



B. P. Poddar Institute of Management & Technology
Internal Quality Assurance Cell (IQAC)

Ref: Bpp/Notice/IQAC/1/19-20

Date: 28.01.2020

NOTICE

The 9th meeting of the Internal Quality Assurance Cell shall be held on Friday the 31st January, 2020 at 4.00 p.m. in the Conference Room. The agenda are as follows:

Agenda of the meeting:

- 9.1 To finalize the internal audit format (Vide Annexure 9.1)
- 9.2 To present the academic performance report of the students for the AY 2018-19 (Vide Annexure 9.2)
- 9.3 To present the achievements report for the AY 2018-19 (Vide Annexure 9.3)
- 9.4 To present the R&D activities report for the AY 2018-19 (Vide Annexure 9.4)
- 9.5 To present the training and placement report for the AY 2018-19 (Vide Annexure 9.5)
- 9.6 To present the Audit report for AY 2018-19 (Vide Annexure 9.6)

All the members are requested to attend the meeting.

Arijit Saha
28/1/2020.
Dr. Arijit Saha
(Coordinator, IQAC)

Sutapa Mukherjee
Prof. (Dr.) Sutapa Mukherjee
(Principal)

Copy to:

1. Principal's Office
2. Registrar's Office
3. Dy. Registrar's Office
4. All HODs/Section In-charge
5. System Cell for Web hosting
6. Office file
7. All members of IQAC (By email)

ANNEXURE 9.1



B. P. Poddar Institute of Management & Technology
137 VIP Road, Kolkata 700052

Target for Department Academic Audit

Name of the Department: _____

No. of Program(s) running: _____

Name of the Program(s) running: _____

S.No.	Criterion	Items	Set Target
1.	Faculty Contribution	Professional memberships (in %)	
2.		Seminars / conferences/ workshops to be attended (in %)	
3.		Books/ Book chapter to be published by faculty (in %)	
4.		Publications in SCI/Scopus indexed journals (in %)	
5.		Publications in other journals (in %)	
6.		Publications in International conferences (in %)	
7.		Publications in National conferences (in %)	
8.		FDP / Training Program to be attended (in %)	
9.		Preparation of E-learning materials / Content (in %)	
10.		Faculty as resource persons (in %)	
11.		PhD award/ register/ enrol (considering only M.Tech/MCA/MSc. Faculty)	

12.		PhD Guidance (considering only PhD Faculty) (in %)	
13.		Sponsored Projects to be completed / ongoing (in nos)	
14.	Departmental Infrastructure	No. of class rooms & tutorial room (considering 2 nd year onwards)	
15.		No. of laboratories	
16.		No. of computers – for teachers	
17.		No. of computers – for students	
18.		No. of instruments for research	
19.		No. of Printed Books to be added in dept. library	
20.		No. of Web-resources CDs to be added in dept. library	
21.		No. of e-Books to be added in dept. library	
22.		New Equipment and Infrastructure to be added (Y/N)	
23.		Student Profile	Students admitted vs. Sanctioned Strength (without TFW) (in %)
24.	Students admitted vs. Sanctioned Strength (for TFW only) (in %)		
25.	Students admitted vs. Sanctioned Strength (lateral entry) (in %)		
26.	Students involvement in extra-curricular & Co-curricular activities (in %)		
27.	Study tour / industrial visits / exhibitions (in %)		

28.		Internship (in %)	
29.		Training (in %)	
30.		Achievements (in nos.)	
31.	Curriculum Transaction	Teaching methods & teaching aids	
32.		E-learning modules (in %)	
33.		Project work UG (Any paper or patent etc. expected)	
34.		Internal assessment components – Uniqueness	
35.		Student support – remedial coaching (in nos.)	
36.		Parents meeting – Evaluation of student’s progress (in nos.)	
37.		Feedback from students (in % of students)	
38.		Steps taken on the feedback	
39.		Syllabus coverage (in %)	
40.		Lab classes held according to timetable (in %)	
41.	Activities of the Department	MoUs sign (in nos.)	

42.		Consultancy (in nos.)	
43.		Collaborations (in nos.)	
44.		Association Meetings (in nos.)	
45.		Guest lectures (in nos.)	
46.		Conference / Seminar / Workshop conducted (in nos.)	
47.		Extension Activity (in nos.)	
48.		Interaction with Industry / Research Centers / Educational Institutions (in nos)	
49.		Newsletters / Magazine (Frequency)	
50.		Placement (in %)	

Signature of the HoD with Seal



B. P. Poddar Institute of Management & Technology

137 VIP Road, Kolkata 700052

Format for Department Academic Audit

Name of the Department:

No. of Program(s) running:

Name of the Program(s) running:

Date:

Name and Designation of Academic Audit Experts:

S.No.	Name	Designation

Members of Department Present:

S.No.	Criterion	Items	Verification Yes / No	Comments
1.	Faculty Contribution	Professional memberships (in %)		
2.		Seminars / conferences/ workshops attended (in %)		
3.		Books/ Book chapter		

		published by faculty (in %)		
4.		Publications in SCI/Scopus indexed journals (in %)		
5.		Publications in other journals (in %)		
6.		Publications in International conferences (in %)		
7.		Publications in National conferences (in %)		
8.		FDP / Training Program attended (in %)		
9.		Preparation of E- learning materials / Content (in %)		
10.		Acted as resource persons (in %)		
11.		PhD awarded/ registered/ enrolled (considering only M.Tech/MCA/MSc. Faculty)		
12.		PhD Guidance (considering only PhD Faculty) (in %)		
13.		Sponsored Projects completed / ongoing (in nos)		
14.	Departmental Infrastructure	No. of class rooms & tutorial room (considering 2 nd year onwards)		
15.		No. of laboratories		
16.		No. of computers – for teachers		
17.		No. of computers –		

		for students		
18.		No. of instruments for research		
19.		No. of Printed Books added in dept. library		
20.		No. of Web-resources CDs added in dept. library		
21.		No. of e-Books added in dept. library		
22.		New Equipment and Infrastructure Added (Y/N)		
23.	Student Profile	Students admitted vs. Sanctioned Strength (without TFW) (in%)		
24.		Students admitted vs. Sanctioned Strength (for TFW only) (in%)		
25.		Students admitted vs. Sanctioned Strength (lateral entry) (in%)		
26.		Students involvement in extra-curricular & Co-curricular activities (in%)		
27.		Study tour / industrial visits / exhibitions (in %)		
28.		Internship (in %)		
29.		Training (in %)		
30.		Achievements (in nos.)		
31.		Curriculum Transaction	Teaching methods & teaching aids	

32.		E-learning modules (in %)		
33.		Project work UG (outcome)		
34.		Internal assessment components – Uniqueness		
35.		Student support – remedial coaching (in nos.)		
36.		Parents meeting – Evaluation of student's progress (in nos.)		
37.		Feedback from students (in % of students)		
38.		Steps taken on the feedback		
39.		Syllabus coverage (in %)		
40.		Lab classes held according to timetable (in %)		
41.	Activities of the Department	MoUs signed (in nos.)		
42.		Consultancy (in nos.)		
43.		Collaborations (in nos.)		
44.		Association Meetings (in nos.)		

