



INDIAN INSTITUTE OF INFORMATION TECHNOLOGY ALLAHABAD



INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, ALLAHABAD

ANNUAL REPORT

for the Year 2017-18



Annual Report 2017-18



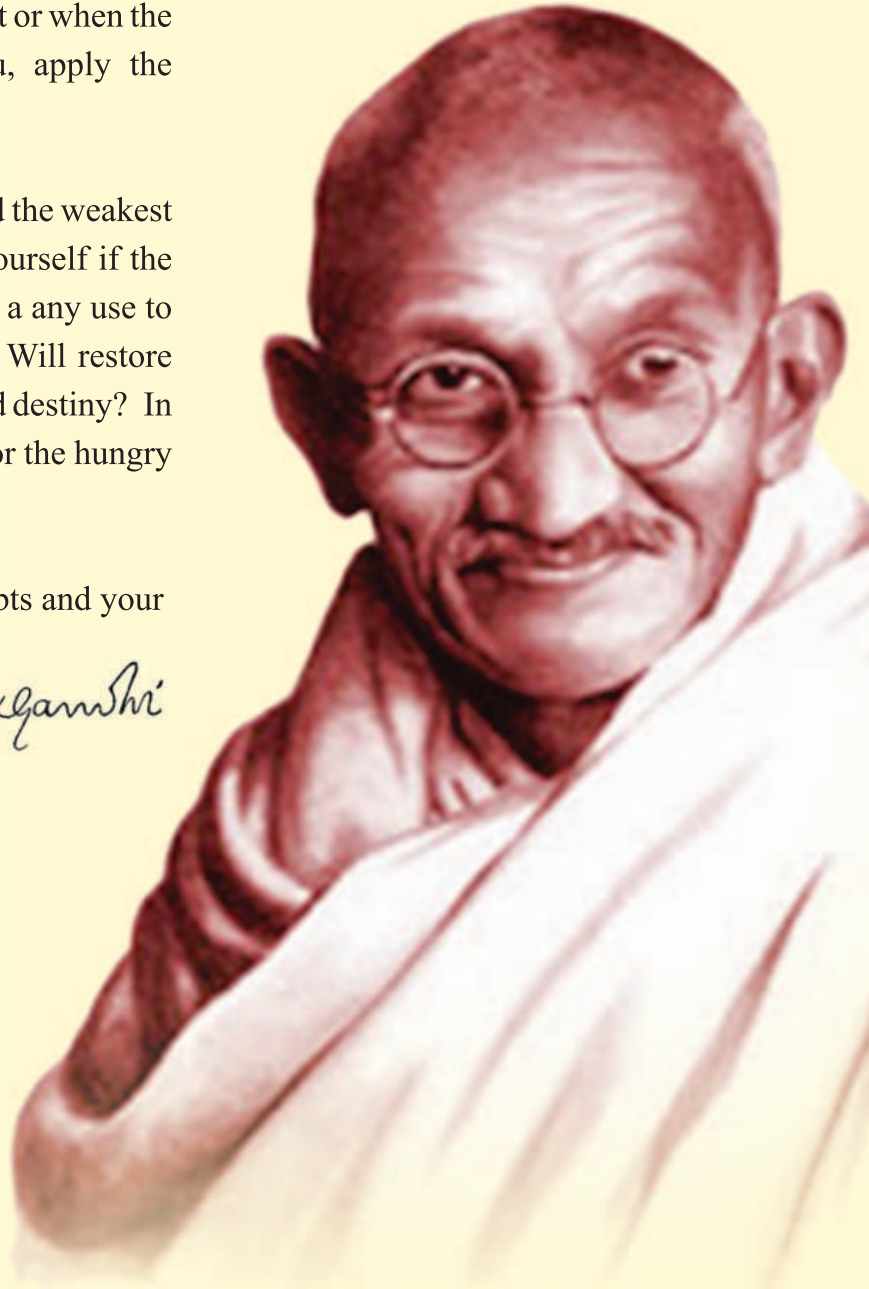
Gandhi Ji's Talisman to the Country Men

“Whenever you are in a doubt or when the self becomes too much with you, apply the following test:

Recall the face of poorest and the weakest man you may have seen and ask yourself if the step you contemplate is going to be a any use to him. Will he gain anything by it? Will restore him to a control over his own life and destiny? In other words, will it lead to swaraj for the hungry and spiritually starving millions?

Then you will find your doubts and your self melting away”.

mk Gandhi





Patron : **Prof. P. NAGABHUSHAN**
Director, IIIT-Allahabad

Advisory Board : **Prof. U.S. Tiwary**
Prof. Shekhar Verma
Prof. T. Lahiri

Editor : **Dr. Pavan Kumar Saini**
Joint Editor : **Mr. O. P. Srivastava**
Assistant Editor : **Mr. K.S. Aeron**

Copy Rights: Indian Institute of Information Technology Allahabad

All rights reserved by the Institute and no part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, without the prior permission in writing of IIIT Allahabad.



The background of the image is a photograph of a large, multi-story yellow building with a modern architectural style. To the left, a portion of a green dome is visible. A solid red horizontal banner runs across the middle of the image, serving as a background for the text.

IIIT

ALLAHABAD



Annual Report 2017-18

Contents

1. Introduction	01 - 09
1.1 The Chairman's Profile	
1.2 The Director's Profile	
1.3 The Director's Report	
1.4 The Charter & Mission	
1.5 The Governance	
2. The Administration	11 - 13
2.1 Academic Departments	
2.2 Deans/Faculty Coordinators	
2.3 Wardens/Student Counselor	
2.4 Proctorial Board	
2.5 Special Functionaries	
2.6 Officers	
3. The Academics	15 - 16
3.1 Academic Programmes and Intake of the year	
4. The Faculty Update	17 - 97
4.1 Faculty Profile	
5. Brief Summary of the Dept. Activities during the Year 2016-17	99 - 109
5.1 Dept. of IT	
5.2 Dept. of ECE	
5.3 Dept. of Management Studies	
5.4 Dept. of Applied Science	
6. Research and Projects	111 - 114
6.1 Projects of the Institute	

CONTENTS





Annual Report 2017-18

CONTENTS

7. The Infrastructural Development	115 - 131
7.1 Infrastructural Facilities	
7.2 Labs and Research Facilities	
7.3 Library Facilities	
8. Scholarship Fellowship Assistantships	133 - 138
9. The Statistics	139 - 154
9.1 Financial Statistics for the year 2016-17	
9.2 Placement	
9.3 Medals and Award	
9.4 Event of the Year	
9.5 Examination Result	
10. Preventive and Redressal Measures by the Institute	155 - 158
10.1 Grievance and Redressal Measures	
10.2 Prevention of Harassment of Women at Workplace	
10.3 Prevention of Ragging in the Institute	
10.4 Prohibitions and Bans	
11. Students' Zymkhana	159 - 164
11.1 Presidential Council	
11.2 Activities of Zymkhana	
12. Annexure	165 - 182





Introduction



1 INTRODUCTORY

1.1 THE CHAIRMAN'S PROFILE



Hon'ble Shri Ravi Kant

Chairman, Board of Governors, IIIT Allahabad

Shri Ravi Kant has played a significant role as CEO/Vice Chairman in making TATA MOTORS (TML) an admired and successful Indian Multinational Company. He engineered the creation of the ground breaking, low cost passenger vehicle Nano and the commercial vehicle ACE which revolutionised the market. He is also credited with acquisition of Daewoo trucks of Korea as well as the iconic British Brands Jaguar and Landover.

Shri Ravi played a stellar role in turning round a sick loss making scooter company (LML Vespa), rejuvenating a stagnant consumer electronics business (Philips) and creating a highly valued Indian Fashion accessory Brand (Titan). He has chaired/sat on several Tata Company boards, e.g. Tata Industries, Voltas, Tata Advance Materials Ltd, jaguar Land Rover, Tata Daewoo, Tata Motors Thailand, Tata Cummins etc.

Currently he sits on the boards of Vedanta Ltd. and Kone Ltd., Helsinki and Howkins Cookers Ltd. He is also on US based non-profit organisations Wonder Work, engaged in supporting surgery of blindness, club foot and burns. He was associated earlier with two other US based non-profit international organisations - Smile Train engaged in surgery for cleft palate and Enactus engaged in encouraging college going students to act like entrepreneurs with social goal.

Shri Ravi is the Chairman of Indian Institute of Management, Rohtak and the Chairman of IIIT Allahabad and he is on the Advisory board of business schools at IIT Kharagpur and IIT Mumbai as well as China Europe International Business School (CEIBS) Shanghai, and CGIO of Business School at National University of Singapore. He has chaired Advertising Standards Council of India, Audit Bureau of Circulation and Society of Indian Automobiles Manufacturers and was on board for National Institute of Design, Ahmedabad for several years.

He is honorary D.Sc. from Aston University, Birmingham and is honorary Industrial Professor at the University of Warwick, UK.

Shri Ravi has been conferred with several awards and has spoken at several fora on marketing business and leadership.



1.2 Director's Profile



Prof. P. Nagabhushan
Director, IIT Allahabad

Prof. P. Nagabhushan is the Director of IIT Allahabad and a Professor in Computer Science and Engineering at the University of Mysore, Mysore. He has more than three and a half decades of teaching experience. Prior to joining IIT-A as the Director, he had served several administrative positions such as the Chief Nodal Officer, Choice Based Credit Pattern Continuous Assessment Education System, University of Mysore; Director, Planning, Monitoring and Evaluation Board; Dean, Faculty of Science and Technology; Director, Center for Information Science and Technology at University of Mysore, Mysore, India. He was also distinguished Professor and Chairman at Amrita Vishwavidyapeetam, Amrita University, Coimbatore; Director, Bangalore Educational Society for Technology Advancement and Research and Principal, Bangalore Technological Institute, Bangalore. He is actively associated with various academic, statutory and professional bodies. He is the member of academic councils and Board of studies of several universities. He has been serving as an active member in the Technical Advisory committee at the Indian Statistical Institute, Kolkata, School Board member of the Central University of Hyderabad and Academic council member of Islamic University of Science and Technology, Awantipora, Jammu & Kashmir. He is also a visiting Professor and acting as subject expert in many Universities and Institutes. There are various high profile committees of AICTE, UGC, DST, PSC, NBA, ISRO, DRDO, RECs (now NITs) where Prof. Nagabhushan was an active member. Prof. Nagabhushan has worked as an Investigator in several major funded projects.

He has also rendered his services in a number of foreign Institutions such as invited Professor at University of Dauphine, Paris, France; Visiting Professor, Tokyo Denki University, Japan; Exchange Professor, Saginaw Valley State University, USA; Visiting Scientist, INRIA, Rocquencourt, France; Invited Expert, Michigan State University, USA; Invited Expert for assessing programs of Computer Science and Technology, University of Medical Sciences and Technology, Sudan; Team member of Bilateral Indo-Russia Workshop, University of Moscow, Russia. He is a Fellow of the Institution of Electronics and Telecommunication Engineering and a Fellow of the Institution of Engineers. He was offered the prestigious Visiting Professorship award of ISTE. He is also awarded ICCR 2008 Outstanding Academician and Researcher- Award in appreciation of life time contribution to the field of Computer Science and Engineering; ICICOT 07 Outstanding Academician Award; IEEE– ICSIP–2006 Award in appreciation of life time contribution to the field of Signal and Image Processing. Recently he has been awarded Lifetime Achievement Award RTIP2R-2016 for Outstanding Achievement, Global Leadership and Dedicated Service to the field of Image Processing and Pattern Recognition.

On academic front, he has successfully guided 28 PhDs, and has authored more than 500 research papers out of which more than 100 papers are DBLP indexed. The citation index of 1863 with H-index of 21 and i10 index of 53 reflects his academic accomplishments.



1.3 DIRECTOR'S REPORT 2017-18

Good afternoon to all of you,

Hearty greetings to, Respected Padma Vibhushan Dr. R Chidambaram, our Chairman Shri Ravi Kant, Padma Bhushan Prof. Lord Sushanta Kumar Bhattacharyya, Honourable members of the Board of Governors and Senate, our dear Colleagues-faculty and staff, Parents of young graduands and the proud graduands, Brothers and Sisters.

We convey our hearty thanks to Dr. R. Chidambaram and Prof. Bhattacharyya for their greatness to have accepted our invite. We also are indebted to our Chairman, Shri Ravi Kant. Hearty wishes to all of you on this 13th Convocation festival of the Institute.

