa Projects Ltd.				
1	External development (like Road, Drain, Play Fields, Play courts, Equipment room, Cycle car parking	40 acres	58.66	03.03.2019	30.06.2021	30%

The scheduled date of completion of the work was December 2019. The overall financial progress of the projects as of now is approx. 48%. Now it is expected to be completed by March -2021 as per NBCC. All the projects in Phase II are witnessing substantial delays in construction primarily due to inadequate mobilization of resources by the executing agencies and NBCC's difficulty in impressing upon the contractors. The delay in construction have also affected the projected aggressive plan of growth by the Institute.

8. Green Campus Initiatives: IIT Bhubaneswar is highly committed towards promoting the culture of eco-friendliness, creating a green belt, has been taking up humongous steps towards making the campus and nearby places green and adopted several green campus initiatives: IIT Bhubaneswar has created and maintains outstanding landscapes and greenery in the campus. Plantation of trees also help create wellness environment important for the campsites to enjoy the working and residential space.

Plantation Initiative:— In addition to 35,000 plants planted in the previous four years, last year more than 3,000 plants have already been planted. The exotic and indigenous evergreen and deciduous flowering trees and plants such as Bauhinia, Eugenia, Foxtail palm etc, were some of the varieties chosen to be planted to create the healthy echo-system for attracting the exotic and migratory birds. Every effort was made to restore the damage occurred due to Fani. Along with the plantation of new plants, the old ones were restored. We are happy to share that most of the trees and plants survived. The massive task related to the teak plantation was completed along the boundary wall of our campus.

Cycle Friendly Campus Initiative: IIT Bhubaneswar banned power vehicle use by students and incorporated the "Cycling Culture" for promoting the health benefits of students, faculty, staff and the community and for controlling environmental risk factors. The institute has initiated the Bicycle Infrastructure Development Plan for creating "Cycle Friendly Campus" by providing sustainable and convenient tree-lined

cycle path for riding a bicycle between the schools and hostels, and for constructing cycle parking infrastructure in each of the buildings.

Energy-Harvesting Initiative: IIT Bhubaneswar installed and commissioned a solar power plant with the capacity of 0.49 MW of capacity on the existing building roof tops to reduce carbon footprint and dependency on conventional sources of energy. The facility got totally blew out during the extremely severe cyclone, Fani in May 2019. IIT is pursuing with the agency M/s. S.R. Corporates for reinstallation at their cost as it did not sustain in wind speeds less than 185 KMPH while they were promised to withstand wind speeds of up to 200 KMPH, as required by IIT.

Water-Harvesting Initiative: IIT Bhubaneswar has initiated building up of rooftop rainwater harvesting and surface rainwater harvesting infrastructure, and setting up a waste management system and wastewater recycling plant, to make the campus zero-discharge.

Green Buildings: The buildings are GRIHA (Green Rating for Integrated Habitat Assessment) 4 and 5 compliant. The building construction is done by using the fly ash blocks which are not only environment friendly, but also keep the building cool and clean.

Eco-friendly Waste Disposal: IIT Bhubaneswar deployed dustbins with biodegradable and non-biodegradable categories.

9. Alumni Activities:

The Alumni Cell and Alumni Association of IIT Bhubaneswar has continued their activities relentlessly in spite of current global situation. The Bangalore Chapter of IIT BBS Alumni Association was formed and inaugurated on 28 September 2019 by our Director, Prof. R V Raja Kumar in presence of Prof. Ashok Mishra, President IIT ACB and Mr. Ashok Kamath, Secretary, IIT ACB as well as Prof. R K Panda, Dean (AA& IR), Prof. Sujit Roy, Dean (R&D) and Prof. V R Pedireddi, Dean (SA), Ms. Lipsa Bharati, Alumni Association President and a good number of Alumni located at Bengaluru. Ms. Madhavi Rongali was nominated as the first president of the Chapter. This was a notable event that has deepened the relations between the Institute and the alumni and a few more chapters are planned to be activated in the near future.

The first ever off-campus meet of the Association, was convened at the IIT Alumni Chapter, Bengaluru. In this meet, our current students enjoyed interacting with the alumni and getting to know what they have been doing over the past few years. An insightful discussion was held regarding Placements, Alumni Student relations, and the scope of Alumni Activities abroad.