45.		Guest lectures (in nos.)		
46.		Conference / Seminar / Workshop conducted (in nos.)		
47.		Extension Activity (in nos.)		
48.		Interaction with Industry / Research Centers / Educational Institutions (in nos)		
49.		Newsletters / Magazine (Frequency)		
50.		Placement (in %)		

Please comment on SWOT Analysis:

Strength:

Weakness:

Opportunities:

Threats:

Best Practice (s) / Innovations of the Department:

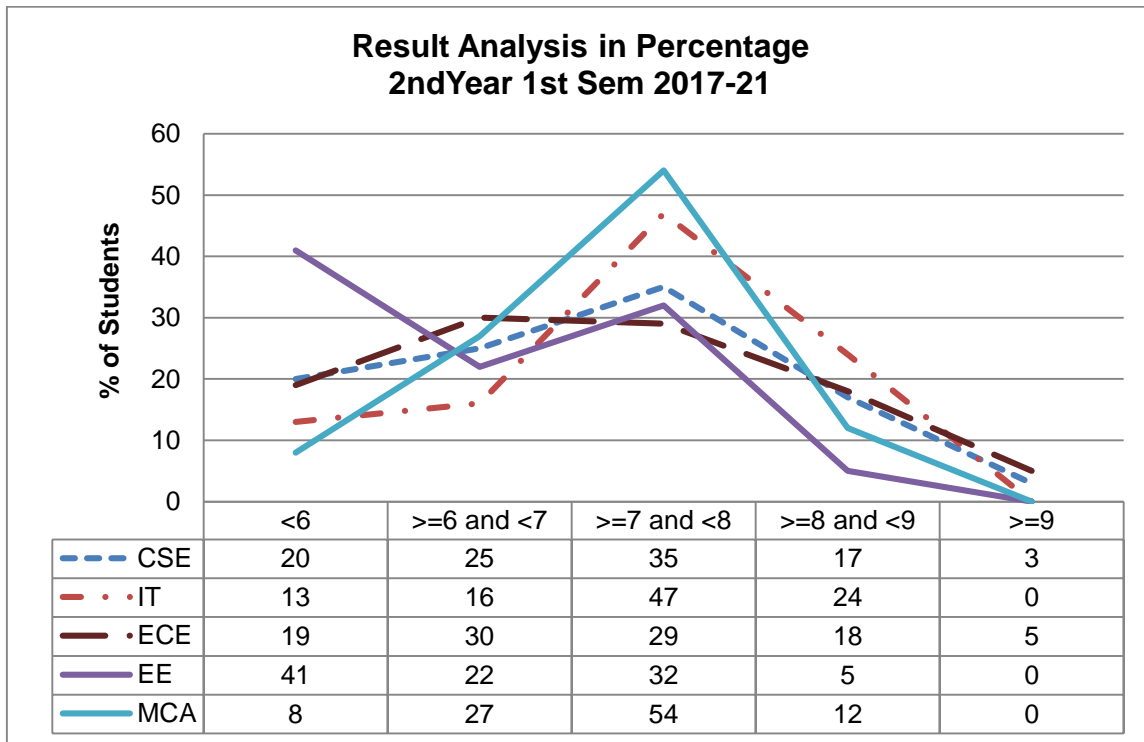
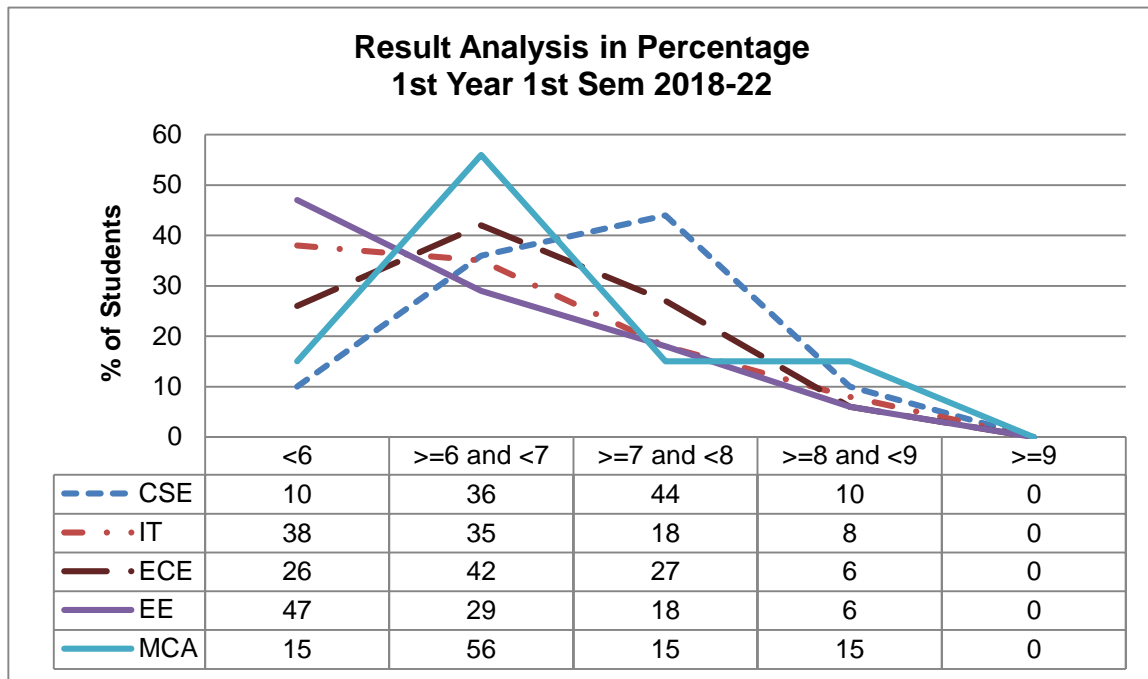
Future Plans of the Department:

Signature of the HoD with Seal

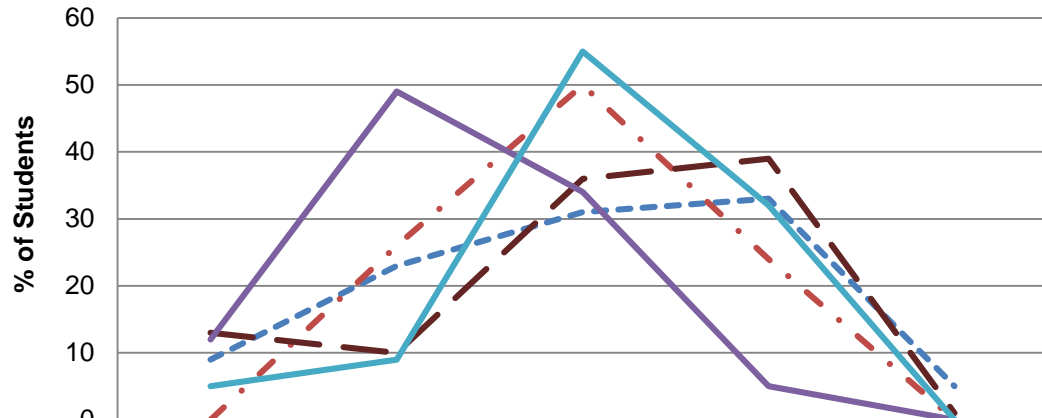
Signature of the Academic Audit Experts

ANNEXURE 9.2

Academic performance report of the students for the AY 2018-19

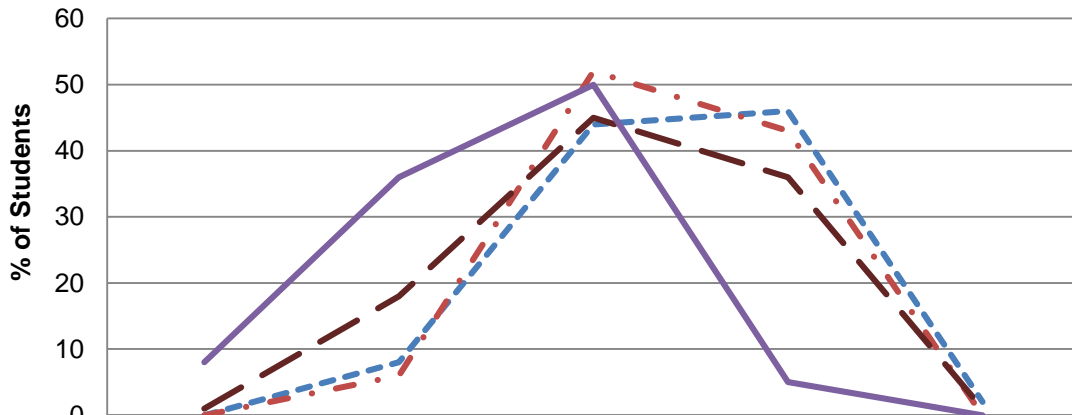


**Result Analysis in Percentage
3rd Year 1st Sem 2016-20**



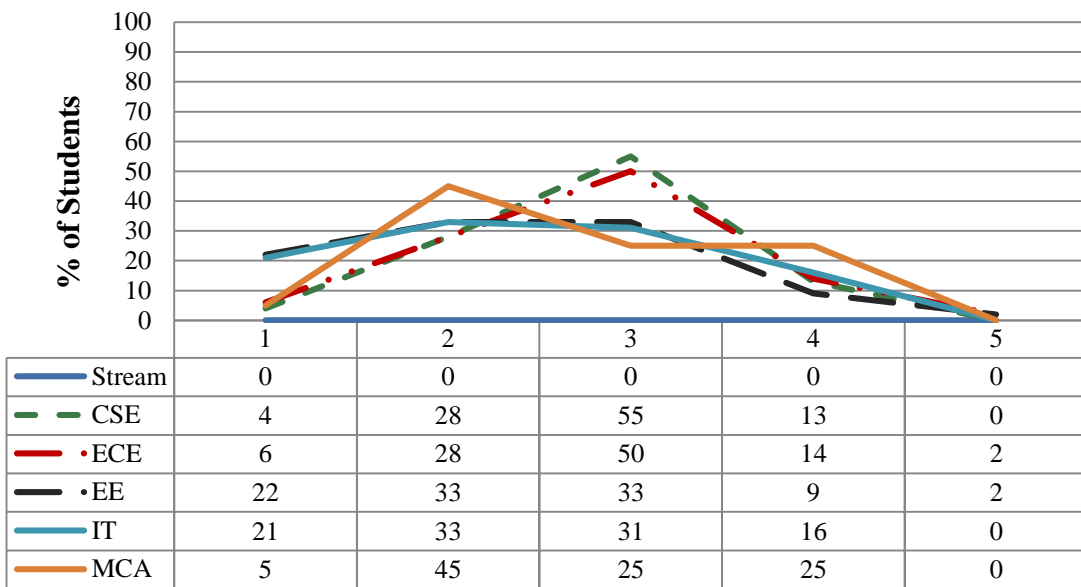
	<6	>=6 and <7	>=7 and <8	>=8 and <9	>=9
--- CSE	9	23	31	33	5
-.- IT	0	26	50	24	0
-.- ECE	13	10	36	39	1
--- EE	12	49	34	5	0
--- MCA	5	9	55	32	0

**Result Analysis in Percentage
4th Year 1st Sem 2015-19**

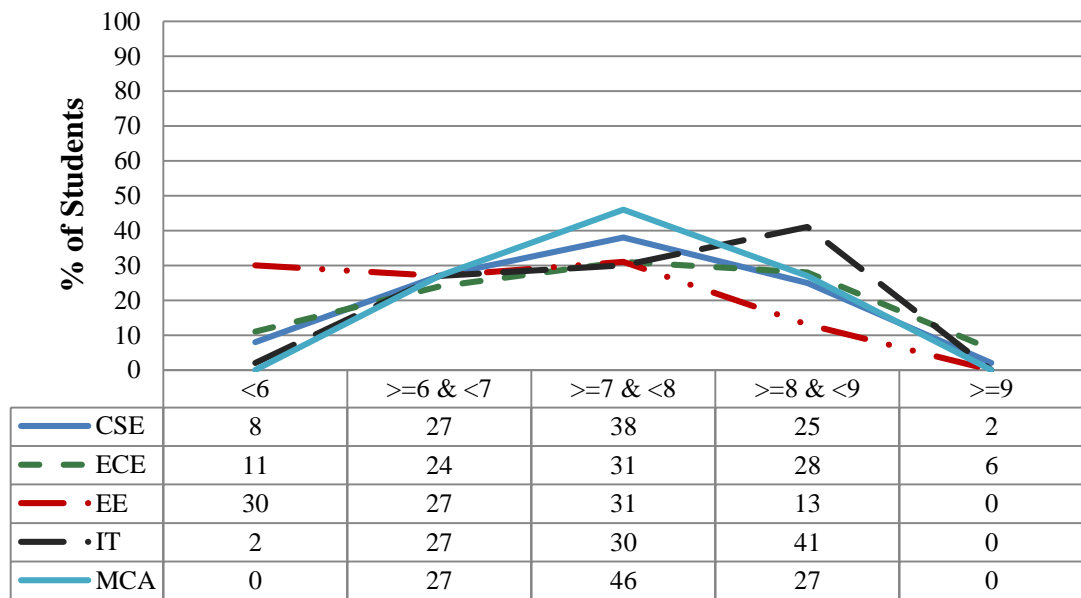


	<6	>=6 and <7	>=7 and <8	>=8 and <9	>=9
--- CSE	0	8	44	46	2
-.- IT	0	6	52	43	0
-.- ECE	1	18	45	36	1
--- EE	8	36	50	5	0

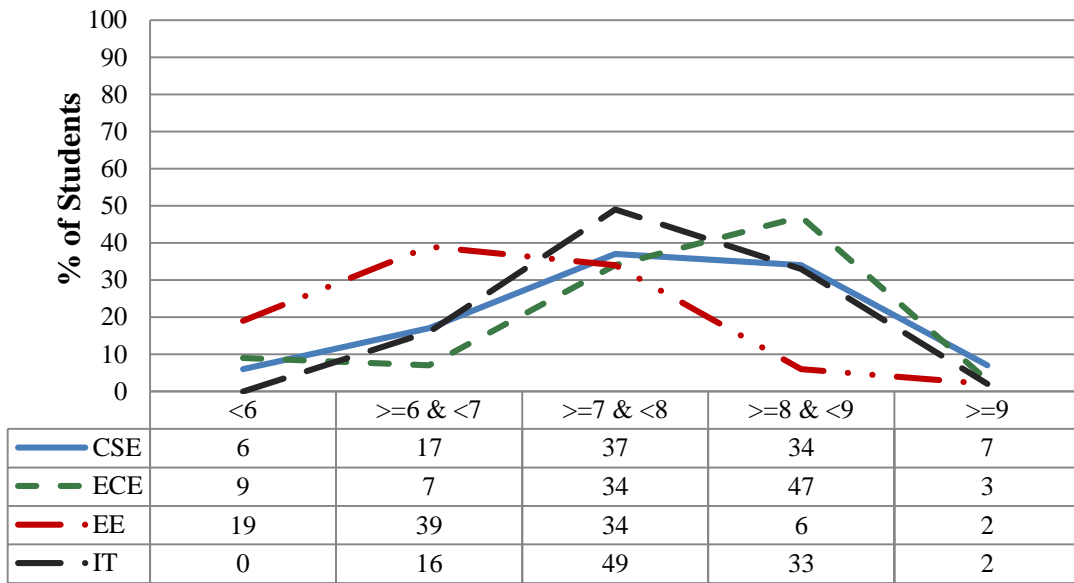
Result Analysis in Percentage 1st year 2nd Sem on YGPA



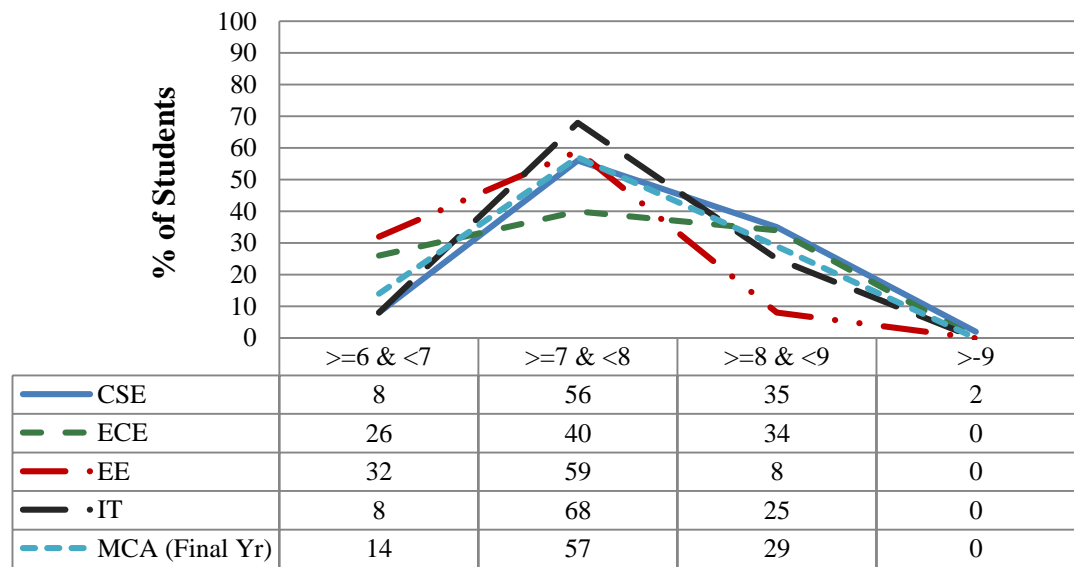
Result Analysis in Percentage 2nd year 2nd Sem on YGPA