In the count of graduation day, this is the first Teenth ceremony-the thirteenth graduation day. This surely reminds us of our responsibilities and our commitments that should go deeper in presenting to the world the best graduands and equally makes us proud to see the flying out of the matured, bright and befitting graduands. Congratulations to all our young, talented and capable graduands, compliments to the proud parents and hearty wishes to the great teachers who have brought them out and thanks to staff who have nurtured their growth.

This is the lovely Monsoon period, where one could delightfully watch the young birds flying out of their nests; and the parent birds with their necks stretched, and heads high keep watching their prodigies flying high into the sky. For us, it is the moment of pride to stretch our neck to see the float of our young graduates in the sky, and for our young graduates it is the great time to be delighted with the pride of their strength in their tender wings which are elevating them to greater heights. It is very appropriate to remember Dr. Abdul Kalam who described such wings as wings of fire. I love to add that you have wings of enthusiasm, you possess the wings of creativity and you are blessed with such wings which shall protect anyone and anything which would seek rescue and shelter under the wings.

At this point, it is my sacred duty to quote what Dr. Abdul Kalam had read-

"Know where you are going.

The great thing in the world is not knowing so much where we stand, but in what direction we are moving"

The direction is created today by you. Experiences till yesterday are inculcated within you. They shape you silently. The bad memories of yesterday should not disturb you. Today's action would pave the direction for tomorrow. The direction defines your horizon. But unnecessary anxiety of tomorrow should not bother you. I am confident that my colleagues have trained you and have built such foundations for you that you are capable of defining and routing your direction without having any anxiety of unborn tomorrow.

You have made us very happy. You are about 330 B.Tech. graduands and about 260 M.Tech. & MBA





graduands taking off today. On this very day highly promising researchers-about 25 in number are also flying off. The World and the Mother India have their arms open to receive you and to embrace you.

Every one of you have blossomed yourselves in different dimensions. You continued to be great Hackathon experts, Coders of Google class, and you flew the Drone so high that you were observed by the entire globe. You laid your hands successfully into cultural heritage and in you we find the promise of taking forward the richness of culture and heritage. You excelled in sports and brought laurels to the institution. Above all before you are departing from here, you have successfully induced in each of your juniors the values and richness of the great heritage of IIIT-A to be carried forward, particularly at this point of time when IIIT-A is stepping into an age of Beyond 20 by 2020. These years of 2018-2020 are the celebrations of Beyond 20 by 2020, for introspection during which your participation as alumni, should happen, because alumni-base is one of the strong support pillar for an institution. Institute is proud because all of you are employed. Some of you can make us more proud by pursuing higher studies and getting into research studies, because you are very capable. It is also necessary that at least some of you should take up higher studies sooner.

Your commitment and involvement in the learning process and the curiosity expressed by each one of you to remain a lifelong learner have motivated us to design newer methods of teaching and imparting knowledge and make you possess the skills, which sprout the ability to transform the Engineering Knowledge into Technological Performance for which you shall be remembered ever and ever. For the benefit of your young brothers and sisters we have designed a more rigorous continuous learning and assessment model both at undergraduate and postgraduate level which ensure stronger persuasiveness to appreciate and to adapt learning as a habit.

Our teachers have ensured that IIIT-A is functioning in true spirit as an Institute of National Importance. All faculty are class researchers and in this Institution researchers teach the courses, in the sense that students are taught to face the life and just not to appear in the semester end examinations. The teachers have attracted several funded projects. They are working collaboratively for their research with leading intuitions from within India and abroad. They are publishing their research results in top class journals including in 'Nature' and in highly indexed conferences. They are having consultancy projects. IIIT-A is establishing two centres of excellence-one in Cognitive Studies and other in Robotics and Health Care. Many distinguished researchers from within India and from across the Globe have been visiting us. IIIT-A has created an incubation avenue also. With all these backdrops, you, the young graduates coming out of IIIT-A, are not going to be an ordinary mass in the days to come. You shall emerge as a leader. Thus I am compelled to quote Dr. Abdul Kalam again:

"The leader must be capable of instilling enthusiasm in his team. He should give appropriate credit when it is due. Praise publicly but criticize privately".

To accomplish this level of perfection one should be foundation wise strong. I am confident that each one of you is foundation wise competent. A foundation strong man cannot be egoistic. Ego fills us with arrogance.





Annual Report 2017-18



Arrogance ruins us. That is where the education that makes the foundation strong saves us from the trap of egoism and arrogance. It is fair to recall J. Krishnamurthy's central vision that education should not be separated from life and it must help everyone to understand not merely the outer world, but also the inner world of human consciousness. Continuing on this, J. Krishnamurthy adds that for most of us education consists in learning what to think.

“The machinery of 'what to think' we call education and that education only makes you mechanical, dull stupid, uncreative. But if you knew how to think, not what to think, then you would not be mechanical, traditional but live human beings, you would be great revolutionaries”.

With confidence, I stand here to see the great human beings and the great would be revolutionaries flying off from here on this day.

Before I conclude, I love to quote Marcus Aurchins

“Though no one can go back and make a brand new start, Anyone can start from now and make a brand new ending”

Kudos to all, because you are above all trifles and belong to this great class, and niche.

Best wishes and Thank you, All.

Prof. P. Nagabhushan,
Director, IIIT Allahabad



1.3 THE CHARTER & MISSION

CHARTER

- ❖ To train and educate certificate, diploma, undergraduate and postgraduate levels, engineers of outstanding ability who may become leaders in the IT industry and profession.
- ❖ To carry out advanced research and development in leading edge technology areas in Computer Hardware and Software which can be useful over comparatively on a long-term basis.
- ❖ To develop and promote national and international linkages by way of adjunct faculty, partnership in research, student exchange, academic credit transfer and joint degrees.
- ❖ To work for the creation and development of resource databases, associated software and courseware for all-important applications so as to ensure future availability of newer software technologies in English, Hindi and other Indian languages.

MISSION

- ❖ The mission of Indian Institute of Information Technology, Allahabad (IIIT-A) is to be a unique and world class nucleating “Apex Centre of Excellence” in the area of Information Technology and Allied Sciences for enhancing India's technological strength in Information Technology and for becoming a pace-setting institution for other similar institutes to be established in future.
- ❖ IIIT-A shall seek to derive its strength from its linkage with sound Indian traditions of past centuries and set out to create knowledge-based resources in regional languages of India.





1.4 THE GOVERNANCE

GOVERNING BODIES OF THE INSTITUTE

The Governing Bodies of the Institute comprise the following:

- ❖ IIIT Act
- ❖ The Board of Governors
- ❖ The Senate
- ❖ The Finance Committee
- ❖ The Building & Works Committee

In short, the functions of these Governing Bodies are given below:

IIIT Act 2014

With effect from 5th January, 2015, IIITs Act 2014 has been come into force. The provisions of the said Act are being implemented.

The Board of Governors (B.O.G.)

The Board is the principal authority responsible for academic, financial and administrative matters and has the ultimate responsibility for long term policy formulation, planning and development for growth and governance of the Institute. The Board has the power to constitute other subordinate and subsidiary groups/committees, as may be required, to discharge its functions. **Annexure - 1**

The Senate

The Senate is the principal academic body of the Institute and is responsible for the maintenance of standards of education, teaching, evaluation, research & consultancy, training, inter-departmental co-ordination, examinations and tests within the Institute and shall exercise such other powers and perform such other duties and functions as may be prescribed or conferred upon it by the Rules and Bye-laws. It has the responsibility to lay down policy guidelines and the directions for academic growth and development of the Institute. Other powers and functions are given in detail in the MoA & Rules.

A List of Members of the Senate during the period is given as **Annexure - 2**.

The Finance Committee (F.C.)

The Finance Committee of the Institute has the responsibility to look after resource mobilization, control of expenditure, etc. It should also stimulate resource generation from sources other than Government funding such as sponsored projects, research and consultancy and promote Industry Institute Interaction. A List of Members of Finance Committee during the period is given as **Annexure - 3**.





The Building & Works Committee (B.W.C.)

- (1) It is responsible under the direction of the Board for construction of all major capital works after securing from the Board the necessary administrative approval and financial sanction.
- (2) It is responsible under the direction of the Board for construction of all major capital works after securing from the Board the necessary administrative approval and financial sanction.
- (3) It shall have the power to give the necessary administrative approval and financial sanction for all minor works and works pertaining to maintenance and repairs, within the budget placed at the disposal of the Institute for the purpose.
- (4) It shall cause to be prepared estimates of cost of building and other capital work, minor works, repair, maintenance and the like.
- (5) The Committee shall perform such other functions in the matter of construction of building and development of land for the institute as the Board may entrust to it from time to time.

A List of Members of Building & Works Committee during the period is given as **Annexure – 4**.





Administration



2. The Administration

(As in March 2017)

2.1 Academic Departments

1. Information Technology
2. Electronics and Communication Engineering
3. Applied Science
4. Management Studies

These Divisions plan their academic activities jointly and severally under the guidance and direction of Dean(Academic) under administrative & academic control of the Academic Council and Board of Management through the Institutional Head, i.e. the Director of the Institute. Their growth plans and developmental activities are governed by the above authorities to ensure that the academic activities are planned and scheduled, keeping in view and incorporating the latest developments in their various fields of academics.

2.2 Deans/HoDs

Prof. U. S. Tiwary, Dean (Human Affairs)
Prof. T. Lahiri, Dean (Academic & Research)
Dr. Shekhar Verma, Dean (Infrastructure, Planning & Resources Management)
Prof. G.C. Nandi, Advisor (Quality, Assessment and Assurance)
Dr. Neetesh Purohit, Associate Dean (Admission, Assessment & Award)
Dr. Prithish Varadwaj, Associate Dean (Planning and Monitoring)
Dr. Rajat Kumar Singh, Associate Dean (Student Affairs)
Dr. Vijay Chaurasiya, Estate Officer
Dr. Vrijenda Singh, HoD (IT)
Dr. Manish Goswami, HoD (Electronics)
Dr. Akhilesh Tiwari, HoD (Applied Science)
Dr. Vijaishri Tewari, HoD (Management Studies)

2.3 Council of Wardens

Dr. Manish Kumar, Chairman Council of Warden,
Dr. Akhilesh Tiwari (Warden Boys Hostel -I)
Dr. Ratan Kumar Saha (Warden Boys Hostel -II)
Dr. Rahul Kala (Warden Boys Hostel -III)
Dr. Ranjeet Singh (Warden Boys Hostel-IV)



Dr. Vineet Tiwari (Secretary) & Dr Sunny Sharma (Warden Boys Hostel-V)

Dr. Sonali Agarwal (Warden Girls Hostel -I & II)

Dr. Pragya Singh & Dr. Rekha Verma (Warden Girls Hostel -III)

2.4 Proctorial Board

Dr. Manish Goswami, Chief Proctor

2.5 Special Functionaries

Prof. O P Vyas, Chief Vigilance Officer (CVO)

Prof Krishna Mishra, Chairperson(Prevention of Harassment of Women at Workplace)

Prof. Pavan Chakraboary, Grievance Officer

Dr. Shirshu Verma, Professor In-Charge, Placement (B.Tech, M.Tech & MBA)

Dr. Pavan Chakraborty, Faculty In-charge (Ph.D. Cell)

Dr. Shailendra Kumar , Faculty In-charge (Library)

Dr. Manish Kumar, Faculty In-charge (Maintenance)

Mr. Pavan Kumar Saini, Public Information Officer & In-Charge, Legal Cell

Dr. Sanjai Singh, Chairman, Purchase Committee

Dr. Ashutosh Mishra, (Chairman) Networking & Maintenance

Dr. Sanjeev BS, Faculty in-Charge: ERP & Automation

Dr. Satish K Singh, Faculty I/c: Transport

Dr. Mithilesh Mishra, Convener (ERP & Automation)

2.6 Officers

Dr. Shirshu Verma, Registrar (Acting)

Dr. Asheesh Kumaar, Deputy Registrar (AAA)

Dr. Seema Shah, Deputy Registrar (Store)

Dr. Pavan Kumar Saini (E&A)

Mr. O.P. Srivastava (F&A)

Dr. K.K. Tiwari, Assistant Registrar (SA)

Mr. R. Banerjee, Assistant Registrar (Purchase)

Mr Niranjan Kumar, Assistant Registrar (AAA)

Mr. Vivek Nagar, Assistant Registrar (Finance)