Another major event was the IIT Industry Conclave organized by the IIT Alumni Centre Bengaluru during 7-9 February 2020. This event was attended by Ms. Lipsa Bharati, Prof. R K Panda and Prof. Sujit Roy. This conclave provided an opportunity to interact with speakers from various walks of life including a large number of IIT

Directors and alumni. This conclave prepared a road map pertaining to the role of IITs in improving the economy of the country.

Participation in PAN IIT Singapore Event: During the visit to Singapore by the Director, Prof R V Raja Kumar and five Deans during 6th – 13th Nov 2019 in search of potential faculty candidates for IIT Bhubaneswar from Nanyang Technological University (NTU) and National University of Singapore (NUS) and collaboration opportunities, the team and the IIT Bhubaneswar alumni located in Singapore were invited by PAN IIT Alumni Association in Singapore on 9th November. 2019 to participate in their annual meeting. This interaction was a stepping stone for connecting our Alumni in Singapore with all IIT Alumni Association in Singapore and will help our students getting employment for our students in Singapore.

Other Activities: Apart from these significant events, various other events have also been conducted by the Association in the recent past. Various Webinars and Interactive events were held over the academic year, enabling our students to obtain guidance from successful alumni and entrepreneurs.

The 3rd issue of Alumni Newsletter could be published recently in spite of the current Pandemic situation as a consequence of joint effort of the Alumni Association and Alumni cell; that presents many significant events of the Institute for the students and by the students for the information of outside world.

10. Entrepreneurship & Startup Activity:

IIT Bhubaneswar is committed to its goal of nurturing the entrepreneurship culture among its students.

E cell activities: This year has been an eventful year for E-cell as it organised workshops, webinars and its flagship event E summit 2020. A two day workshop "From young innovators to Entrepreneurs" conducted with CEP and Govt. of Odisha for School children selected by the Mediator entity. Nov. 20-21, 2019. The sixth edition of E-Summit was organised during January 10-12, 2020 with the theme "Shifting Paradigms: Pursuing Purpose Beyond Profit".

This year E-Summit had seen a 100% growth from its previous edition with a participation of twelve hundred students from various institutes, more than four thousand virtual participation through Entrepreneurial Ideation which was conducted as a pre-fest competitions, more than fifty start-ups for Investors drive & Start-up Internship Fair. The E-cell organised two webinars on entrepreneurship development as well which were delivered by the Mr. Gaurav Sangtani, Vice President   Goldman Sachs and Prf. Ashok K. Panda, Consultant STPI

Technology Incubation Centre activities: Currently four projects are running under technology incubation center, three of them being based on internet of things ranging from home security solutions, health monitoring devices to electrical power grid stability solution.

11. Continuing Education Programme (CEP):

Continuing Education Programme (CEP) is an outreach initiative of IIT Bhubaneswar which aims to impart training and dissemination of knowledge related to the frontiers in Science, Technology, and Management. CEP takes them forward to build unique skills, capabilities and knowledge to manage complex challenges, meet operational and strategic needs and enhance competitive advantages.

Symposiums, Conferences and Workshops at CEP: Last year twenty (20) National and International symposiums, conferences and workshops have been organized under the aegis of Continuing Education, IIT Bhubaneswar. Notable among them are tabulated below:

Sl. No.	Name of the Events	Symposium/ Conference/ Workp	Duration of the Event	Type of the Event (National & International)	Mode of Cond	No. of Partici-ps
1	The 64th Congress of Indian Society of Theoretical and Applied Mechanics (ISTAM 2019)	Conference	9th – 12th December, 2019	International	Offline	181
2	The 2nd National Workshop on Recent Development in Smart-Grid Technology (NWSGT -2020)	Workshop	23rd – 24th January, 2020	National	Offline	69
3	Indian Symposium on Offshore Geotechnics (ISOG 2019)	Symposium	5th – 6th December, 2019	International	Offline	110
4	International workshop on Future Application of Screw Piles (IWFASP 2019)	Workshop	7th December, 2019	International	Offline	60
5	The 24th International Symposium VLSI Design and Test (VDAT 2020)	Symposium	23rd – 25th July, 2020	International	Online	161

Quality improvement Programme (QIP): IIT Bhubaneswar has been chosen as a QIP Centre in the Academic year 2019-20 by All India Council for Technical Education (AICTE). IIT Bhubaneswar has admitted five faculty members of degree-level engineering institutes to regular Doctoral Degree Programs in different Branches. IIT Bhubaneswar has recommended five more sponsored technical faculty members of degree-level engineering institutes for advance admission for Ph. D programme under QIP for Academic year 2020-21.