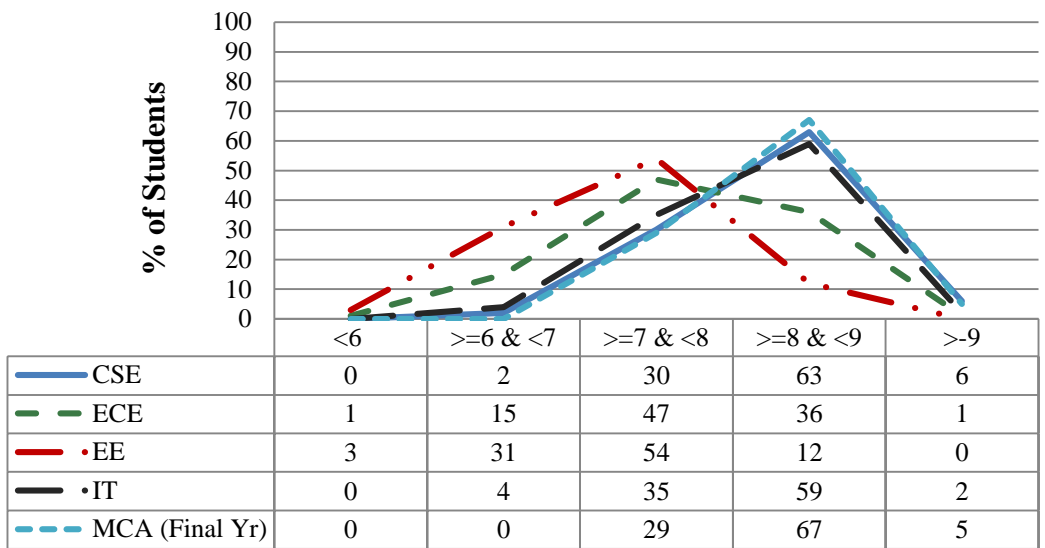
Result Analysis in Percentage 3rd year 2nd Sem on YGPA



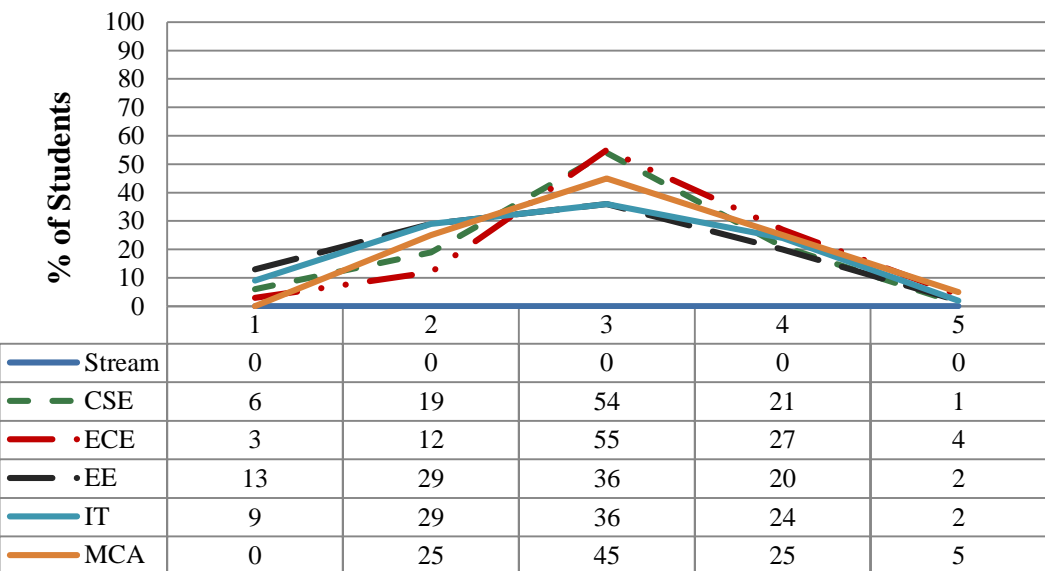
Result Analysis in Percentage Final year 2nd Sem on DGPA



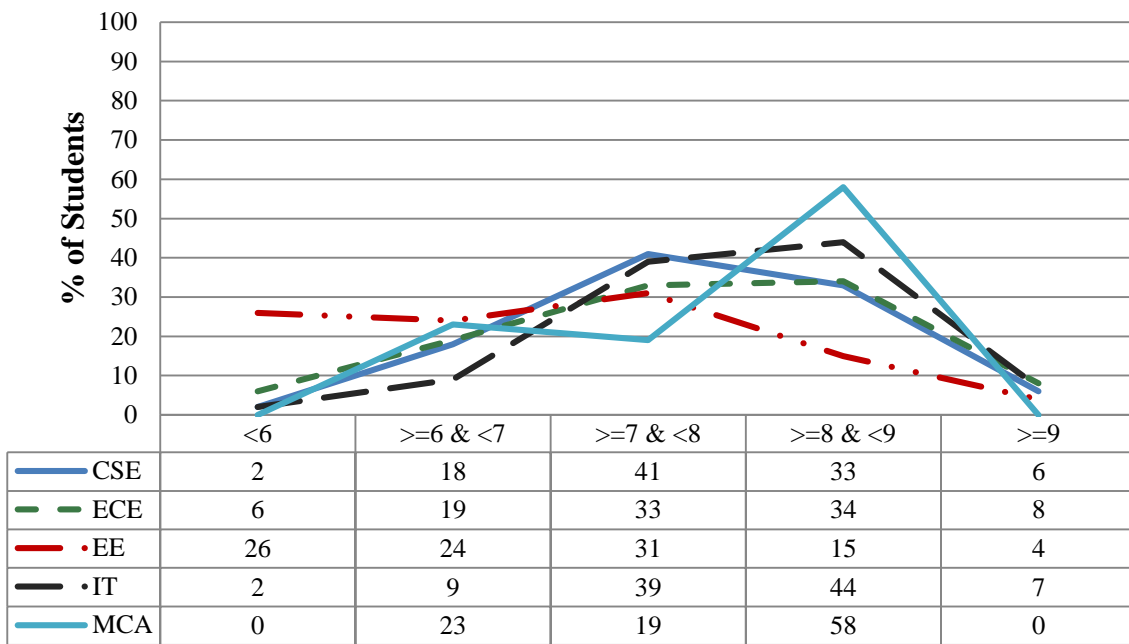
Result Analysis in Percentage Final year 2nd Sem on YGPA



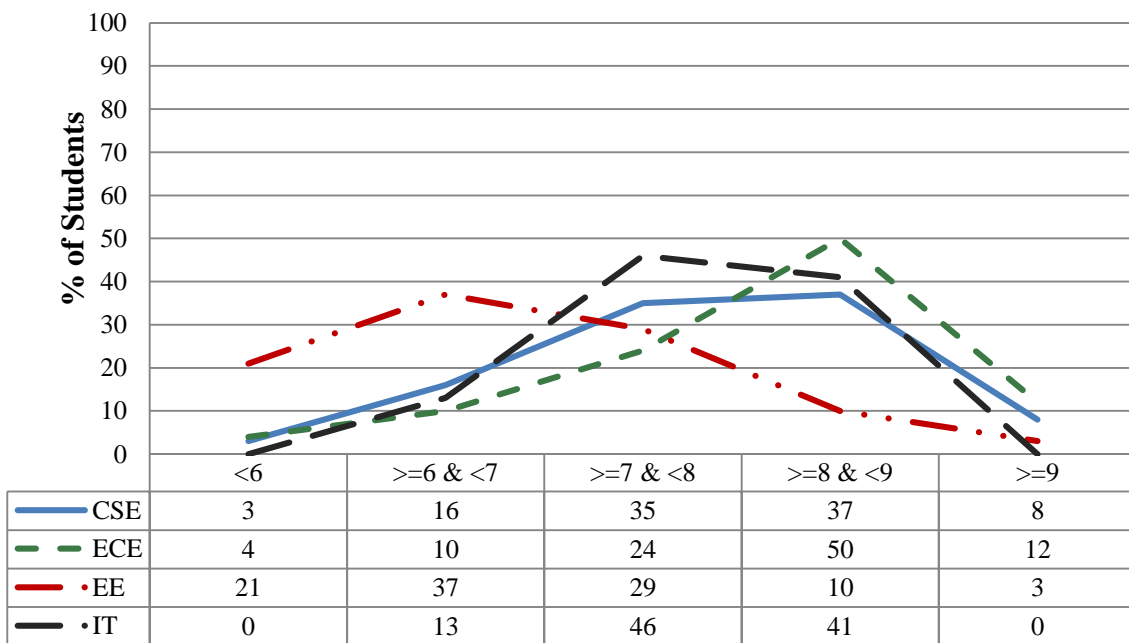
Result Analysis in Percentage 1st year 2nd Sem on SGPA