Mr. Pankaj Mishra, Public Relation Officer / Hindi Officer



Academics



3. The Academics

3.1 Academic Programme and Intake of the students

Sl. No.	Name of Programme	2017	
		Total Seats Including DASA	Total Admission Including DASA
1	B.Tech (IT)	140+5	139+5
2	B.Tech (ECE)	81+5	79+3
3	B.Tech(IT) IIIT Lucknow	50	48
4	5 Years Integrated M. Tech in Biomedical Engineering	7	5
5	5 Years Dual degree B.Tech-IT & M.Tech-IT (Spln. in Software Engineering)	7	7
6	5 Years Dual degree B.Tech-IT & M.Tech-IT (Spln. in Wireless Communication Engineering)	7	7
7	5 Years Dual degree B.Tech-IT & M.Tech-IT (Spln. in Intelligent Systems)	7	7
8	5 Years Dual degree B.Tech-IT & M.Tech-IT (Spln. in Robotics)	7	7
9	5 Years Dual degree B.Tech-IT & M.Tech-IT (Spln. in Human Computer Interaction)	7	7
10	5 Years Dual degree B.Tech.-IT & M.Tech-IT (Spln. in Bio-Informatics)	7	6
11	5 Years Dual degree B.Tech-ECE & M.Tech-EE (Spln. in Micro-Electronics)	7	5
12	5 Years Dual degree B.Tech-IT & M.Tech-IT (Spln. in Cyber Law & Information Security)	7	7
13	5 Years Dual degree B.Tech-ECE & MBA(IT)	4	4
14	5 Years Dual degree B.Tech-IT & MBA(IT)	9	9
15	M.Tech. - IT (Spln. in Bio-Informatics)	10	7
16	Integrated M.Tech.-IT (Spln. BI) & Ph.D.	3	1
17	M.Tech. - IT (Spln. in Intelligent Systems)	10	8
18	Integrated M.Tech.-IT (Spln. IS) & Ph.D.	4	3
19	M.Tech. - IT (Spln. in Software Engineering)	17	14
20	Integrated M.Tech.-IT (Spln. SE) & Ph.D.	6	4
21	M.Tech. - IT (Spln. in Human Computer Interaction)	12	9
22	Integrated M.Tech.-IT (Spln. HCI) & Ph.D.	4	2
23	M.Tech. - IT (Spln. in Robotics)	10	9
24	Integrated M.Tech.-IT (Spln. RO) & Ph.D.	4	3
25	M.Tech. - EE (Spln. in Micro Electronics)	12	9
26	Integrated M.Tech.-EE (Spln. MI) & Ph.D.	4	3
27	M.Tech. - IT (Spln. in Wireless Communication Engineering)	15	11
28	Integrated M.Tech.-IT (Spln. WCE) & Ph.D.	5	3
29	M.Tech. - IT (Spln. in Cyber Law & Information Security)	17	13
30	Integrated M.Tech.-IT (Spln. CLIS) & Ph.D.	6	4
31	MBA	36	5
32	Dual Degree MBA-Ph.D.	5	1
33	PhD**	(11+14)**	25

** total seats and total admission calculated on the basis of fresh admission.





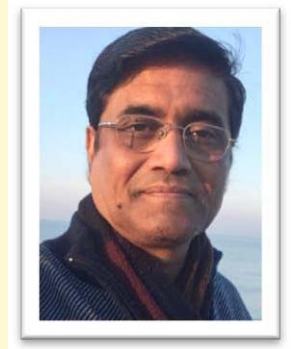
The Faculty Update



Prof. G C Nandi

4.1 Faculty Profile

1. **Name, Department & Designation:**
Prof. G C Nandi, Information Technology, Senior most Professor (HAG)
2. **Teaching/Research/Industry Experience:**
Teaching/Research: 32 years, Industry one year, Total: 33 years
3. **New courses developed :** Two
Title, course number :
 - a) **Deep Learning (IDML730 E) (For 7th Sem B.Tech, third semester M.Tech and Ph.D students)**
 - b) **Introduction to Robotics and Machine Learning through Python (Under Graduate First semester as Add on course)**
4. **Research Publications (International Journals):**
 1. "Feature Extraction and Selection for Emotion Recognition from Electrodermal Activity" in IEEE Transactions on Affective Computing (under second phase of review process), with Shukla Jainendra, Barreda-Ángeles Miguel and Oliver Joan **(SCI)**.
 2. "Multi-objective optimized bipedal locomotion", Int. Journal of Machine Learning and Cybernetics, (2017). DOI :10.1007/s13042-017-0660-1, with Raj M., Semwal V.B **(SCI)**.
 3. Design of Multi objective function for Biped Locomotion based on Energy and Stability, Journal of Intelligent Systems, with M Raj. 2017-05-11 | DOI: <https://doi.org/10.1515/jisys-2017-0072> **(SCOPUS)**
 4. Hybrid Model for Passive Locomotion Control of a Biped Humanoid, with Manish Raj, Vijay Bhaskar Semwal International Journal of Interactive Multimedia and Artificial Intelligence, May 2017.**(SCI)**
 5. "A rough set based reasoning approach for criminal identification, Article in International Journal of Machine Learning and Cybernetics", June 2017, DOI: 10.1007/s13042-017-0699-z, with Avinash Kumar Singh, Neha Baranwal, **(SCI)**
 6. "Design of Vector Field for Different Subphases of Gait and Regeneration of Gait Pattern" IEEE Transactions on Automation Science and Engineering (Volume: 15, Issue: 1, Jan. 2018) **(SCI)**
5. **Research Publication (International Conferences):**
 1. Soumyarka Mondal, Member, IEEE, and Gora Chand Nandi, Senior Member, IEEE , " Hybrid Model for Passive Locomotion Control of a Bipedal Robot", IEEE- ICRA 2017, May 29 - June 03, 2017, Singapore (paper ID-WePM14).





2. Soumyarka Mondal, Member, IEEE, and Gora Chand Nandi, Senior Member, IEEE "Personal Robot: Towards developing a complete Humanoid Robot Assistant using the Internet of Things", IEEE Smart World Congress -2017, August 4-8, Bay Area, San Francisco, USA.
3. P Pandey, Krishan Kumar, G C Nandi, "Imitation of Human Motion on a Humanoid Robot using Inverse Kinematics and Path Optimization ", In the Conference Proceedings of IEEE International Conference on Intelligent Computing and Control Systems (IEEE ICICCS 2018), 14-15 June, 2018, Madurai. India, pp1870-1875
4. Shruti Jaiswal, Ashish Mehta and G.C Nandi, "Investigation on the Effect of L1 and L2 Regularization on Image Features Extracted using Restricted Boltzmann Machine", In the proceedings of IEEE-ICCS 2018, June 14- June 15, 2018 , Madurai. India, pp-1552-1557
5. Padmakar Pandey, Akash Chakroborty, G.C. Nandi, "Efficient Neural Network Based Principal Component Analysis Algorithm", IEEE CICT 2018, IIIT-Jabalpur, October 26-28, 2018 (Accepted).
6. Priya Shukla, G.C.Nandi, " Reinforcement Learning for Robots with special reference to the Inverse kinematics solutions", IEEE CICT 2018, IIIT-Jabalpur, October 26-28, 2018 (Accepted).
7. Aditya Singh, G. C. Nandi, " Machine Learning based Joint Torque calculations of Industrial Robots", IEEE CICT 2018, IIIT-Jabalpur, October 26-28, 2018 (Accepted).
8. Shruti Jaiswal, Pratyush Mishra, GC Nandi, "Deep Learning based Command Pointing Direction Estimation using a Single RGB Camera", 5th IEEE, UPCON 2018. 2-4 Nov 2018 (Accepted).

6. Seminars and Invited Talk Presented:

- Invited by the URV University, Tarragona, Spain to act as a Jury for a doctoral thesis examination committee, May 21-25, 2018.
- Prof Nandi Signed an International MOU with URV University of Spain.
- Prof Nandi played a role of nodal person in signing another International MOU between Robotics and Machine Intelligence Laboratory of IIIT-A and a leading robotics institute of Spain (IRD ,Barcelona).
- Delivered a talk titled " Solving biped locomotion challenges using Computational Theoretic Approach" in Indo-Korea joint workshop on Robotics, March 22-23, 2017, IIT Delhi.
- Delivered a talk on "Big data Analytics in Robotics" at the University of Peradeniya, Sri Lanka on a Big Data Workshop organized by Faculty of Engineering, from December 13-15, 2017.

7. Conferences attended outside IIIT Allahabad (Conference, Venue, Dates, Type of participations, e.g. Chairing Session, presenting invited or contributed paper, panelist in discussion, any other):





Annual Report 2017-18



- Participated as a panel speaker in STS forum 3rd INDIA – JAPAN Workshop in Delhi on February 28 2018.
- Presented a paper and chaired a session on Robotics-II at the prestigious 14th IEEE International Conference on Control and Automation (ICCA-2018) conducted during June12-15, 2018 at Anchorage, Alaska , USA.

8. Other Activities:

Accomplishment of few Robotics students:

Graduated 4 Ph.D scholars during (2017-2018)

1. Two of my Ph.D students after finishing Ph.D received postdoctoral fellowship from the [Umeå University](#), Sweden ,and working there since Feb 2018.
2. My dual degree student Mr Naimish Agarwal who graduated in August 2018 got job offer from Germany.



Acting as a Jury in the Ph.D committee, Barcelona , Spain May 2018.





Prof Nandi as Panel speaker at Indo-Japan STS workshop, Feb 2018.



Annual Report 2017-18



Prof. U.S. Tiwary

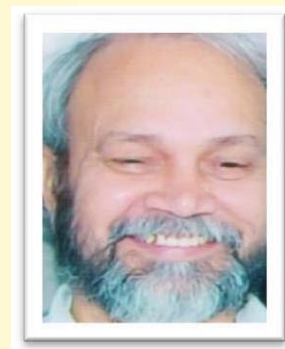
1. Name, Department & Designation:

Prof. U.S. Tiwary, Department of Information Technology

2. Teaching/Research/Industry Experience:

Teaching/Research: 30 years of teaching and 34 years of research experience.

Total: 30 years



3. Research papers published in journals:

Sr. No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1	S. Malviya, US Tiwary	Knowledge based summarization and document generation using Bayesian network	Procedia Computer Science	89	2016	333-340

Title of the article, Journal, Volume (number), Year, Page numbers (inclusive), all authors (initials first)

Note: Please avoid duplication from last year's report. *In Press* papers will be deleted if they have not **actually appeared by 31st March, 2018.**

Underline the name of the author for correspondence.

4. Average Impact Factor of all publications and name of the major journal in which publication are made.

5. Research papers published in conference proceedings (as a full paper)

Sr. No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	Page
1.	O Dhariys, S Malviya, US Tiwary	A hybrid approach for hindi-english machine translation	International Conference on Information Networking		2017	389-394





2.	Subhangi, US Tiary	Classification of Indian Classical Dance Forms	Intelligent Human Computer Interaction		2017	67-80
3.	S.Malviya, Rohit Mishra, US Tiary	Structural Analysis of hindi phonetics and a method for extraction of phonetically rich sentences from a very large hindi text corpus	Coordination and Standardization of Speech Databases		2016	188-193

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

6. Seminars and invited talks presented:

Title	Organization	Date
Role of IT in Assistive Technology	V. B. S Purvanchal University, Jaunpur	28-02-2017
Internet of Things for Smart Living	Banasthali University, Rajasthan	28-08-2017

7. Conferences attended outside IIIT Allahabad

Conference, Venue, Dates, Type of participations, e.g. Chairing Session, presenting invited or contributed paper, panelist in discussion, any other)

IHCI-2016	Pilani, Rajasthan	12-13 December	Contributed Paper
ICOIN-2018	Vietnam	11-13 January	Contributed Paper

8. Work done in project undertaken in the Institute:

A project obtained from DST, India in collaboration with IIT-Patna, IIT-Bombay, IIIT-Hyderabad etc on “Hindi to English Judicial Domain Machine Translation”

10. Training Programme organized:

2 Months summer intern programme was supervised from 15 May to 15 July, 2016. This programme attracted student from Indian Institute of Engineering Science and Technology, Shibpur.





9. Other Activities

(a) *Software Developed*

Emotion recognition based on multimodal fusion.
EEG based emotion recognition system using deep learning
English to hindi machine translation tool
Computer aided interview recommendation
Hindi-English Parallel Corpora

(b) *Continuing Education Activities*

Ministry funded GIAN course was organized during 8-16 Aug, 2016 in IIIT-Allahabad. Prof. Mriganka Sur, MIT, USA was the course instructor. The course attracted students from premium national institutes.