Global Initiative of Academic Networks (GIAN): One of the Flagship programs of the Ministry of Education, Government of India – GIAN (Global Initiative of Academic Networks). Under the programme, IIT Bhubaneswar has conducted 32 Nos. of short-term courses with the support of eminent professors of foreign origin and renowned Indian professors working in foreign universities. Furthermore, 31 Nos. of short-term course proposals have been submitted by IIT Bhubaneswar for phase – III of the Global Initiative of Academic Networks (GIAN).

Scheme for Promotion of Academic and Research Collaboration (SPARC): The aim of the SPARC, a Ministry of Education's scheme is to improve the research ecosystem of India's higher educational institutions by facilitating academic and research collaborations between top-ranked Indian Institutions and globally ranked Foreign Institutions. For IIT Bhubaneswar, Eleven Major Research Projects have already been sanctioned. This is the largest number of approvals amongst the 2nd and 3rd generation IIT's. and International Professors have already started sharing their expertise through interaction with faculty members and students at IIT Bhubaneswar. International faculty members are taking classes in online mode due to pandemic COVID 19. Institute has successfully conducted 3 Nos. of workshop under the SPARC in the different research fields with the support of eminent foreign professionals. IIT Bhubaneswar has extended the facilities to the research scholar to work under joint guidance of these eminent foreign professors and faculty of IIT Bhubaneswar. The institute has been awarded with the largest number of approvals amongst the 2nd and 3rd generation IIT's.

12. Outreach Programme:

Going by the spirit of Government of India in instituting the Unnat Bharat Abhiyan in making the benefit of the presence of an IIT make a difference in the hinterland, IIT Bhubaneswar started a very spirited Outreach Programme. The institute takes up several activities in the following means during the last year under its Outreach programme:

Open House and S&T Exhibition: On the Foundation Day (12th February), the Institute conducts open house, every year, for public to showcase the knowledge and technology to High School to Post-Graduate students every Year through grand exhibition of as large as 250+ research excellence projects undergoing at the Institute, being attracted by the society in large numbers ranging from 8000-9000.

Swachh Bharat Program: Initiative of Prime Minister of India to make India under Clean India program, the Institute in true spirit and action follows up the event meticulously making it as a compulsory program under NSS activity of the Student Flagship program.

Ek Bharat Shreshtha Bharat (EBSB): Institute conducted all the events pairing the two states of the country for exhibiting the cultural aspects of the states with the participation of large number of students, staff and faculty, which is highly appreciated by the Ministry of Human Resource Development (MHRD), New Delhi.

Unnat Bharat Abhiyan (UBA) activities: The following activities were undertaken by the UBA team during the last year.

- Forty four buses carrying migrant workers from their work places in different south Indian cities like Hyderabad, Bengaluru, Vijayawada, Chennai, Amarkantak and Thiruananthapuram to their homes in Odisha, West Bengal,

Bihar, Kashmir and Jharkhand are requested to stop and 1008 packets of cooked and packed food and water are served to migrant workers. The first batch of distribution was led by the Director Prof R V Rajakumar himself at the National Highway No 16 near Khordha over bridge on the afternoon of 20 May 2020 amidst the spell of Cyclone Amphan. In the evening of the same day and on 21 May 2020, a team of volunteers continued the distribution near at the National highway.

- The UBA cell of IIT Bhubaneswar in association with IIT community have served 1014 construction workers including 92 children with 11 quintal Chuda (flattened rice), 6 quintal Sugar, 93 packets of Amul milk powder, 960 packets of Biscuit, 4750 pieces of Cookies, 1410 Soaps and 550 Masks. It has reached out to the family of a deceased worker with a token of financial assistance. The support includes the donations from faculty and staff of the institute and a generous donation from Kalinga Renewable Energy manufacturers Pvt Ltd, Bhubaneswar.

- On the eve of Gandhi Jayanti, October 2, 2020, UBA team organized an online Drawing and Essay Writing competition for kids from all the UBA adopted villages to celebrate the birthday of Mahatma Gandhi, Shahid Bhagat Singh and Lal Bahadur Shastri.