Result Analysis in Percentage 2nd year 2nd Sem on SGPA



Result Analysis in Percentage 3rd year 2nd Sem on SGPA



ANNEXURE 9.3

Achievements report for the AY 2018-19:

Publication

Number of recent publications is given below:

International Journal: 10

International conference: 5

National Conference: 2 + 9 (in press)

Student publication: 2

- Certificates awarded to Mr. Suprabhat Maity, Dr. Bikramaditya Mondal, Mr. Suvadeep Bhattacharjee and Mr. Sibasis Senapati by e-Yantra, IIT Bombay, for successful completion of Task Based Training.
- Ms. Susmita Dey, AP, EE, achieved Engineer award by Texas Instruments for bridging Industry, Government and Academia through mentoring of innovative student's project.
- Mr. Aritra Ghosh, AP, EE, was nominated as a member of Young Professional Society (YPS), IET Kolkata Network.

Students' Achievement

- The team *Delta* consisting of CSE and ECE 4th year students was declared as winner at *Bengalathon* - a technology based competition organised by Dept. of IT & Electronics, Govt. of WB on 8th February, 2019 at Biswa Bangla Convention Centre.
- The team *Dexterous_Squad* from BPPIMT won 1st Prize in *Smart India Hackathon 2019*. A team of four final year students from CSE and ECE developed an Android App for Smart Lightning Predictor and Alert system.

The students of both winning team were felicitated along with their parents at Najrul Manch.

- Two teams of CSE department with themes Hungry Bird and Thirsty Crow (embedded robotic system themes) were selected and provided with kits by for the final round of E-Yantra Robotics Competition (eYRC - 2018) organized by IIT Bombay.
- One team of CSE students with project "Smart Wheelchair" was selected by IIT Bombay for final round of e-Yantra Ideas Competition (eYIC).
- Our student team consisting of Madhura Das, Kundan Kumar, Akash Sharma and Sanah Asgar of CSE was selected as the finalist of All India Research Championship 2019 at Bombay on 17th March, 2019 organized by Techie Nest.
- Koyel Naskar, student of ECE department was the winner of Model Competition organized by MAKAUT on National Science Day on 28th February, 2019.
- SwagataMullick, student of ECE became the winner of Drama competition "**Stage Play**" organized by National Medical College.
- Debolina Sett, student of ECE was the winner of **Picture Caption contest** organized by mywbut.

- Adrija Brahmachari and Noor Aalas Saba of EE department stood first in debate Competition in ENERGIA 2019 at IISWBM, Kolkata.

Success in MOOCs

Students and faculty members performed well in NPTEL examination conducted by IIT, KGP for January-April 2019 session. Total 12 members got Gold certificate, 58 members got Silver certificates and 15 members got topper certificates. 3 Faculty members Dr. Esa Bose, Dr. Papri Saha of Applied Science & Hu and Mr. Prasenjit Kumar Mudi of ECE department got top performer award.

ANNEXURE 9.4

LIST OF PUBLICATIONS: JULY - 2018 - JUNE-2019

BOOK/ BOOK CHAPTER

- 1) **Ivy Majumdar, B. N. Chatterji**, Avijit Kar, Electronics and Communication Engineering, *Particle swarm optimization method for Texture Image Retrieval*, Computational Intelligence in Sensor Networks, Springer, vol. 776, Ch 17, pp. 405-426, ISSN No. 1860-949X, June 2019.
- 2) **Surajit Mandal**, Electronics and Communication Engineering, *Applications of birefringent lens as an optical image processing device*, IGI Global, pp. 194-215, Doi: 10.4018/978-1-5225-8531-2.ch009, June 2019.
- 3) **Mousam Chatterjee**, Subhra Shankha Bhattacharjee and Chanchal Kumar De, Electronics and Communication Engineering, *Proactive and Reactive DF Relaying for Energy Harvesting Underlay CR network*, Proactive and Reactive DF Relaying for Energy Harvesting Underlay CR network, Communication, Devices, and Computing, 1st, Springer, ISBN No. 978-981-10-8585-7, pp. 13-23, July- 2018

JOURNAL (INTERNATIONAL)

- 1) **Susmita Dey**, Asmita Ray, Narayan Chandra Maiti, Provas Banerjee, Jyotirmoy Chatterjee, Santi Prasad Maity, Amit Roychowdhury, Ananya Barui, Electrical Engineering, *Precise Segmentation and Classification of Epithelial Rete-Pegs Signature in Assessing Lower Limb Wound Healing Progression*, Journal of Medical and Biological Engineering, Print ISSN: 1609-0985, Online ISSN: 2199-4757, Vol. 38, No. 4, pp. 1-12, Impact Factor 1.211, 26th- July 2018.
- 2) Aritri Ghosh, Sreyan Raha, **Susmita Dey**, Kabita Chatterjee, Amit Roy Chowdhury, Ananya Barui, Electrical Engineering, *Chemometric analysis of integrated FTIR and Raman spectra obtained by non-invasive exfoliative cytology for screening of oral cancer*, DOI: 10.1039/C8AN02092B, 6 Nov, 2018.
- 3) **Gitosree Khan, Sabnam Sengupta**, Anirban Sarkar, *HBSD: A Hadoop Based Service Discovery Model for Enterprise Cloud Bus*, International Journal of Information Technology and Web Engineering (IJITWE), IGI Global, ISSN: 1554-1045], Volume 14, Issue 3 9781522564508, July 2018
- 4) Bratati Mukhopadhyay, Gopa Sen, Souradeep De, Rikmantra Basu, **Vedatrayee Chakraborty**, Prasanta K. Basu, *Calculated Characteristics of a Transistor Laser Using Alloys of Gr-IV Elements*, Transistor Lasers, Phys. Status Solidi B, 1800117, DOI:10.1002/pssb.201800117, page no. 1-6, July 2018
- 5) **Debarati Dey**, Debashis De, *Electrically Doped Adenine based Optical Bio Molecular p-i-n Switch with Single Walled Carbon Nanotube Electrodes*, Journal of Active and Passive Electronic Devices (ESCI), Vol. 13, Issue 2-3, Print ISSN: 1555-0281, pp. 107-118, July 2018.