(c) *Participation in the High Level Industry Academia Interaction Program during summer*





Prof. Om Prakash Vyas

- Name, Department & Designation:**
Prof. Om Prakash Vyas, Academic Designation and Department:
Professor (Information Technology)
[Worked during Dec. 2015 till Dec. 2017 'On Lien' at IIIT Naya Raipur as Professor (CS) & Dean (Academic)]



- Teaching/Research/Industry Experience:**
Teaching/Research: **30 Years**

- New courses developed**
[Worked for **Innovative Fractal Academics** with active interaction of IIT Bhilai, IIT Hyderabad and many courses designed and developed for B.Tech. (CSE) at IIIT Naya Raipur with fractal academic paradigm]

- Research papers published in journals**

Sr. No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
01.	<u>Nidhi Kushwaha</u> , <u>Xudong Sun</u> , <u>Bharat Singh</u> , O. P. Vyas	A Lesson learned from PMF based approach for Semantic Recommender System	Journal of Intelligent Information system	Vol. 50	2018	441-453
02.	<u>Dilip Sisodia</u> , <u>Shrish Verma</u> , Om Prakash Vyas	Augmented intuitive dissimilarity metric for clustering of Web user sessions.	Journal of Information Science	Vol. 43 (4)	2017	480-491
03.	<u>Monika Rani</u> , <u>Amit Kumar Dhar</u> , O. P. Vyas	Semi-automatic terminology ontology learning based on topic modeling	Journal - Eng applications of AI	Vol. 63	2017	108-125
04.	<u>Pradeep Singh</u> , <u>Nikhil R. Pal</u> , <u>Shrish Verma</u> , Om Prakash Vyas	Fuzzy Rule-Based Approach for Software Fault Prediction	IEEE Transactions Systems, Man and Cybernetics	Vol. 47(5)	2017	826-837

Title of the article, Journal, Volume (number), Year, Page numbers (inclusive), all authors (initials first)





Annual Report 2017-18



Note: Please avoid duplication from last year's report. *In Press* papers will be deleted if they have not **actually appeared by 31st March, 2018.**

Underline the name of the author for correspondence.

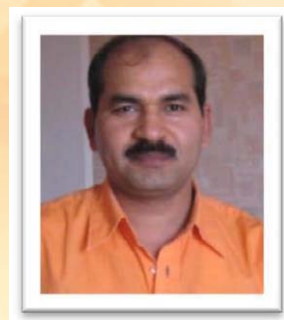
5. Research papers published in conference proceedings (as a full paper)

Sr. No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page
01.	Nidhi Kushwaha, Giovanni Merlino, Francesco Longo, Dario Bruneo, Antonio Puliafito, O. P. Vyas	Providing Sensor Services by Data Correlation: The #SmartME Approach	CISIS 2017		2017	864-874
02	M. Rani, R. Vyas, S. Chaudhary, S. Sharma, A. Baitiyal, A. Tomar, and O. P. Vyas.	Intelligent Data Analysis using SSN Ontology for Streaming Reasoning Capability	IEEE International Conference on Computing, Communication and Automation (ICCCA)		2017	Pages 196-201
03	Nachiket Tapas, O. P. Vyas	IoT deployment for smarter cities with special reference to mobility	ICC 2017		2017	147:1-4
04	Monika Rani, Sanchit Alekh, Aditya Bhardwaj, Abhinav Gupta, O. P. Vyas	Ontology-based Classification and Analysis of non-emergency Smart-city Events	ICCTICT 2017		2017	1708.00 856
05	Monika Rani, O. P. Vyas	Smart Bike Sharing System to make the City even Smarter	Advances in Computer and Computational Sciences, Springer, Singapore,		2017	pp. 43-55
06.	<u>Monika Rani</u> , Riju Nayak, O. P. Vyas	An Ontology-based Adaptive Personalized E-learning System, Assisted by Software Agents on Cloud Storage	CoRR abs		2017	1709.01 492





Dr Akhilesh Tiwari



- Name, Department & Designation:**
Dr Akhilesh Tiwari, Assistant Professor, Department of Applied Sciences
- Teaching/Research/Industry Experience:**
Teaching/Research: 14/19, Industry: One Year, Total: 20 Years
- New courses developed**
 - Modeling, Simulation and Information Technology for Space – MSIS-110
 - Biomedical Engineering for Space – BES-110
- Research papers published in journals**

Sr. No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	Page
1.	Satavant Kumar Singh Arya, Chakshu Bhatia, <u>Akhilesh Tiwari</u> ,	Android Based Heart Rate Variability and Body Temperature Monitoring System.	Research & Reviews: Journal of Medical Science and Technology.	6(3)	2017	11-15

Title of the article, Journal, Volume (number), Year, Page numbers (inclusive), all authors (initials first)

Note: Please avoid duplication from last year's report. *In Press* papers will be deleted if they have not **actually appeared by 31st March, 2018.**

Underline the name of the author for correspondence.

5. Research papers published in conference proceedings (as a full paper)

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page
1	Dinesh Kumar, <u>Akhilesh Tiwari</u> and Kuldeep Srivastava	An investigation of the supplementary source of potable water by atmospheric vapour condensation and its quality control	Proc. the International Conference on Sustainable Energy and Environmental Challenges (SEEC-2018) 31 December 2017 – 03, January, 2018, IISc, India.	Track:10	2018	376-369

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

- Seminars and invited talks presented:
Title, Organization, Date



Annual Report 2017-18



- Invited speaker at the Department of Physics, Erwin Christian College, Allahabad, March 14, 2018.
- Invited speaker at National Seminar on “Need for Research and Innovation in Education”, organized by IAPT at Shri Shakti Degree College, Ghatampur, Kanpur from February 17-18, 2018.
- Invited speaker at Two days workshop on Communication Connect, the title of the invited talk was “Communication Delays - a prospective consequence” held on 17-18 October 2017 organized by Department of Management Studies, IIIT Allahabad

7. Conferences attended outside IIIT Allahabad

Conference, Venue, Dates, Type of participations, e.g. Chairing Session, presenting invited or contributed paper, panelist in discussion, any other)

- **Best poster award with a citation and Rs.4000/- prize money for a paper entitled “Experimental modeling of water vapour condensate production and its analysis” by Dinesh Kumar and Akhilesh Tiwari in Annual Research Day program on 24 March 2018 at IIIT Allahabad, UP, India.**
- **International Conference on Innovative Research in Engineering, Computers and Sciences (IRECS-2018), “Android Based Heart Rate Variability and Body Temperature Monitoring System”, by A Tiwari et. al. held on 19-21 January, 2018 at Vivanta by Taj-Panji, Goa, India**
- **Attended IEEE International Conference on Antenna Innovations and Modern Technologies (iAIM-2017) held on 24-26 November 2017, Sterling Mac Hotel Banglore, India.**
- **Attended IEEE International Conference on Young Professional in Space (YPinSpace) held on 24-26 November 2017, Sterling Mac Hotel Banglore, India.**
- **Best poster award with a citation and Rs.1000/- prize money for a paper entitled “Analysis of water vapour condensates – An alternative approach to get potable water” by Dinesh Kumar and Akhilesh Tiwari, in XXXII Annual IAPT Convention 2017, Haridwar and National Symposium on Recent Trends in Physics at Different Scale, 29-31 October 2017, organized by Gurukul Kangari Vishwavidyalaya, Haridwar – 249404, Uttarakhand.**

8. Training Programme organized:

- **Organized a two days workshop on (ExpEYES) Interfacing Physics Experiments to Convert your PC into Physics Laboratory, 21-22 April, 2018 held at the Department of Applied Science, IIIT Allahabad.**
- **Organized a 10 Days Global Initiates of Academic Networks (GIAN) Course on “Numerical Methods on Transport Phenomenon (NMTP)” from March 26th – 4th April, 2018, at the**





Department of Applied Science, Indian Institute of Information Technology, Allahabad with a Foreign Faculty Prof Jean-Pierre Fontaine, UBP, France.

9. Other Activities

(a) Any other important activity not specified above

- **Chief Election Commissioner – Gymkhana Election 2018:- Performed total automated online voting procedures.**





Annual Report 2017-18



Dr. Abhishek Vaish



1. Name, Department & Designation
Dr. Abhishek Vaish, IT Assistant Professor
2. **Teaching/Research:** 9.5 Govt/Industry **Experience:** 2.5
3. **Research papers published in journals**

Sr. No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	Page
1	Nitish Kumar, Abhishek Vaish	Anomaly Detection in Crowd Using Spatio-Temporal Visual Descriptor	International Journal of Information System Modelling and Design (IJISMD)	IGI Global Pub (in press)	2017	

Title of the article, Journal, Volume (number), Year, Page numbers (inclusive), all authors (initials first)

Note: Please avoid duplication from last year's report. *In Press* papers will be deleted if they have not **actually appeared by 31st March, 2018.**

Underline the name of the author for correspondence.

4. Seminars and invited talks presented:

Sr. No.	Title	Organization	Date
1	Research outcome through global outreach programme	Centre of Advance Studies, Abdul Kalam Technical University, Lucknow	13 th and 14 th September 2017
2	Cyber Security	Moscow Institute of Physics and Technology	5 th December 2017 to 15 th December, 17
3	Cyber security and forensics to republic of Union of Myanmar	University of Computer Studies, Yangon (UCSY)	17 th December to 4 th Jan 2018
4	Recent trends in cyber Crime and Its Investigation Challenges	Babasaheb Bhimrao Amedkar University, Lucknow	9 th February 2018
5	Cyber Crime and Investigating Challenges	JIS college of Engineering, West Bengal	22 nd March 2018
6	Cyber Security	Sahyadri College of Engineering and management, Karnataka	4 th July 2018





Dr. Abdullah Bin Abu Baker

- 1. Name, Department & Designation:**
Dr. Abdullah Bin Abu Baker, Applied Sciences (Mathematics),
Assistant Professor (On Contract)
- 2. Teaching/Research/Industry Experience:**
Teaching/Research: 04, Industry, Total: 04
- 3. New courses developed:** 01 course
Title, course number: **Functional Analysis (SFAN240)**
- 4. Conferences attended outside IIIT Allahabad 01 international**
Conference: Banach Spaces and Operator Theory with Applications
Venue: Faculty of Mathematics and Computer Science of Adam Mickiewicz University, Poznań,
Poland
Dates: July 3-7, 2017
Type of participation: Presented a paper titled "Reflexivity-like problems in Banach spaces".





Annual Report 2017-18



Dr. Amaresh Kumar Sahoo



1. **Name, Department & Designation:**
Dr. Amaresh Kumar Sahoo, Assistant Prof, Dept. of Applied Sciences

2. **Teaching/Research/Industry Experience:**
Teaching/Research: 3.0, Industry Total: 03

3. Books and book-chapters published

Sr. No.	Author(s) Name	Title of the Book/Chapter	Publisher	Place and Year of publish	Pages (in case chapter)	
	Amaresh Kumar Sahoo*, Arushi Verma and Prerna Pant	'Nanoformulations for Cancer Therapy' in book titled 'Nanotechnology Applied To Pharmaceutical Technology'	(Springer) ISBN: 978-3-319-70298-8.	2017	pp157-181.	

4. Research papers published in journals

Sr. No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1	Amaresh Kumar Sahoo, Subhamoy Banerjee, Siddhartha Sankar Ghosh and Arun Chattopadhyay.	DNA-Templated Single Thermal Cycle Based Synthesis of Highly Luminescent Au Nanoclusters for Probing Gene Expression.	ACS Sustainable Chemistry & Engineering,	6 (2),	2018	2142–2151.
2	Sunil Kumar Sailapu, Deepanjalee Datta, Amaresh Kumar Sahoo, Siddhartha Sankar Ghosh and Arun Chattopadhyay	A Single Platform for Gene and Protein Expression Analyses Using Luminescent Gold Nanoclusters.	ACS Omega,	3 (2),	2018	2119–2129
3	Upashi Goswami, Amaresh Kumar	In Situ Synthesis of Luminescent Au	ACS Omega,	3 (6),	2018	6113–6119.





	Sahoo, Arun Chattopadhyay and Siddhartha Sankar Ghosh.	Nanoclusters on a Bacterial Template for Rapid Detection, Quantification, and Distinction of Kanamycin-Resistant Bacteria.				
--	---	--	--	--	--	--

Title of the article, Journal, Volume (number), Year, Page numbers (inclusive), all authors (initials first)
Note: Please avoid duplication from last year's report. *In Press* papers will be deleted if they have not **actually appeared by 31st March, 2018.**

Underline the name of the author for correspondence.

5. **Average Impact Factor of all publications and name of the major journal in which publication are made. 2.0**

6. **Research papers published in conference proceedings (as a full paper)**

Sr. No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page
2	Ananya Mishra, Aparajita Basu, Divya Maheshwari, Shruti Gupta, Shubham Saxena, Amaresh Kumar Sahoo* and Sintu Kumar Samanta*,	Study of Antibacterial Activity of Cu NPs and Fluorescent C-Dots Based Nano-gel.	Journal of Nanoscience Nanoengineering and Applications	7 (3)	2018	5-9.