- UBA team have conducted two webinars consecutively on 21.09.2020 and 22.09.2020 in order to sensitize UBA volunteers and villagers residing in the adopted villages about the proposals of National Education Policy 2020.

13. Career Development Cell (CDC):

Campus placements of 2020 passing out batch have been eventful in terms of a very significant rise in new recruiters visiting IIT Bhubaneswar, in addition to majority of the previous recruiters repeating this year too, indicating faith/trust in the quality of our students. IIT BBS could achieve remarkable feat in achieving placement targets despite the pandemic situation in the country.

Key highlights

- Total 160 students from UG received offers.

- Undergraduate placement is about 87% and placements would continue till November 2020 due to the outbreak of pandemic.

- Highest domestic CTC offered was 43.3 Lakhs per annum.

- Average salary is 15.8 Lakh per Annum for UG. A sharp increase of 34% over the last year.

- M.Tech placements are close to 65%. Placements would continue till November 2020 due to the outbreak of pandemic.

- The trend this year shows 51% students getting jobs in core engineering fields. Students also got offers from the analytics sector (8%), IT sector (32%) and consulting (9%).

- PSU's like HPCL, IOCL, Oil India Limited, TRAI, Bharat Electronics Limited have participated in the campus placements.
- MNC companies like Microsoft, Goldman Sachs, GE India, Honeywell, Samsung R&D, Reliance JIo, HSBC Technologies India, OYO, Maruti Suzuki, Mahindra & Mahindra, Infosys, TCS R & D, and Adobe have participated in this year of placements. Many start-ups and fintech companies have shown keen interest to hire this year.

14. Distinguished Visitors:

A large number of distinguished personalities to the tune of 100 visited the Institute on different occasions, addressed the faculty, students and staff. The visitors include, Prof. Marc Madou (University of Caliornia), former Vice President of Advanced Technology at Nanogen, California.; Prof. Amitabha Ghosh, Former Director, IIT Kharagpur; Shri Vivek Atray, Author, Advisor, Motivational Speaker and ex-Indian Administrative Service (IAS) officer; Prof. Shiva K. Ojha, former Professor, IIT Bombay; Dr. Manabi Bandyopadhyay, is first Transgender (TG) Transwoman Principal of college in India; Shri Rajah Venkatraman, Director, Fortune Consultants Ltd; Prof. S.L. Maskara; Prof. T.S. Lamba; Prof. B.K. Saraf; Prof. Ganpati Panda; Prof. Indranil Manna, Vice President, INAE and former director, IIT Kanpur; Dr. Sanak Mishra, President, INAE; Prof. Ashok Jhunjhunwala, Professor, IIT Madras; Dr. Manish Gupta, Co-founder and CEO, Videoken; Shri. R.N, Nayak, Former Chairman and Managing Director, Powergrid Corporation of India; Prof. Jayanta Mukhopadhyay, IIT Kharagpur; Prof. S.A. Soman, IIT Bombay; Prof. Rudra Pratap, Centre for Nano Science and Engineering (CeNSE), IISC, Bangalore; Prof. M. Parida, Dept. of Civil Engineering, IIT Roorkee; Mr. Satya Ranjan Sahoo, Managing Director of Utkalika and an Honorary Faculty at The Art of Living and a guest faculty at the Sri Sri University; Prof. Ganeshi Lal, The Hon'ble Governor of Odisha; Shri. K. Sivan, Chairman ISRO; Pt. Hariprasad Chaurasia, Padma Vibhushan and Renowned Flute Player; Dr. Kiran Seth, Founder of Spicmacay; Pt. Subhankar Banerjee, Renowned Tabla Player; Shri. G.C. Pati, Former Chief Secretary, Govt. of Odisha; Shri Sunil Mishra, State Chief Information Commissioner, Odisha; General Basant Mahapatra, AVSM; Shri Nirmai Charan Padhi IPS (Retd.), Former Director General of Police; Justice Dr. D.P. Choudhury, Retd Judge Orissa High Court; Prof. G. L. Sivakumar Babu, President, IGS; Prof. Mark Randolph On behalf of Chairman TC 209; Ravindra. K. Ghanekar, IEOT, ONGC; Prof. Guirong Liu, University of Cincinnati; Prof. PVSN Murthy, Chairperson, ISTAM; DK Maiti, Secretary, ISTAM; Shri. Pratap Chandra Sarangi, Hon'ble Minister of State for Animal Husbandry, Dairying and Fisheries and Micro, Small and Medium Enterprises, Govt. of India; Ms. Dutee Chand, Indian professional sprinter; Shri. Tusharkanti Behera, Hon'ble Minister of State (Independent Charge), E & IT, Sports & Youth Services, Govt. of Odisha; Prof. Amba Kulkarni, Head, Department of Sanskrit Studies, University of Hyderabad; Prof. Siniruddha Dash, University of Hyderabad; Radhamadhav Dash; Dr. Ranjan Singh,