- 6) **Debarati Dey**, Pradipta Roy, Debashis De, Electronics and Communication Engineering, *Electronic Enhancement Effect of Doped Ferro-magnetic Material in Bio-molecular Hetero-junction Switch*, IET Circuits, Devices & Systems, Print ISSN: 1751-858X , Electronic ISSN: 1751-8598, Vol. 13, No. 1, pp.1-12, Impact Factor 1.3, July 2018
- 7) **Joyanto Roychoudhary, Neeraj Kumar, Pushpendu Kanjilal**, Electronics and Communication Engineering, *Linear Antenna Array Adaptive Beamforming for Space-Time Signal Processing Using Hybrid Genetic Algorithms Applied to Fading Channels*, International Journal of Current Advanced Research, ISSN: O: 2319-6475, ISSN: P: 2319-6505, Vol. 7, No. 7(H), pp. 14358-14363, Impact Factor 6.614, July 2018
- 8) **Joyanto Roychoudhary, Pushpendu Kanjilal**, Electronics and Communication Engineering, *Phased Array Antenna Adaptive Beamforming for Space-Time Signal Processing Using Hybrid Genetic Algorithms with Mutation Operator Applied to Rayleigh Fading Channels*, International Journal of Electronics and Communication Engineering and Technology (IJECET), ISSN Print: 0976-6464 and ISSN Online: 0976-6472 © IAEME Publication, Volume 9, Issue 3, pp. 36-46, Impact Factor 8.3 till 2016, Aug 2018
- 9) **Vedatrayee Chakraborty**, Swagata Dey, Bratati Mukhopadhyay, Gopa Sen, Electronics and Communication Engineering, *Modeling of tunneling current density of GeC based double barrier multiple quantum well resonant tunneling diode*, Journal of Semiconductors, Vol. 39, No. 8, pp. 1-5, Oct 2018.
- 10) **Papri Saha**, Engineering Physics, *On Some Properties of Memristive Lorenz Equation–Theory and Experiment*, Journal of Applied Nonlinear Dynamics, ISSN No: 2164-6457, Vol. 4, No. 7, pp. 413-423, Impact Factor: 0.37, December 2018.
- 11) Soovoojeet Jana, Samadyuti Haldar, **Debabrata Das**, Swapan Kumar Das and T. K. Kar, Basic Science & Humanities, *Modeling and Analysis of an Ecological System Incorporating Infection and Prey Refuge*, Biophysical Reviews and Letters, Vol. 13, No. 4, pp. 195-216, Impact Factor – 0.5, December 2018.
- 12) Abhik Mukherjee, Suwendu Chattaraj, **Sudipta Chakraborty**, Electrical Engineering, *Tuning of Evolutionary Particle Filtering Approach for Estimation of Trajectory Derivation*, Asian Journal of Control, Special issue, ISSN No.: 1561-8625 (print), 1934-6093 (online), Doi: 10.1002/asjc.2013, pp. 1-10, 17th January 2019.
- 13) A Patra, D Chakraborty, **Arijit Saha**, K Bhattacharya, Electronics and Communication Engineering, *Encryption of Optically Compressed Satellite Image using Random phase*, International Journal of Innovative Knowledge Concepts, Vol. 7 (spl. issue 1), pp. 192-194, ISSN: 2454-2415, Feb 2019.
- 14) N Mukhopadhyay, **Arijit Saha**, K Bhattacharaya, Electronics and Communication Engineering, *Design of a broadband achromatic quarter-wave phase retarder for near infrared spectrum using Flower Pollination Algorithm*, International Journal of Innovative Knowledge Concepts, Vol. 7 (spl. issue 1), pp. 239-242, ISSN: 2454-2415, Feb 2019.
- 15) **Debarati Dey**, Pradipta Roy, and Debashis De, *Electronic Transport Properties of Electrically doped Cytosine based Optical Molecular Switch with Single Wall Carbon*

Nano Tube Electrodes, IET Nanobiotechnology (SCI), Vol. 13, Issue 5, pp. 484-492, Print ISSN: 1751-8741. <https://doi.org/10.1049/iet-nbt.2018.5375>, February 2019.

- 16) **Arijit Saha**, Kritarth Kumar, Ria Jesmin, Satya and Vaibhav Gupta, Electronics and Communication Engineering, *Intelligent Greenhouse Monitoring System (IGMS) Integrated with GSM Technology*, Asian Journal of Electrical Sciences, Vol. 8, No. 1, pp. 40-43, Jan-March 2019
- 17) **Debjeni Chakraborty**, Basic Science & Humanities, *English as a world language and its importance*, *International Journal of English Learning And Teaching Skills*, ISSN 2638-5546 (online), ISSN 2639-7412 (print), March 2019.
- 18) **Abhijit Gupta**, Basic Science & Humanities, *Electric Cars-Disruptive Innovation in the Indian Auto Industry*, International Journal of Trend in Scientific Research and Development, ISSN No. 2456-6470, Vol. 3, No. 4, pp. 1648-1650, Impact Factor. 4.101, June 2019
- 19) Ripan Nag, Bidyut Sarkar, Sudipta Pal and **Esa Bose**, Engineering Physics, *Magnetic properties and critical behavior of electron doped polycrystalline Ca_{0.85}Sm_{0.15}MnO₃ manganite*, Physica Scripta, ISSN No. 1402-4896, Vol. 9, No. 94, pp. 095801, Impact Factor. 2.151, June 2019
- 20) A Patra, D Chakraborty, **Arijit Saha**, K Bhattacharya, Electronics and Communication Engineering, *Compression of Satellite Images using Sinusoidal Amplitude Grating*, International Journal of Electronics Engineering, ISSN No. 0973-7383, Vol. 1, No. 11, pp. 664-667, Impact Factor. 5.1, June 2019.
- 21) **Susmita Biswas**, Chandan K. Ghosh, Santomoy Mandal, Goffar A. Sarkar, Soumen Banerjee, Durbadal Mandal, *Suppression of Higher Order Modes of a Two Element Microstrip Array Using Open-Ended Stubs*, Progress In Electromagnetics Research Letters, Vol. 82, 121-128, 2019
- 22) **Sudipta Chakraborty**, Suvendhu Chattaraj, Abhik Mukherjee, Electrical Engineering, Performance evaluation of particle filter resampling techniques for improved estimation of misalignment and trajectory deviation, Multidimensional Systems and Signal Processing(Springer),2017 , ISSN No. 0923-6082 , Vol. Issue 3, No. vol. 29, pp. pp 821-838, Impact Factor. 1.365 , July- 2018

CONFERENCE (INTERNATIONAL)

- 1) **Debjeni Chakraborty**, *Digital Humanities*, International Conference on English Learning & Teaching Skills ICELTS, Kolkata, 26-28 July 2018
- 2) **Joyanto Roychoudhary, Arindrajit Chaudhury, Pushpendu Kanjilal**, Electronics and Communication Engineering, *Smart Antenna Array Adaptive Beamforming for Space-Time Signal Processing Using Hybrid Ga-Pso Cullled Mutation Operator Using A Novel Adaptive Equalizer Applied to Fading Channels*, Institute of Electrical and Electronics Engineers, International Conference on Innovations in Engineering, Technology & Sciences (IEEE)-ICIETS, ISSN-2349-5162, 20-21 Sept 2018
- 3) **Subhashis Mullick** , Dipankar Majumdar, **Ananya Kanjilal**, Swapan Bhattacharya, Computer Science and Engineering, *Analysis of Bipartite Network for new Product Recommendation*, In proceedings of Tencon 2018, Jeju, Korea, Oct 28-31, 2018

- 4) Shouvik Dey, Rumpa Hazra, **Ananya Kanjilal**, Swapan Bhattacharya, Computer Science and Engineering, *Modeling and Analysis of Deadlock Driven Dynamic Priority Scheduling*, In proceedings of Tencon 2018, Jeju, Korea, Oct 28-31, 2018.
- 5) **Surajit Mandal**, Electronics and Communication Engineering, *A approach towards invariant shape descriptor tools for shape classification through morphological analysis of image*, 2nd Intl conference on Computational Advancement in Communication Circuit & System (ICCACCS-2018), Kolkata, Nov 2018.
- 6) **Anushree Roy**, Electrical Engineering, *Smart Load for Reactive Power Compensation and Harmonic Suppression in Distribution System*, Conference on Applied Signal Processing ASPCON 2018, Jadavpur University, December 2018(**Section National in the Website**)
- 7) **A. Dutta**, R. Majumder, D. Dhal, R. K. Pal, Computer Science and Engineering, *Structural and Behavioural Facets of Digital Microfluidic Biochips with Hexagonal-Electrode-based Array*, 32th International Conference on VLSI Design and 18th International Conference on Embedded Systems (VLSID 2019), New Delhi, India, ISBN No. 2380-6923, pp. 239-244, Jan 2019
- 8) **Madhumita Sarkar**, Analysis of Thermal Notice in Analog Communication System using Machine Learning, International Conference on Electrical, Communication, Electronics, Instrumentation and Computing (ICECEIC) -2019 30-31 Jan 2019.
- 9) **Gitosree Khan**, Anirban Sarkar, **Sabnam Sengupta**, *Behavioral Analysis of Service Composition Patterns in ECBS using Petri-Net based Approach*, Advanced Computing and Systems for Security (ACSS 2019), Advances in Intelligent Systems and Computing, Springer, ISBN No: 978-981-13-8962-7, pp. 53-66, March 12-13, 2019.
- 10) **A. Dutta**, R. Majumder, D. Dhal, R. K. Pal, Computer Science and Engineering, *Structural Modelling, Design Automation, and a Generalized Routing Technique for Digital Microfluidic Biochip with Hexagonal Electrodes*, IEEE Region 10 Symposium, TENSYP 2019, Kolkata, India, ISBN No. 978-1-7281-0296-2, pp. 786-791, June 2019
- 11) **Subhadip Chandra**, Information Technology, Multi-Party Energy Management of Microgrid with Heat and Electricity Coupled Demand Response, PEDES 2018, IIT Madras, December- 2018.