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.





Annual Report 2017-18



Dr. Anand Kumar Tiwari



1. Name, Department & Designation:
Dr. Anand Kumar Tiwari, Applied Sciences, Assistant Professor
2. **Teaching/Research/Industry Experience:**
Teaching/Research: **04 Years**
3. **New courses developed :**
(1) Introduction to Topology (2) Topological Graph Theory
4. **Research papers published in journals**

Sr. No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1	Anand Kumar Tiwari, Ashish Kumar Upadhyay	Semi-equivelar maps on the surface of Euler characteristics -1	Note di Matematica	37 (2)	2017	91-102

Title of the article, Journal, Volume (number), Year, Page numbers (inclusive), all authors (initials first)

Note: Please avoid duplication from last year's report. *In Press* papers will be deleted if they have not **actually appeared by 31st March, 2018.**

Underline the name of the author for correspondence.

5. **Conferences attended outside IIIT Allahabad:**
Attended a seminar on Quadratic Forms and Arithmetic (QFA), held in MNNIT Allahabad, Allahabad, December 21-22, 2017.
6. **Work done in project undertaken in the Institute:**
Classified doubly semi-equivelar maps on the torus and Klein bottle (work is communicated).



Dr. Anurika Vaish

1. **Name, Department & Designation:**
Dr. Anurika Vaish, Department of Management Studies,
Associate Professor

2. **Teaching/Research/Industry Experience:**
Teaching/Research: 16, Industry 1, Total: 17 years

3. **New courses developed**
Title, course number- Economics (MECO)

4. **Research papers published in journals**



Sr. No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	Page
1	Dr. Anurika Vaish, Sarthak Sengupta	Manpower Retention and Cost Control Strategies in Indian Service Sector – A Human Resource Perspective	Australian Journal of Accounting, Economics and Finance	Vol.3, No. 2	2018	pp. 76-84
2	Dr. Anurika Vaish, Shardul Shankar, G. Anagh	Spirituality and skill for leadership towards sustainable management	Purushartha Journal	Vol 10, No. 2	2018	pp 107-112

Title of the article, Journal, Volume (number), Year, Page numbers (inclusive), all authors (initials first)
Note: Please avoid duplication from last year's report. *In Press* papers will be deleted if they have not **actually appeared by 31st March, 2018.**

Underline the name of the author for correspondence.

5. **Average Impact Factor of all publications and name of the major journal in which publication are made.**

Australian Journal of Accounting, Economics and Finance, Purushartha Journal

6. **Research papers published in conference proceedings (as a full paper)**

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page
1	Dr. Anurika Vaish, Sarthak Sengupta, Nimisha Singh	Banking industries and BASEL accord: A measure for maintaining capital adequacy	National Conference on Emerging Business Practices 2018	Conference Proceedings	2018	Conference Proceedings



Annual Report 2017-18



2	Dr. Anurika Vaish, Sarathak Sengupta, Dr. Ranjit Singh	Impact of Social Media on Organizational Behaviour of Educational Institutions	International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC 2018) – IEEE Madras Section	IEEE Xplore Digital Library (Expected Nov. 2018)	2018	IEEE Xplore Digital Library (Expected Nov. 2018)
---	--	---	--	---	------	---

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.





Dr. Ashutosh Mishra

1. **Name, Department & Designation:**
Dr. Ashutosh Mishra, Associate Professor, Biomedical Engineering (Applied Science)
2. **Teaching/Research/Industry Experience:**
Teaching/Research: 11 Industry 02: Total 13
3. **Research papers published in journals**

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1	Shikha Suman and Ashutosh Mishra	Network analysis revealed aurora kinase dysregulation in five gynecological types of cancer	Oncology Letters	15, Issue 1	2018	112-1132
2	Shikha Suman and Ashutosh Mishra	An interaction network driven approach for identifying biomarkers for progressing cervical intraepithelial neoplasia	Nature (Scientific Reports)	In Print	27/8/18	

4. **Average Impact Factor of all publications and name of the major journal in which publication are made.** 3.1365
5. **Work done in project undertaken in the Institute:**
 - Consultancy Project for PCDA (Allahabad)
 - Consultancy Project for UPDESCO (Lucknow)

(a) *Participation in the High Level Industry Academia Interaction Program during summer ODU – Norfolk VA (USA) – Summer 2018*





Annual Report 2017-18



Dr. Krishna Pratap Singh

- Name, Department & Designation:**
Dr. Krishna Pratap Singh, Assistant Professor, IT Department
- Teaching/Research/Industry Experience:**
Teaching/Research: 9 years
- New courses developed**
Title, course number Probabilistic Machine Learning and Graphical Model
- Research papers published in journals**

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1	<u>M Ojha</u> , KP Singh, P Chakraborty, S Verma, PS Pandey	An Empirical Study of Aggregation Operators with Pareto Dominance in Multiobjective Genetic Algorithm	IETE Journal of Research	63	2017	493-503
2	<u>J Kashniyal</u> , S Verma, KP Singh	A new patch and stitch algorithm for localization in wireless sensor networks	Wireless Networks		2018	1-14
3	<u>Bodhi Chakraborty</u> , Shekhar Verma, Krishna Pratap Singh	Staircase based differential privacy with branching mechanism for location privacy preservation in wireless sensor networks	Computers & Security	77	2018	36-48

Title of the article, Journal, Volume (number), Year, Page numbers (inclusive), all authors (initials first)
Note: Please avoid duplication from last year's report. *In Press* papers will be deleted if they have not **actually appeared by 31st March, 2018.**

Underline the name of the author for correspondence.

- Research papers published in conference proceedings (as a full paper)

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page
1	<u>Krishna Pratap Singh</u> ,	Localization in wireless	Region 10 Conference,		2017	393-397





	Rajat Bhai, Vishrut Mishra, Pradeep Nagar, Jyoti Kasinayal	sensor network using LLE-ISOMAP algorithm	TENCON 2017-2017 IEEE			
2	<u>Muneendra Ojha</u> , Pavan Chakraborty, Krishna Pratap Singh, Shekhar Verma	Regions of interest on pareto front using MOGA automated feedback mechanism	Region 10 Conference, TENCON 2017-2017 IEEE		2017	2023-2028
3	<u>Jyoti Kashniyal</u> , Shekhar Verma, Krishna Pratap Singh	Flip Error Elimination and Core Map Selection in Patch and Stitch Algorithms for Localization in Wireless Sensor Network	Proceedings of the 7th International Conference on Computer and Communication Technology		2017	41-46

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

6. Conferences attended outside IIIT Allahabad
IEEE-Tencon-17, Penang Malaysia, 2017. Chairing Session and presenting invited or contributed paper)
7. Work done in project undertaken in the Institute:
Co-investigator in AVIRAL- by IIITA. 87.0 Lakh.
8. Other Activities
 - (a) **Continuing Education Activities**
Workshop on Machine Learning and Data Analytics, 13-18 July, 2017.
AISYWC-2017, 27-29 Sep-2017



Annual Report 2017-18



Dr. Madhvendra Misra

- Name, Department & Designation:**
Dr. Madhvendra Misra, Department of Management Studies, Associate Professor
- Teaching/Research/Industry Experience:**
Teaching/Research: 18yrs & 7months Industry

3. Research papers published in journals

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1	<u>A Tiwari</u> , M Misra	Analysis of operative factors and practices in social CRM	International Journal of Digital Enterprise Technology	1 (1-2)	2018	135-176
2	<u>A Tewari</u> , M Misra	Effect of mobile shopping apps on middle age consumers' buying behaviour	International Journal of Business Forecasting and Marketing Intelligence*	4 (2)	2018	123-153

Title of the article, Journal, Volume (number), Year, Page numbers (inclusive), all authors (initials first)
Note: Please avoid duplication from last year's report. *In Press* papers will be deleted if they have not **actually appeared by 31st March, 2018.**

Underline the name of the author for correspondence.

- Average Impact Factor of all publications and name of the major journal in which publication are made.**
International Journal of Business Forecasting and Marketing Intelligence (*Listed in Australian Business Deans Council Journal Rankings List (ABDC))

5. Seminars and invited talks presented:

Title, Organization, Date

- Resource Person - Faculty Development Program – Entrepreneurship** .Rajkiya Engineering College, Azamgarh, **15.11.2017**
- Chairman Technical Session (III – Samridh Bharat), National Seminar on 'Absolute Swaraj', SS Khana Degree College, University of Allahabad, 4th Dec. 2017
- Resource Person at AISYWC'17 (**All India Student-Young Professional-Women in Engineering Congress**). Allahabad hosted by Indian Institute of Information Technology Allahabad (IEEE UP Section). **27 - 29 Sept 2017.**





6. **Training Programme organized:**

Research Methods and Data Analysis Using R & SPSS, 13-14 November, 2017 at IIITA

7. **Other Activities**

(a) ***Any other important activity not specified above***

National Productivity Council, Residential Prog. on 'Innovation & Creativity through KM', Period- 5-9 Feb, 2018





Annual Report 2017-18



Dr. Manish Goswami

- Name, Department & Designation:**
Dr. Manish Goswami, Department of Electronics and Communication,
Associate Professor & HOD ECE Deptt.
- Teaching/Research/Industry Experience:**
Teaching/Research: 15, Industry 01, Total: 16
- Research papers published in journals:**



Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1.	Anush Bekal, Bharathi Mathyarasa, Manish Goswami, Zhou Zhao and Ashok Srivatsava	" 6-bit, Reusable Comparator Stage Based Asynchronous Binary-Search SAR ADC Using Smart Switching Network	Int.Journal of Electronics	Vol.12 No.1	2017	pp-124-131
2	Manish Goswami et al	"Design and fabrication of a magnetically actuated non-invasive reusable drug delivery device."	Drug development and industrial pharmacy "	Vol.44, no.7	2018	1070-1077
3.	Divyesh Sachan, M. Goswami, P. K. Misra	"A High-Q Floating Active Inductor using 130nm BiCMOS Technology and Its Application in IF Band Pass Filter,"	Analog Integrated Circuits and Signal Processing	vol., no. 5	2018	

Title of the article, Journal, Volume (number), Year, Page numbers (inclusive), all authors (initials first)

Note: Please avoid duplication from last year's report. *In Press* papers will be deleted if they have not **actually appeared by 31st March, 2017.**

Underline the name of the author for correspondence.

- Average Impact Factor of all publications and name of the major journal in which publication are made: 0.8**





5. Research papers published in conference proceedings (as a full paper)

Sr No.	Author(s) Name	Title of the Article	Conference	Year	page
1.	Sreedhar Vineel Reddy Kaipu, Joyline Dsa, Divyesh Sachan, Manish Goswami	"Fabrication of Flexible Sensors for Electrodermal Activity Measurement "	IEEE-ICM, Beirut, Lebanon	2017	Presented
2	Divyesh Sachan, Manish Goswami and Prasanna Kumar Misra	"Analysis of Modulation Schemes for Bluetooth-LE Module for Internet-of-Things (IoT) Applications "	IEEE-ICCE, Las Vegas	2018	Presented

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

6. Conferences attended outside IIIT Allahabad:

- Midwest Symposium on circuit and Systems (MWSCAS-2016), Abu Dhabi.

7. Work done in project undertaken in the Institute:

Project title	Year	Status
Special Manpower Development Programme-Chip to System Design (Meity)	November 2015-November 2020	Ongoing

8. Training Programme organized: Workshop



Annual Report 2017-18



Dr. Manish Kumar



1. Full name (as published in the Institute records, with prefix and suffixes, of degrees and distinctions): **Dr. Manish Kumar**, M.Tech.(CS), Ph.D (IT)
2. **Academic Designation and Department:**
Associate Professor, Department of IT
3. **Publications (Research Papers and Books):**
 - "Node Scheduling and Compressed Sampling for Event Reporting in WSNs." In **IEEE Transactions** on Network Science and Engineering (2018), Doi: 10.1109/TNSE.2018.2799845.
 - 'In-network data processing in wireless sensor networks using compressed sensing', Int. J. Sensor Networks (2018), Vol. 26, No. 3, pp.174–189. (SCI) (**Impact Factor- 0.454**), Inder Science Publishers.
 - "Accurate Detection of Important Events in WSNs," (2018) in IEEE Systems Journal (SCI) (**Impact Factor- 3.854**), vol. PP, no.99, pp. 1-10. Doi: 10.1109/JSYST.2017.2783353.
 - "DBCS: A Decomposition Based Compressive Sensing for Event Oriented Wireless Sensor Networks." Wireless Personal Communications 99, no. 1 (2018): 351-369.
 - "Low Cost Localization using Nyström Extended Locally Linear Embedding." Pattern Recognition Letters (2018).
 - "Patch based LLE with Selective Neighborhood for Node Localization." IEEE Sensors Journal (2018). (**Impact Factor- 2.6**)
 - "In-Network Data Processing Based on Compressed Sensing in WSN: A Survey." Wireless Personal Communications: 1-38. (2017). doi:10.1007/s11277-017-4288-y. (**Impact Factor: 0.951**)
 - "Energy Efficient Event Detection Using Probabilistic Inference in Wireless Sensor Networks." IETE Journal of Research (2017): 1-11. (**Impact Factor: 0.909**)
 - "Compressed sensing based acoustic event detection in protected area networks with wireless multimedia sensors." Multimedia Tools and Applications 76, no. 18 (2017): 18531-18555. (**Impact Factor: 1.530**)
 - "Voronoi Neighbor Based Energy Efficient Event Detection in Wireless Sensor Networks." AEU-International Journal of Electronics and Communications (2017). (**Impact Factor: 1.147**)
 - "In-network data processing in wireless sensor networks using compressed sensing." International Journal of Sensor Networks 26, no. 3 (2018): 174-189.