(NTU, Singapore) Associate Professor at the School of Physical and Mathematical Sciences, Division of Physics and Applied Physics, Nanyang Technological University (NTU) Singapore; Shri. Omkar Rai, DG, STPI; Shri Manoj Kumar Mishra, IRTS, Secretary, E & IT Department, Govt. of Odisha; Dr. Pradipta Biswas, IISc Bangalore; Dr. Kaushal Kumar Bhagat, CET, IIT Kharagpur; Prof. Rajesh M. Hedge, IIT Kanpur; Dr. Shiva Ji, IIT Hyderabad; Shri. Subroto Bagchi, Chairman Odisha Skill Development Authority; Smt. Susmita Bagchi, Chairperson of the "#MoSchool Abhiyan Parichalana Sanghthan"; Dr. Ramgopal Agarwala, Distinguished Member of Niti Aayog; Prof. D. D. Misra, Chairman of the Board of Governors of IIT (ISM) Dhanbad; Shri Arun Bothra, IPS, CEO, CESU, Bhubaneswar and Capital region urban transport; Ms. Kanika Tekriwal, CEO of JetSetGo; Mr. Sharad Vivek Sagar, CEO of Dexterity Social Entrepreneur; Mr. Kunal Chandiramani, CEO of K-Star; Mr. Anirudh Damani, Managing partner of Artha Ventures; Dr. Kshiti Bhusan Das, Pro-Vice Chancellor, IGNOU, National Fellow (ICSSR); DJ Tejas and Akasa Singh - DJ and Renowned Bollywod Singer; Dr. Saurabh Garg, CMD, OPTCL, Principal Secretary, Govt of Odisha; Prof. S. C. Srivastava, IIT Kanpur; Adv. Namrata Chadha, Social activist and a member of Internal Complaint Committee, IIT Bhubaneswar; Dr. Manas Kumar Mandal, Former Director General (Life Sciences), Defence Research and Development Organization (DRDO); Adv. Chittaranjan Bairisal, Lawyer; Shri Biswa Bhusan Harichandan, Hon'ble Governor of Andhra Pradesh; Dr. Sudhansu Sarangi, (IPS) Commissioner of Police, Bhubaneswar-Cuttack; Mr. Subroto Bagchi, Chairman, Odisha Skill Development Authority and Co-founder Mind Tree; Shri. Bibhuti Pattanaik, Renowned Odia Novelist and Columnist; Dr. Sanghamitra Pati, Director, ICMR-Regional Medical Research Centre, Bhubaneswar.

15. Women's Welfare Committee (WWC):

WWC, IIT Bhubaneswar organized a workshop on "Rights of Working Woman" on 27th January 2020. The resource persons for the event were Adv. Namrata Chadha (Social Worker, Member of ICC, IIT Bhubaneswar) and Adv. Chittaranjan Barisal (Civil Lawyer). A three day programme was conducted by WWC as a part of International women's day celebration-2020. Dr. Sanghamitra Pati, Director ICMR – Regional Medical Research Centre Bhubaneswar addressed the women's day evening function as chief guest. Director Prof R V Rajakumar, presided the function and Chairperson WWC Dr. Remya Neelancherry delivered the welcome address.

16. Computer and IT services Cell (CITSC):

The following are some of the activities carried by CITSC in the last academic year

- Adapted a system to conduct online classes in the very early stages of the covid pandemics so that student's academic activities are not interrupted.
- Implemented a system to conduct conventional exams online. The system was used to successfully graduate all the students with full honors.