CONFERENCE (NATIONAL)

- 1) Mintu Debnath, Ripan Nag, Bidyut Sarkar, Sudipta Pal, **Esa Bose**, “Effects of Vanadium doping at Mn site of charge ordered $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ ”, National Conference On Condensed Matter Physics, CMDAYS 2018, Burdwan, Aug 29-31, 2018.
- 2) **Sutapa Mukherjee**, Electrical Engineering, *Comparative study on simulation of daylighting under CIE standard skies for different seasons*, Conference on Control, Signal Processing And Energy System (CSPES 2018), B.P. Poddar Institute of Management & Technology, 16-18 Nov 2018.
- 3) **Surajit Mandal**, Electronics and Communication Engineering, *Object Detection in clustered scene using Point Feature Matching for Non-repeating Texture Pattern*, Conference on Control, Signal Processing and Energy System (CSPES 2018), B.P. Poddar Institute of Management & Technology, 16-18 Nov 2018.
- 4) D. Choudhury, **R. Goswami**, Engineering Physics, Octupole correlations in ^{106}Cd , DAE symposium on Nuclear Physics, BARC Mumbai, Vol. 63, 10-14 Dec 2018.
- 5) **Madhumita Kundu (Mondal)**, Electrical Engineering, *High Impedance Fault Classification in UPFC Compensated Double Circuit transmission Lines using Differential Power Protection Scheme*, Applied Signal Processing Conference, ASPCON 2018, Jadavpur University, Kolkata, Dec 2018.
- 6) **Anushree Roy**, Electrical Engineering, *Smart Load for Reactive Power Compensation and Harmonic Suppression in Distribution System*, Applied Signal Processing Conference, ASPCON 2018, Jadavpur University, Kolkata, Dec 2018.
- 7) **Kakali Karmakar Sur**, Basic Science & Humanities, *Optimization of differential entropy to estimate uncertainty in a multivariate normally distributed ecological model*, 51th Annual Convention of ORSI, IIT Bombay, 16-19 Dec, 2018.
- 8) **Ranjana Goswami**, Basic Science & Humanities, *Identification of new Partner Bands based on $\pi g_{7/2}$ in ^{117}Sb* , DAE Symposium on Nuclear Physics, BARC Mumbai, 10-14 Dec, 2018.
- 9) **Arijit Saha**, Electronics and Communication Engineering, *A Technique For Generation Of Renewable Electrical Energy From Noise*, National Conference on Information, Photonics And Communication 2019 (Ipc'19), Kolkata, February 2019.
- 10) **Ramesh Kumar, Surajit Mandal**, Electronics and Communication Engineering, *Memristor Based Circuit Design Approaches and Future Challenges*, 2nd National Conference on Information, Photonics & Communication (IPC'19), Kolkata, February-2019
- 11) **Prasenjit Kumar Mudi**, Electronics and Communication Engineering, *Impact of Curvature on Intensity Based Non-Rigid Medical Image Registration*, Information, Photonics & Communication (IPC 19), BPPIMT, Kolkata, ISBN No. 2367-3370, February 2019
- 12) **Ivy Majumdar**, Electronics and Communication Engineering, *A moment Based Feature Extraction for Texture Image Retrieval*, National Conference on Information, Photonics and Communication 2019 (IPC'19), Kolkata, Feb 2019.

- 13) **Arijit Saha**, Electronics and Communication Engineering, *A Novel Approach to Compression of Satellite Images using Butterworth Filtering*, National Conference on Information, Photonics and Communication 2019 (IPC'19), Kolkata, Feb 2019
- 14) **Anindita Raychaudhuri, Subhasis Mallick, Ankit Sircar, Shalini Singh**, *Identifying Influential Nodes Based on Network Topology: A Comparative Study*, Information, Photonics and Communication, Kolkata, February 2019.
- 15) **Ranjana Goswami**, *Signal Processing and Nuclear Structure of ^{106}Cd* , National Conference on Information Photonics and Communication, Kolkata, 1-3 Feb, 2019.
- 16) **Debjeni Chakraborty**, *The Process Of Teaching And Learning English In the Digital Era*, National Conference on Science, Technology and Communication Skills, Kolkata, 21 April 2019.
- 17) **Papri Saha**, "Memristive Chaotic Systems in Nonlinear Dynamics – A Review", National Conference on Control, Signal Processing & Energy Systems (CSPEs 2018), Kolkata, 16-18 Nov, 2018.
- 18) **Madhumita Kundu (Mondal)**, Electrical Engineering, *High Impedance Fault Classification in UPFC Compensated Double Circuit Transmission Lines using Differential Power Protection Scheme*, Applied Signal Processing Conference, ASPCON 2018, Jadavpur University, Kolkata, December 2018.



B. P. PODDAR INSTITUTE OF MANAGEMENT & TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR: 2018-19

SUMMARY OF PUBLICATIONS

DEPT	Journals		No. of Conferences	No. of Book Chapters	Total No. of Publications	No. of Faculties
	SCI/Scopus	Other				
ECE	02	-	08	02	12	14
CSE	-	-	05	-	05	04
IT	03	-	02	01	06	03
EE	03	-	03	-	06	05
ASH	03	02	08	-	13	07
TOTAL	11	02	26	03	42	33



B. P. PODDAR INSTITUTE OF MANAGEMENT & TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR: 2018-19

SUMMARY OF EVENTS ORGANIZED

S.No.	Conference/ Seminar/ Workshop Name	Date		Duration
		From	To	
1.	Workshop on Data Science with Python	13.9.2018	15.9.2018	3 days
2.	National Conference on Control Signal Processing Energy Systems, CSPES, 2018	16.11.2018	18.11.2018	3 days
3.	CSI student convention	05.10.18	05.10.18	1 day
4.	VLSI Design & Microelectronics Technology	08.09.2018	08.09.2018	1 day
5.	National Conference on Information, Photonics, & Communication (IPC' 19)	01.02.2019	03.02.2019	3 days
6.	Workshop on IoT and Embedded System Design	20.12.2018	21.12.2018	2 days
7.	RTML	09.10.2018	11.10.2018	3 days
8.	MLDA Workshop	29.01.2019	31.01.2019	3 days
9.	Behavioral Remodeling For Enhancing The Classroom Delivery of Teachers in collaboration with IIT Guwahati	10.07.2018	15.07.2018	6 days
10.	FDP on Cryptography and Cyber Security in collaboration with MAKAUT	25.03.2019	29.03.2019	5 days
11.	Workshop on "Outcome Based Education" in collaboration with NITTTR, Kolkata	24.04.2019	25.04.2019	2 days
12.	Workshop on "Assessment and Evaluation under OBE" in collaboration with NITTTR	10.06.2019	14.06.2019	5 days



B. P. PODDAR INSTITUTE OF MANAGEMENT & TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR: 2018-19

SUMMARY OF PH.D STATUS

DEPT	No. of faculties pursuing Ph.D
ECE	06
CSE	04
IT	01
EE	02
ASH	01
TOTAL	14



ANNEXURE 9.5

B.P. Poddar Institute of Management & Technology
Poddar Bihar, 137, V.I.P. Road, Kolkata – 700 052

TRAINING, PLACEMENT & CAREER GUIDANCE CELL ACADEMIC YEAR: 2018 – 2019

Placement Percentage Dt. 31-01-2020								
A.Y	(A) Total Student	(B) Not Interested/ Absentees	(C) Opting Students (A - B)	Total Placemen t Offers	Higher Studie s	Entrep .	Total Placement	Placement Percentage
2018 – 19	407	31	376	315	1	0	315	83.78
No. of students placed				248	Placed Percentage			65.96