- Singh, Vishal Krishna, and Manish Kumar. "A Compressed Sensing Approach to Resolve the Energy Hole Problem in Large Scale WSNs." Wireless Personal Communications 99, no. 1 (2018): 185-201.
- "Adaptive Locally Linear Embedding for Node Localization in Sensor Networks." IEEE Sensors Journal 17, no. 9 (2017): 2949-2956. **(Impact factor: 2.512)**
- "Incremental LLE for Localization in Sensor Networks." IEEE Sensors Journal 17, no. 19 (2017): 6483-6492. **(Impact factor: 2.512)**
- Singh, V.K., Singh, V.K. & Kumar, M., "In-Network Data Processing Based on Compressed Sensing in WSN: A Survey," Wireless Pers Commun (2017) 96: 2087. **(Impact Factor-3.854)**

Invited talks in Seminars/ Workshops/Conferences/ Symposiums etc.

- "Mining Big Data", Workshop on "Machine learning and Data Analytics (MLDA-2017)", 13 July - 18 July, 2017 IIIT, Allahabad.
- "Social Network Analysis", Workshop on "Machine learning and Data Analytics (MLDA-2017)", 13 July - 18 July, 2017 IIIT, Allahabad.
- "IoT and Wireless Sensor Networks", Short Term Course on "Workshop on Antenna Design and Signal Processing Techniques for 5G Networks and IoT"(ADSPNIT-2017), 27 Feb - 4 March, 2017 MNNIT, Allahabad.
- "Mining Large Data", Short Term Course on "Workshop on Emerging Trends in Communication & Information Technology" (COMMIT-2017), 30 Jan - 3 Feb, 2017 SHUATS, Allahabad.

Lab & Curriculum Development

Development of Data Analytic Lab (in Process)

Administrative responsibilities

- **Faculty In Charge(Maintenance Cell, Computers)**
- **Chairman , Council of Wardens)**

7. Any other important activity not specified above

- **Chairman(Senate Under Graduate Committee) IIIT Allahabad: Responsible for academic related activities of B.Tech**
- **Secretary, IEEE Computer Society, UP Section**





Annual Report 2017-18



Dr Nidhi Mishra

- Name, Department & Designation:**
Dr Nidhi Mishra, applied Science, Assistant Professor
- Teaching/Research/Industry Experience:**
Teaching/Research: 10 years
- New courses developed :** Cheminformatics
Title, course number
- Books and book-chapters published**



Sr No.	Author(s) Name	Title of the Book/Chapter	Publisher	Place and Year of publish	Pages (in case chapter)	
1.	Nidhi Mishra, Kamal Kumar Chaudhary	Drug targets for chalcones in malaria: in silico docking studies	LAP	Germany, 2018	64	

5. Research papers published in journals

- Dhirendra Kumar Bharti, Kamal Kumar Chaudhary, Sarvesh Kumar Gupta, **Nidhi Mishra** "Computational Identification of Protein Tyrosine Phosphatase IB Inhibitors for checking Type II Diabetes" Research & Reviews: Journal of Medical Science and Technology(2017) 6, (3), 21-25.
- Saurav K Mishra, Dhirendra Bharti, , **Nidhi Mishra** "Vdoc: A Medical Chatbot that Acts as a Virtual Doctor" Research & Reviews: Journal of Medical Science and Technology(2017) 6, (3), 16-20.
- Nimisha Roy, Mehul Agrawal, Shubhangi Chaudhary, Vipin Tirkey, Amar Dhawaj, **Nidhi Mishra** "Review Article on Permeation Enhancers: A Major Breakthrough in Drug Delivery Technology" IJPSR. (2017)8(3): 1001-1011.UGC LIST NO 2745

Title of the article, Journal, Volume (number), Year, Page numbers (inclusive), all authors (initials first)

Note: Please avoid duplication from last year's report. *In Press* papers will be deleted if they have not **actually appeared by 31st March, 2018.**

Underline the name of the author for correspondence.

- Average Impact Factor of all publications and name of the major journal in which publication are made.** 1.00
- Seminars and invited talks presented:**
Deieverd Invited Talk on "Green Chemistry" in the National Conference on Envirrnmental pollution: Burden and Strategies for Control, Organized by Department of Chemistry, Isabella Thoburn College, Lucknow, March 27-28, 2018.



Title, Organization, Date

8. Conferences attended outside IIIT Allahabad

1. Potential lead Identification through in silico studies for Pancreatic lipase protein Sonal Upadhyay¹ Suraj Kumar Tiwari² **Dr.Nidhi Mishra**.³ , BioSangam 2018, MNIT Allahabad, 9-11 March 2018.

2. In silico Docking studies and Potential lead identification against DPP -IV for treatment of Type –II Diabetes , Nishtha Singh¹, Ajeet Kumar Yadav², **Nidhi Mishra**, BioSangam 2018, MNIT Allahabad, 9-11 March 2018.

Conference, Venue, Dates, Type of participations, e.g. Chairing Session, presenting invited or contributed paper, panelist in discussion, any other)



Annual Report 2017-18



Dr. Neetesh Purohit



- Name, Department & Designation: Dr. Neetesh Purohit**
- Teaching/Research/Industry Experience:**
Teaching/Research: 15
- Research papers published in journals**

Sr. No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1.	Mahendra Kumar Shukla, <u>Suneel Yadav</u> , and Neetesh Purohit	Joint Impact of Co-Channel Interference and Channel Estimation Error on Outage Performance of Cellular Two-Way Relay Networks	Springer-Wireless Personal Communications	DOI:10.1007/s11277-018-5838-7	2018	
2.	Mahendra Kumar Shukla, <u>Suneel Yadav</u> , and Neetesh Purohit	Cellular Multiuser Two-Way Relay Network with Co-Channel Interference and Channel Estimation Error: Performance Analysis and Optimization	IEEE Transactions on Vehicular Technology	67(4)	2018	3431-3446
3.	Abhishek Kumar, <u>Suneel Yadav</u> , and Neetesh Purohit	Generalized Rational Sampling Rate Conversion Polyphase FIR Filter,”	IEEE Signal Processing Letters	24(11)	2017	1591-1595

- Average Impact Factor of all publications and name of the major journal in which publication are made.**
IEEE Transactions on Vehicular Technology: IF 4.432
IEEE Signal Processing Letters: IF 2.813
Wireless Personal Communication, Springer: IF 1.20

- Research papers published in conference proceedings (as a full paper)**

Sr No.	Author(s) Name	Title of the Article	Conference	Year	page
1.	Mahendra Kumar Shukla, <u>Suneel Yadav</u> , and Neetesh	Effect of Channel Estimation Error on Multiuser Two-Way	Conference on Information & Communication Technology (CICT - 2017),	2017	1-6





	Purohit	Relaying with Asymmetric Data Rates	IEEE		
2.	Suneel Yadav, Mahendra Kumar Shukla, and Neetesh Purohit	Performance Evaluation of Rate-Aware Multiuser Two-Way Fixed Gain Relay Networks	Conference on Information & Communication Technology (CICT - 2017), IEEE	2017	1-6
3.	Nidhi Verma, Pankaj Kumawat, Dr. Pooja Mishra, Dr. Neetesh Purohit,	Development of Semi-Supervised Classifier for SAR Image Pattern Recognition	IEEE Conference INDICON 2017	15-17 Dec 2017	1-5

6. Seminars and invited talks presented:

'The Scope of research in the Communication Engineering,' at Laxmi Narayan College of Technology Bhopal, 19th Jan 2018.

'The Fascination of Science and Technology', DST-INSPIRE programme at Avadesh Pratap Singh University, Rewa (MP) Nov 27 - Dec 1, 2017.

7. Conferences attended outside IIIT Allahabad

IEEE Conference on Information & Communication Technology (CICT-2017), ABV-IIITM Gwalior (MP), November 3-5, 2017, Chairing a session.

8. Work done in project undertaken in the Institute:

Principal Co-Investigator of the IIITA-AVIRAL project

Co-Investigator of Design Innovation Center (DIC) spoke of IIT-BHU hub

9. Other Activities

(a) Technology Developed

Dynamic Antenna Assembly System
Development of D2D protocol testbeds for Android

(b) Software Developed

Aviral, FINAPP, ROJAPP

(c) Industry visited and visits to other Institutes for research

Amitech Pvt. Ltd. New Delhi

(d) Any other important activity not specified above

Associate Dean (Admission, Assessment and Award),
Member of Academic Ethics Cell IIT Kanpur,
Chairman of CCLCAA Draft Ordinance Committee,
Chairman of Standing Technical Committee (STC-II),
President of IIITA Employee Welfare Society (IEWS),



Annual Report 2017-18



Dr. Pooja Mishra

1. Name, Department & Designation:

Dr. Pooja Mishra, Assistant Professor, Department of Electronics and Communication Engineering.

2 Teaching/Research/Industry Experience:

Teaching/Research: 4 years

3. Conferences attended outside IIIT Allahabad- Yes

16th Chhattisgarh Young Science Congress, 27-28 Feb, 2018, Durg, Chhattisgarh.
(Jury Member)





Dr. Pragya Singh

- Name, Department & Designation:**
Dr. Pragya singh, Assistant professor, Department of management studies, IIITA.
- Teaching/Research/Industry Experience:** 12 YEARS
- Books and book-chapters published:** 01 CHAPTER IN EDITED BOOK.

Sr No.	Author(s) Name	Title of the Book/Chapter	Publisher	Place and Year of publish	Pages (in case chapter)	YEAR
1.	MR. PURAV PARIKH & DR. PRAGYA SINGH	(EDITED BOOK) ON BIG DATA ANALYTICS ; CONTRIBUTED CHAPTER “ <u>NEED FOR DEVELOPING INTELLIGENT INTERFACES FOR BIG DATA ANALYTICS IN THE MICROFINANCE INDUSTRY</u> ”	SPRINGER ANNUAL CONVENTION OF THE COMPUTER SOCIETY OF INDIA	PROCEEDINGS OF CSI 2015	PAGES 1-5.	2017

- Seminars and invited talks presented:**
 - INVITED TALK ON “START-UP, DESIGN INCUBATION & ENTREPRENEURSHIP ON 16.11.2017, AT GOVERNMENT (RAJKIYA) ENGINEERING COLLEGE, AZAMGARH, UP.
 - INVITED TALK ON “‘GENERAL MANAGEMENT’, AT REGIONAL TRAINING INSTITUTE, ALLAHABAD (INDIAN AUDIT & ACCOUNTS DEPARTMENT), UP ON 22.11.2017.
- Conferences attended outside IIIT Allahabad**
 - PARTICIPANT, PROFESSIONAL DEVELOPMENT PROGRAM ON LEADERSHIP COMMUNICATION, JULY 17-18, 2017, HARVARD DIVISION OF CONTINUING EDUCATION AT HARVARD UNIVERSITY, BOSTON, UNITED STATES OF AMERICA.
- Work done in project undertaken in the Institute:** “ONE TIME SEED MONEY PROJECT” OF RS. 10, 000, 00/- GRANTED BY IIITA.
PROJECT TITLE: IMPACT OF DIGITAL MARKETING STRATEGIES IN TOURISM INDUSTRY
 - NATURE OF PROJECT:** DIGITAL MARKETING MANAGEMENT
 - SINGLE
 - TITLE OF THE PROPOSED PROJECT:** IMPACT OF DIGITAL MARKETING STRATEGIES IN TOURISM INDUSTRY.