- Assisted the institute in conducting numerous online meetings including senate, BoG etc for the smooth functioning of the institute during the pandemic.
- Campus wide license of engineering softwares like MATLAB and ANSYS where procured.
- Upgraded the campus Intranet with high end networking equipment's.
- Provided seamless WiFi connectivity in the play field to all the participants of the sports meet.
- New ERP modules like leave management system, research scholar fellowship management, R&D project staff management.
- The new datacenter is made operational.

17. Graduates of the Year:

In this convocation **200** B.Tech., **141** M.Tech., **70** M.Sc., and **35** Ph.D. students will be receiving their degrees, totaling **446.**

Mr. ADITYA PAL, Computer Science and Engineering receives the coveted President of India Gold Medal for topping all B. Tech. branches.

Mr. SANKET DEY CHOWDHURY, School of Infrastructure receives the coveted Director's Gold Medal for topping all M. Tech. specializations.

Mr. SOUVICK CHAKRABORTY, Physics (School of Basic Sciences) receives the coveted Director's Gold Medal for topping all M. Sc. branches

The following students receive the Institute Silver medals for topping in their respective branches/specializations as shown below:

Institute Silver Medal for Topping in B.Tech. Programmes:

ADITYA PAL	Computer Science and Engineering
ARVIND T K R	Electronics and Communication Engineering
ABHISHEK MISHRA	Mechanical Engineering
AMAN SINGHAL	Civil Engineering
MANAPURAM JYOTHI VENKATA SAI ADITYA	Electrical Engineering
SHUBHAJIT MONDAL	Metallurgical and Materials Engineering

Institute Silver Medal for topping in M. Tech specializations:

SANKET DEY CHOWDHURY	School of Infrastructure (Environmental Engineering)
DUSANE AJINKYA RAJENDRA	School of Mechanical Sciences (Mechanical Systems Design)
PRIYABRATA DAS	School of Minerals, Metallurgical and Materials Engineering (Metallurgical and Materials Engineering)
ANOOP KUMAR YADAV	School of Electrical Sciences (Computer Science and Engineering)
GAURAB BHATTACHARYA	School of Electrical Sciences (Electronics and Communication Engineering)
KHADKE LEENA SANJAY	School of Earth, Ocean and Climate Sciences (Climate Science and Technology)
DEBJIT RANA	School of Electrical Sciences (Power System Engineering)

Institute Silver Medal for topping in M.Sc. disciplines:

SOUVICK CHAKRABORTY	Physics
ADHAINA SUSAN JAMES	Geology
DEBABROTA MONDAL	Mathematics
SUDESHNA GOSWAMI	Chemistry
ARKAPRAVA RAY	Atmosphere and Ocean Sciences

The other endowment awards won by the students are shown below:

Dr. K. Kasturirangan Award (Best Male Graduate)	ADITYA PAL
Prof. P. Rama Rao Award (Best Lady Graduate)	MEGHNA CHINMOY SAHA
Dinesh Memorial Award (Best B. Tech Thesis – Mechanical Sciences)	METTA SRIRAM
Tejaswi Memorial Award (Best B. Tech Thesis – Electrical Sciences)	TUMMALA MADHAV

18. Other Activities:

Besides the several programmes mentioned earlier in the report, the Institute observed and celebrated several events ranging from Swachh Bharat Programme, Medical Camp, Blood Donation Camp, Rashtriya Ekta Diwas, National Education Day, Sustainable Environment Awareness Campaign by students of IIT Bhubaneswar across the smart city of Bhubaneswar in a bid to spread awareness about the importance of planting trees and usage of paper bags instead of plastic ones for creation of sustainable ecosystem for all, 71st Republic Day, 12th Foundation Day and 3rd Edition of Open Day, Preventive Health Check Up Camp, International Women's Day, Plantation drive on the eve of World Environment Day, 74th Independence Day, 6th International Yoga Day Hindi Pakhwada, Fit India Freedom Run, and a large number of students, faculty and staff members actively participated in all the events.

Acknowledgements:

This Institute and its entire activities could not have been achieved without the full participation and support of all stakeholders – our faculty, students and staff; agencies and industries sponsoring R&D and consultancy projects; professionals from other organizations and our alumni. The Institute is grateful to the Ministry of Human resource Development, Govt. of India for its continued and sustained encouragement and support.

Before I conclude, I congratulate all the graduating students, awardees and medal winners and wish all happiness, professional success and fulfillment in their lives.

Jai Hind!
Professor R. V. Raja Kumar
December 4th, 2020