Total Number of offers	:	315
Number of offers department-wise		
CSE	:	126
ECE	:	103
IT	:	049
EE	:	031
MCA	:	006
Number of student with multiple offer	:	063
Number of student with single offer	:	185
Total number of company hired	:	37
Number of company (Type-wise)		
IT	:	26
ITeS	:	01
Core	:	04
Others	:	06
Number of company (Tier-wise)		
Tier1	:	26
Tier2	:	06
Tier3	:	05
Number of offers in different CTC range		
08 – 10 LPA	:	006
06 – 08 LPA	:	001
04 – 06 LPA	:	023
03 – 04 LPA	:	232
Below 03 LPA	:	052
Maximum CTC (LPA)	:	10.00
Average CTC (LPA)	:	4.06

ANNEXURE 9.6



B. P. PODDAR INSTITUTE OF MANAGEMENT & TECHNOLOGY (Approved by AICTE, New Delhi & Affiliated to MAKAUT, West Bengal)

Annual Quality Assurance Report

Academic Year: 2018-19

Section1: Institute Profile

1. Name of the Institute : B. P. Poddar Institute of Management & Technology
2. Address of the Institute: 137, VIP Road, Kolkata 700052
3. Website of the Institute: www.bppimt.ac.in
4. Name of the Head of the Institution: Prof. Dr. Sutapa Mukherjee
5. Name of the IQAC Coordinator: Dr. Arijit Saha
6. No. of Programs Running: Five
7. Name of the Programs Running:
 - i. B.Tech in Computer Science & Engineering ;
 - ii. B.Tech in Electronics & Communication Engineering;
 - iii. B.Tech in Electrical Engineering;
 - iv. B.Tech in Information Technology;
 - v. Master in Computer Applications

Section2: IQAC Activities

8. Whether the Academic Audit Report was placed in statutory body: Yes/No
9. Plan of Action by IQAC:

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year

Plan of Action	Outcome
Departmental documentation	Done
Academic Progression	Continued evaluation
Adherence to academic calendar	Done

Section3: Faculty Profile

10. No. of faculty :
 - a. Regular: 88

- b. Contractual: 4
- c. Visiting/Adjunct/Emeritus: 2 (Visiting) 2 (Adjunct)
11. No. of:
- a. Professors: 4
- b. Associate Professors: 12
- c. Assistant Professors: 75
12. Publications:
- a. Books: 2 + 2 (Book chapter)
- b. International Journal: 17
- c. National Journal: 5
- d. International Conferences: 13
- e. National Conference: 10
13. No. of faculty members enrolled/registered for Ph.D.: 1
14. Ph.D. Theses
- a. Submitted: 1
- b. Awarded: Nil
15. No. of faculty members from the Institution who are Ph.D. guides: 5
16. No. of students registered and pursuing Ph.D. under the faculty members of the Institution: 7 (ongoing)
17. No. of FDP/Conferences/Seminars/Workshops organized: 15
18. No. of FDP/Conferences/Seminars/Workshops attended: 45
19. No. of sponsored projects ongoing: 4
20. No. of sponsored projects completed: 2
21. No. of faculty acted as resource persons: 5
22. No. of E - learning materials / Content prepared: 60
23. No. of Faculty using ICT and PPTs: 84

Section 4: Infrastructure in the Institute

24. No. of class rooms: 31
25. No. of laboratories: 41
26. No. of computers – for teachers: 89

27. No. of computers – for students: 362

28. Internet available: Yes/~~No~~

If yes provide details (Internet provider, Speed etc.)

Internet Leased Line provided by Sify technologies. 50 Mbps (1:1) leased line connectivity through optical fiber. Wi-Fi connectivity is available in the entire campus through Wi-Fi controller and wireless access point (AP). The network is secured using software Next Generation Firewall (NGFW), Unified Threat Management (UTM) System and Radius Server for all wired and wire-less connection.

29. No. of instruments/software for research: 3

30. Central Library:

a. Text Books: 43500 + 3446 (eBooks)

b. Journals: 78

c. E-Journals: JGate, IEEE

31. Departmental Library:

a. No. of Printed Books Added: 176

b. No. of Web-resources CDs Added: 18

c. No. of e-Books added: 123

32. New Equipment and Infrastructure Added: Yes/~~No~~

If yes please specify:

S&H dept. A spectrophotometer in Chemistry division for spectrum analysis of samples

EE dept. Caging of electrical rotating machines in Machine Lab, Four hardware setups in Control Lab, 10 user MATLAB for simulation Lab

IT dept. 7 Mac Machines

CSE dept. Embedded Systems and Robotics Lab and High end machines for Project Lab

ECE dept. 30 Desktop Computer (Intel Core i5-8500 3 GHz CPU, 1 TB 7200 RPM SATA 6G 3.5 HDD, 8 GB DDR4 RAM) , 3 DSO (70MHz Dual Channel), 10 user (on shared basis with EE) MATLAB 9.5, Embedded System and IoT Laboratory

Section 5: Student Profile

33. No. of Students admitted in :

a. First year (without TFW): 333

b. TFW category: 18

- c. Second year (Lateral entry): _____ 38 _____
34. Total Number of Students:
- a. UG: _____ 1528 _____
- b. PG: _____ 69 _____
35. Total Number of male students: _____ 1128 _____
36. Total Number of female students: _____ 469 _____
37. Students involvement in extra - curricular activities: _____ 95% (approximately) _____
38. Students involvement in Co-curricular activities: _____ 90% (approximately) _____
39. No. of Students achievements: _____ 39 _____
40. No. of Students:
- a. Placed: _____ 237 _____
- b. Opted for higher studies: _____ Nil _____
- c. Opted for Entrepreneurship: _____ Nil _____
41. No. of Students gone for:
- a. Internship: _____ 117 _____
- b. Training: _____ 351 _____
42. Result Analysis:

Program	>=9	>=8 &<9	>=7&<8	>=6&<7	<6
B.Tech in CSE	19	167	208	103	5
B.Tech in ECE	11	135	204	96	23
B.Tech in EE	2	29	112	79	46
B.Tech in IT	4	101	97	55	12
MCA	1	26	23	16	1

43. Details of student counseling and career guidance:
- a. Student Teacher mentor program: Yes/No
- b. Placement Cell: Yes/No

Section 5: Curriculum Transaction

44. Syllabus completed for all courses (in %): _____ 95% (approximately) _____
45. Lab classes held according to timetable (in %): _____ 95% (approximately) _____
46. Whether there is any revision/update of regulation or syllabi: Yes/No

47. Total No. of actual teaching days during this academic year: 149

48. Teaching methods & teaching aids used:

TA: Chalk, Marker, Green Glass Board, White Board, LCD projector, LMS, Laptop, cut model of machine, Moodle, You tube

TM: Lecturing, Group Discussion, Quiz, Assignments, Power point presentations, Think-Pair-Share, Flipped classroom, role playing, Role reversal , tutorial, online video lectures, industrial visit, seminar, illustration by examples, Q&A session, problem solving, case study based analysis, real life case study.

49. E - learning modules developed: Yes/~~No~~

If 'Yes' please specify numbers: All faculty members developed

50. Internal assessment done for each faculty on time: Yes/~~No~~

51. No of remedial classes taken: For all theoretical courses

52. Parents meeting done for evaluation of student's progress: Yes/~~No~~

53. Student Feedback taken on Curriculum: Yes/~~No~~

54. Student Feedback taken on Teaching Learning-Evaluation Processes: Yes/~~No~~

55. Steps taken on the feedback

Communication with faculty members and technical staff

Invited lecture session to address the gap

Faculty members are nominated for FDP, asked to plan the lectures, undertake NPTEL classes to enhance the teaching-learning process, FDP and workshops are organized to build a comprehensive teaching environment

Section 6: Activities of the Institute

56. No. of MoUs signed: 3

57. No. of Consultancy: Nil

58. No. of Collaborations: 10

59. No. of Guest lectures organized: 31

60. No. of Conference / Seminar / Workshop conducted: 20

61. No. of Extension Activity: 1

Please specify:

Students outreach programme organized by SPIE student chapter

62. No. of interaction with Industry / Research Centers / Educational Institutions: 30

63. Does the Institute publish Newsletters (specify with frequency): Yes, quarterly

64. Does the Institute publish Magazine (specify with frequency): Annual

65. Placement percentage: 63.03

66. Strengths :

- i. Qualified and experienced faculty and technical staff
- ii. Good retention ratio of both faculty and technical staff
- iii. All programs accredited by NBA

67. Weaknesses :

- i. Lack of Post graduate programs
- ii. Lack of NAAC
- iii. Limitation of R&D infrastructure