Annual Report 2017-18



d) **NAME OF THE INVESTIGATOR:** DR. PRAGYA SINGH, 0532-2922174, PRAGYABHARDWAJ@IIITA.AC.IN, 07897386365, DEPARTMENT OF MANAGEMENT STUDIES, IIIT- ALLAHABAD.

7. **Training Programme organized:** ORGANIZED TWO DAY WORKSHOP ON “COMMUNICATION CONNECT”, ON 27TH-28TH OCTOBER, 2017 IN COLLABORATION WITH DEPARTMENT OF IT, AT IIITA.

8. **Other Activities**

(A) ***Any other important activity not specified above***

- a. NOMINATED RESOURCE PERSON FOR DELIVERING LECTURES AT REGIONAL TRAINING INSTITUTE, ALLAHABAD (INDIAN AUDIT & ACCOUNTS DEPARTMENT) ALLAHABAD ON 03RD JANUARY, 2018.
- b. PROPOSED COMMUNICATION SKILLS LAB (SET UP ONGOING) FOR B.TECH STUDENTS AS ON 29TH AUGUST 2016 –TILL DATE, INDENTER OF RS. 55, 000, 00/- LAC INR AT IIITA.





Dr. Pramod Kumar



1. Name, Department & Designation:

Dr. Pramod Kumar, Assistant Professor Spintronics and Magnetic Materials Laboratory Department of Applied Sciences

2. Research papers published in journals

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1	Faizan Ahmad, Rashmi Singh, Prasanna Misra, Naresh Kumar Rachana Kumar and Pramod Kumar	FABRICATION OF A P-N HETEROJUNCTION USING TOPOLOGICAL INSULATOR Bi_2Te_3 - SI AND ITS ANNEALING RESPONSE	JOURNAL OF ELECTRONIC MATERIALS	10.1007/s11664-018-6609-7	2018	
2	Rachana Kumar and Pramod Kumar	Correlation between magnetocaloric effect and hall effect in $\text{Sr}_4\text{Ru}_3\text{O}_{10}$	Material Research Express	4	2017	026104.
3	Rashmi Singh , Puneet Jain , Naresh Kumar	Comparative study of Co_2MnSi structural and surface morphological thin films on Si/ SiO_2 ,	Adv. Mat. Proce.,	2(2),	2017	76-79.
4	Kashif Nazeer, Rashmi Singh ¹ , Faizan Ahmed, Rachana Kumar, Naresh Kumar, Animesh K. Ojha , Sunil Singh Kushvaha and Pramod Kumar	Evidence for existence of forbidden indirect optical band gap transitions and observation of spin injection from Co_2CrAl into Silicon	Scientific Report (Under Review)		2018	

3. Seminars and invited talks presented:

I. Topological materials and applications, Max-Planck-Institute for Chemical Physics of Solids Dresden Germany, 12-07-2017.





4. **Conferences attended outside IIIT Allahabad**

I. INTERNATIONAL CONFERENCE ON STRONGLY CORRELATED ELECTRON SYSTEMS 2017 held in PRAGUE, CZECH REPUBLIC from 17-07-2017 to 21-07-2017

Three oral presentations

1. Modification in properties of annealed MoO₃ thin films doped with Cobalt deposited by thermal evaporation technique
2. Broadband photovoltaic effect of p-type topological insulator Bi₂Te₃ films and n-type Si substrates
3. Magneto-thermal properties in Gd₅Si₂Ge₂: Effect of chemical and hydrostatic pressure

II. International conference on Magnetic Materials and Applications (ICMAGMA 2017), Hyderabad India, 1-3 February 2017

III. Max-Planck-Institute for Chemical Physics of Solids Dresden Germany, 10-07-2017 to 20-07-2017 for Research work and discussions

5. **Other Activities**

Awards and Honors

Abstract entitled "Combined giant inverse and normal magneto-caloric effect in single crystal of Ca₃Ru₃O₇" was selected for best poster award during ICMAGMA-2017



Dr. Prasanna Kumar Misra

1. Name, Department & Designation:

Dr. Prasanna Kumar Misra, Assistant Professor (On Contract)
Electronics and Communication Engineering

2. Teaching/Research/Industry Experience:

Teaching/Research: 4 years

3. New courses developed

Low Power System Design (ELPD730E)

4. Research papers published in journals:

- Divyesh Sachan, Manish Goswami and Prasanna Kumar Misra, "A High-Q Floating Active Inductor using 130nm BiCMOS Technology and Its Application in IF Band Pass Filter," Analog Integrated Circuits and Signal Processing 2018, pp. 1-9.
- Divyesh Sachan, Harshbardhan Kumar, Manish Goswami and Prasanna Kumar Misra, "A 2.4 GHz low power low phase-noise enhanced FOM VCO for RF Applications using 180nm CMOS Technology," Wireless Personal Communications 2018, Volume 101, Issue 1, pp 391–403.

5. Average Impact Factor of all publications and name of the major journal in which publication are made.

Average impact factor: 1.0

6. Research papers published in conference proceedings (as a full paper)

- Divyesh Sachan, Manish Goswami and Prasanna Kumar Misra, "Analysis of Modulation Schemes for Bluetooth-LE Module for Internet-of-Things (IoT) Applications," IEEE International Conference on Consumer Electronics, 2018.

7. Work done in project undertaken in the Institute:

Working as Co-Investigator of the project titled "Special Manpower Development Programme from chips to System Design (SMDP-C2SD)"

8. Other Activities

- Industry visited and visits to other Institutes for research*
Visited NIT Kurukshetra for MTech thesis Evaluation
- Participation in the High Level Industry Academia Interaction Program during summer*

Non-disclosure agreement was signed with United Microelectronics Corporation (UMC) and Innovations for High Performance Microelectronics (IHP) to access the commercial process design kits for designing and fabricating integrated circuits and systems.





Annual Report 2017-18



Dr. Pritish Kumar Varadwaj

1. Name, Department & Designation:

Dr. Pritish Kumar Varadwaj, Associate Professor, Dept of AS

2. Teaching/Research/Industry Experience:

Teaching/Research: 14 Years

3. New courses developed

Title, course number: Next Generation Sequencing Tools and Algorithms

Advance Data Analytics

Systems Biology

Functional genomics

Stringology (String Processing)

Biological Data Mining

Bioinspired Computation

Molecular Dynamics Simulation



4. Research papers published in journals

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
	Structure-based drug designing and simulation studies for finding novel inhibitors of heat shock protein (HSP70) as suppressors for psoriasis					
	S Mishra, A Kumar, PK Varadwaj, K Misra					
	Interdisciplinary Sciences: Computational Life Sciences 10 (2), 271-281					
	Identification of Novel Abiotic Stress Proteins in Triticum aestivum Through Functional Annotation of Hypothetical Proteins					
	S Gupta, Y Singh, H Kumar, U Raj, AR Rao, PK Varadwaj					
	Interdisciplinary Sciences: Computational Life Sciences 10 (1), 205-220					
	DeepInteract: Deep Neural Network Based Protein-Protein Interaction Prediction Tool					
	S Patel, R Tripathi, V Kumari, P Varadwaj					
	Current Bioinformatics 12 (6), 551-557					
	Pharmadoop: a tool for pharmacophore searching using Hadoop framework					
	R Semwal, I Aier, U Raj, PK Varadwaj					
	Network Modeling Analysis in Health Informatics and Bioinformatics 6 (1), 20					
	In silico characterization of hypothetical proteins obtained from Mycobacterium tuberculosis H37Rv					
	U Raj, AK Sharma, I Aier, PK Varadwaj					
	Network Modeling Analysis in Health Informatics and Bioinformatics 6 (1), 5					





Molecular docking and dynamics simulation study of flavonoids as BET bromodomain inhibitors

U Raj, H Kumar, PK Varadwaj

Journal of Biomolecular Structure and Dynamics 35 (11), 2351-2362

Computational modeling and analysis of prominent T-cell epitopes for assisting in designing vaccine of ZIKA virus

G Yadav, R Rao, U Raj, PK Varadwaj

Journal of Applied Pharmaceutical Science Vol 7 (08), 116-122

Transcriptomic analysis of soil grown T. aestivum cv. root to reveal the changes in expression of genes in response to multiple nutrients deficiency

S Gupta, BS Yadav, U Raj, S Freilich, PK Varadwaj

Frontiers in plant science 8, 1025

Identification of novel dysregulated key genes in Breast cancer through high throughput ChIP-Seq data analysis

U Raj, I Aier, R Semwal, PK Varadwaj

Scientific reports 7 (1), 3229

Unraveling long non-coding RNAs through analysis of high-throughput RNA-sequencing data

R Tripathi, P Chakraborty, PK Varadwaj

Non-coding RNA Research 2 (2), 111-118

Genome-wide analysis of miRNAs and Tasi-RNAs in Zea mays in response to phosphate deficiency

S Gupta, M Kumari, H Kumar, PK Varadwaj

Functional & integrative genomics 17 (2-3), 335-351

Title of the article, Journal, Volume (number), Year, Page numbers (inclusive), all authors (initials first)

Note: Please avoid duplication from last year's report. *In Press* papers will be deleted if they have not **actually appeared by 31st March, 2018.**

Underline the name of the author for correspondence.

5. **Average Impact Factor of all publications and name of the major journal in which publication are made.** 1.5

6. **Research papers published in conference proceedings (as a full paper)**

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page
	AM Prashant Kumar, Saurabh Gupta, Pritish Varadwaj	Docking-based screening of Ficus religiosa phytochemicals as inhibitors of human histamine H2 receptor	4th International Conference on Emerging Trends in Protein Science			



Annual Report 2017-18



Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

7. Conferences attended outside IIIT Allahabad

Conference, Venue, Dates, Type of participations, e.g. Chairing Session, presenting invited or contributed paper, panelist in discussion, any other)

8. Other Activities

(a) *Software Developed*

PHARMADOOP, Tool for pharmacophore Searching.





Dr. Rahul Kala



1. **Name, Department & Designation:**
Dr. Rahul Kala, Information Technology, Assistant Professor
2. **Teaching/Research/Industry Experience:**
Teaching/Research: 4 years
3. **Research papers published in journals**

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	Page

- R. Kala (2018) Routing-based navigation of dense mobile robots, *Intelligent Service Robotics*, 11(1): 25–39
- R. Kala (2018) On repelling robotic trajectories: coordination in navigation of multiple mobile robots, *Intelligent Service Robotics*, 11(1): 79–95.
- C.S. Pati, R. Kala (2017) Vision-Based Robot Following Using PID Control. *Technologies*, 5(2): 34.

Title of the article, Journal, Volume (number), Year, Page numbers (inclusive), all authors (initials first)

Note: Please avoid duplication from last year's report. *In Press* papers will be deleted if they have not **actually appeared by 31st March, 2018.**

Underline the name of the author for correspondence.

4. **Average Impact Factor of all publications and name of the major journal in which publication are made.** 0.933
5. **Seminars and invited talks presented:**
 - Mission Planning for Mobile Robotics, IEEE All India Students Young Professionals and Women in Computing 2017, IIIT Allahabad 29th September, 2017.
 - Vision and Motion Planning for Robotics, Sri Ramswaroop Memorial University, Lucknow, 5th October, 2017.
 - Robot Motion Planning, TEQIP-III Sponsored Workshop on Robotics & Computational Intelligence Techniques 2018, NIT Raipur, 9th February, 2018.
 - Making more out of your robotics school projects, IIIT Naya Raipur, 9th February, 2018.

6. **Work done in project undertaken in the Institute:**

Mission Planning using Sampling Based Techniques: Considering the strong base developed as a result of the last year's research including numerous base modules, the project speared at a very fast pace. Two major techniques of mission planning were worked. The first approach solves the problem for a



single robot, while the input is a general expression with Boolean constraint called as a sub-task, temporal sequence of such sub-tasks called as the task, and a collection of such tasks all of which must be performed called as a mission. The developed approach suggests to solve for all tasks separately and use Dynamic Programming to knit together the sequences of all tasks to make a solution for a mission. However, optimal task solutions do not knit together to produce the optimal mission solution. Hence the Dynamic Programming is used as a local search along with Genetic Algorithm as a mission solver. By experiments it was observed that Dynamic Programming provides an accelerated search as compared to a solution using Genetic Algorithm alone.

In another approach, the problem was solved for multiple robots, however not using any temporal constraints. The motive was to use a decentralized approach. Hence the input expression with Boolean constraints was first broken into a OR of AND unit format. Thereafter every OR unit was solved separately and the best solution was taken. Each unit is a multi-robot travelling salesman problem. So solve the same first the units were geographically clustered. Then each cluster was assigned a robot. Finally, every robot sequenced the visit order of mission sites using Genetic Algorithm. The optimization of different units happen in parallel to maintain an iterative nature of the algorithm.

Towards Socialistic Navigation of Robots and Virtual Robotic Agents Part I: 3D Tacking of People: Since the equipment was not available, the research started by the use of a monocular camera. Numerous approaches using a monocular camera were tried. One of the approaches used a point tracker with KLT algorithm to track the human faces. Another approach tracked the on-road vehicles by subtraction of background using first frame as a reference, using morphological operations and Kalman filtering for tracking. The tracking of humans was also done by using Kinect camera that additionally has a depth sensor. The head matching was done by using Chamfer matching with head template and Kalman filter for tracking. The results were also fused with the results from RGB camera to produce better results.





Dr. Rajat Kumar Singh

1. Name, Department & Designation:

Dr. Rajat Kumar Singh, Associate Professor, ECE Department

2. Teaching/Research/Industry Experience:

Teaching/Research: **12 Years**

3. Research papers published in journals: 4

- i. Prashant Singh, Rajesh Kumar Jha, **Rajat Kumar Singh** and B. R. Singh, "Impact of process parameters on the structural and electrical properties of metal/PZT/Al₂O₃/silicon gate stack for non-volatile memory applications," *Applied Physics A - Materials Science & Processing (Springer)*, 124:92, (published online on January 09, 2018).
- ii. Prashant Singh, **Rajat Kumar Singh** and B. R. Singh, "An approach to enhance memory retention capacity in MFIS structures using different insulating buffer layer," *Ferroelectronics (Taylor and Francis)*, Vol. 519, pp. 213-222, 2017.
- iii. Shiv Ram Dubey, Satish Kumar Singh and **Rajat Kumar Singh**, "Local SVD based NIR Face Retrieval," *Journal of Visual Communication and Image Representation, (Elsevier)*, Vol. 49, November 2017, pp. 141-152.
- iv. Manoj Tolani, Sunny Sharma, **Rajat Kumar Singh**, Kumar Shubham and Rajesh Kumar, "Two-Layer Optimized Railway Monitoring System using Wi-Fi and ZigBee Interfaced Wireless Sensor Network," *IEEE Sensors Journal*, Vol. 17, No. 7, pp. 2241-2248, April, 2017.

4. Average Impact Factor of all publication and name of the major journal in which publication are made: **approx. 2 (21 Journals) IEEE, Elsevier, Springer, Taylor & Francis**

5. Research papers published in conference proceedings: 2

- i. Soumit Samaddar Chaudhury, Seema Awasthi, and **Rajat Kumar Singh**, "Dual passband filter based on semicircular cavity substrate integrated waveguide using complementary split ring resonators," *IEEE AEMC 2017* pp. 1-2, India, December, 2017.
- ii. Ajay Kumar Tiwari, Seema Awasthi, and **Rajat Kumar Singh**, "Dual band half-mode substrate integrated waveguide leaky wave antenna with wide backward scanning," *IEEE AEMC 2017* pp. 1-2, India, December, 2017.

6. Conferences attended outside IIIT Allahabad: **One**

- i. International Conference on Antenna Innovations and Modern Technologies (iAIM-2017) and "Young Professionals in Space" during 24-26 November 2017 at Bangalore.





Annual Report 2017-18



Dr Ranjit Singh

- Name, Department & Designation:**
Dr Ranjit Singh, Associate Professor, Department of Management Studies
- Teaching/Research/Industry Experience: 14 years**
Teaching/Research: 14 years
- Books and book-chapters published**



Sr No.	Author(s) Name	Title of the Book/Chapter	Publisher	Place and Year of publish	Pages (in case chapter)	
1	Dr Sujit Deb and Dr Ranjit Singh	Mutual Fund Investment by Salaried Investors: Identifying the Determinants	Notion Press	New Delhi, 2018	Book	
2	Dr Mousumi Choudhury and Dr Ranjit Singh	Bancassurance Business in India	Notion Press	New Delhi, 2018	Book	
	Ms Chanchala Tiwari and Dr Ranjit Singh	Assessing the use of ICT in teaching learning process	Lambert Academic Publishing	Germany, 2017	Book	
3	Ms Chanchala Tiwari and Dr Ranjit Singh	An assessment of ICT implementation for English Language Teaching in secondary schools in Bihar (Book name: Explorations: Teaching and Learning English in India, Managing resources and integrating ICT)	British Council	India, 2018	34-46	
4	Ms Chanchala Tiwari and Dr Ranjit Singh	Teachers' Training for using ICT in Teaching Learning Process: An Expectation-Experience Gap Study, in Dey, P. (ed). Teacher Education in the era of Automation and Knowledge Inflation: Issues and Challenges	J.K. Books	Kolkata, 2017	203-220	



4. Research papers published in journals

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1	Dr Sujit Deb and Dr Ranjit Singh	Risk perception dynamics of mutual fund investment decisions	Iranian Journal of Management Studies	11(2)	2018	407-426
2	Jayashree Bhattacharjee and Ranjit Singh	Awareness about equity investment among retail investors: A kaleidoscopic view	Qualitative Research in Financial Market	9 (2)	2017	310-324
3	Sujit Deb and Ranjit Singh	Influence of Demographic and Socio-economic Variables on Investors' Risk Perception towards Mutual Fund: A Study on Bank Employees of Tripura	Bank Parikrama	XLII (1&2)	2017	94 – 116
4	Onam Jindal, Ranjit Singh, Nigamananda Biswas	Perception of Labourers' of the Tea Estates towards the Implementation of Welfare Facilities under the Factories Act, 1948	International Journal of Research in Management and Social Science	6 (2)	2018	111-119
5	Onam Jindal, Ranjit Singh, Nigamananda Biswas	Perception of Labourers' of the Tea Estates towards the Implementation of Welfare Facilities under the Plantation Labour Act, 1951	International Journal of Business and Management Invention	7 (5)	2018	37-45
6	Sujit Deb and Ranjit Singh	Does Gender Really Affect Awareness level about Mutual Fund Investment Decision? A Study of Bank employee of Tripura	IUT Journal of Advance Research and Development	2 (2)	2017	7-13
7	Sankhraj Roy, Ranjit Singh & Ramananda Singh	Impact of Financial Awareness on Financial Inclusion of Members of Self Help Groups: A Study in Tripura	Asian Journal of Research in Banking and Finance	7 (8)	2017	39-59
8	NM Leepsa and Ranjit Singh	Contribution of Bancassurance on the Performance of Bank: A Case Study of Acquisition of Shares in Max New York Life Insurance by Axis Bank	Journal of Business and Financial Affairs	6 (3)	2017	283-289
9	Sankhraj Roy,	Demand Factors that Influence	International Journal	6 (1)	2017	40-50



Annual Report 2017-18



Ranjit Singh & Ramananda Singh	Financial Inclusion of SHG Members in Tripura: An Analysis of the Barriers Based on Empirical Study	of Money, Banking and Finance			
--------------------------------	---	-------------------------------	--	--	--

Title of the article, Journal, Volume (number), Year, Page numbers (inclusive), all authors (initials first)

Note: Please avoid duplication from last year's report. *In Press* papers will be deleted if they have not **actually appeared by 31st March, 2018.**

Underline the name of the author for correspondence.

5. Seminars and invited talks presented:

- Delivered the Key note address in a National conference on emerging Business Practices organized by Institute of Management Studies, Banaras Hindu University, Varanasi on 7th March 2018

6. Conferences attended outside IIIT Allahabad

- Service Quality in Indian Banking Industry with respect to Information Security: An IT-governance Framework. International Conference on Recent Trends in Computational Engineering and Technologies, organized by Department of Computer Science and Engineering, Raja Rajeswari College of Engineering in association with IEEE Bangaluru Section on 17th and 18th of May 2018 **[IEEE Conference]**
- Impact of Social Media on Organizational Behaviour of Educational Institutions. International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing-2018 organized by Priyadarshini Engineering College on 28th and 29th January 2018 **(IEEE Conference)**
- Perception of English Language Teachers towards use of ICT for Teaching English: An Empirical Study. Second International Conference on Business and Economics organized by Faculty of Business Studies, University of Dhaka, Bangladesh on 30th and 31st October 2017.
- Measuring Customers' Satisfaction in Bancassurance Channel: An Investigation using GAP Model. Second International Conference on Business and Economics organized by Faculty of Business Studies, University of Dhaka, Bangladesh on 30th and 31st October 2017.
- Awareness towards Equity Investment: A Study in Barak Valley of Assam. Second International Conference on Business and Economics organized by Faculty of Business Studies, University of Dhaka, Bangladesh on 30th and 31st October 2017.

7. Training Programme organized:

- Management Development Programme on Behavioural Finance conducted at Kaziranga University, Jorhat, Assam on 16th December, 2017;
- One Week Summer School on Behavioural Finance at Department of Management Studies, Indian Institute of Information Technology, Allahabad from 15th June 2018 to 21st June 2018.





Dr. Ratan Kumar Saha

1. **Name, Department & Designation:**
Dr. Ratan Kumar Saha, Applied Sciences, Assistant Professor
2. **Teaching/Research/Industry Experience:**
Teaching/Research: 10 years
3. **Other Activities**
(a) ***Any other important activity not specified above***
Reviewer for DST projects. Two projects reviewed.
Reviewer for Biomedical Optics Express, OSA Journal.





Annual Report 2017-18



Dr. Rekha Verma

1. Name, Department & Designation:

Dr. Rekha Verma, Department of ECE, Assistant Professor

2. Teaching/Research/Industry Experience:

10 yrs (Teaching), 08yrs (Research) 10 months (Industry)
Total: 18 yrs and 10 months

3. Work done in project undertaken in the Institute:

Silicon Nanowires: Professional Compact Model of Scale Thermoelectric Figure of Merit for Energy Harvesting", Principle Investigator: Dr. Rekha Verma, funded by Young Scientist Scheme, DST, Govt. of India, (Duration: 2016-2019), Grant sanctioned: INR, 23 Lacs (appx). Status: Ongoing.

4. Training Programme organized:

Conducted a short term course on "Quantum Transport Phenomena" at IIT Gandhinagar from June 12- 21, 2017.

5. Other Activities

(a) *Industry visited and visits to other Institutes for research*

- I.* Indian Institute of Technology Kanpur
- II.* IIT Gandhinagar
- III.* HRI Allahabad



Dr Sangeeta Singh

1. **Name, Department & Designation:**
Dr Sangeeta Singh, Assistant Professor
2. **Teaching/Research/Industry Experience:** 08 years (Teaching+Research)
3. **New courses developed –**
 1. Cell culture Techniques
 2. Molecular Immunotechnology
4. **Research papers published in journals**
 - Sonali Mishra, **sangeeta Singh**, Krishna Misra. Restraining Pathogenicity in *Candida albicans* by Taxifolin as an Inhibitor of Ras1-pka Pathway. Mycopathologia, 2017. DOI 10.1007/s11046-017-0170-4.
 - Swechha Mishra Puneet Kumar, **Sangeeta Singh**. Structural analysis of protein lysyl oxidase: modelling and simulation Study. Journal of Biotech Research 8(1):9-17 · March 2017
 - Deepa Mishra, Gayatri Panda, Puneet Kumar and **Sangeeta Singh**. Novel drug delivery system for herbal formulation in cancer treatment. World Journal of Pharmaceutical Research 2017, vol.6 (15), 341-353.
 - Shilpi Verma, Prachi Srivastava, Vivek Verma, Swechha Mishra, **Sangeeta Singh**. *In silico* potential drug target identification against 4-aminobutyrate aminotransferase for Huntington diseases. Research and Reviews: Journal of Drug Design and Discovery 2017, vol.4 (3), 1-5.
 - Swechha Mishra, **Sangeeta Singh**. Identification of inhibitors against metastasis protein “Survivin”: In Silico Discovery using Virtual Screening and Molecular Docking. Pharmacosone magazine, 2018, doi: 10.4103/pm.pm_178_17.
5. **Average Impact Factor of all publications and name of the major journal in which publication are made.**
Average impact factor- 2.01
6. **Conferences attended outside IIIT Allahabad - 01**



Annual Report 2017-18



Dr. Shailendra Kumar



1. **Name, Department & Designation:**
Dr. Shailendra Kumar, Assistant Professor, Department of Management Studies

2. **Teaching/Research/Industry Experience:**
 Teaching/Research: 16

3. Research papers published in journals

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1.	Nandkeolyar, D., Pandey, N., Kiran, R., and Kumar, S.,	"Why do Indian SMEs fail and Succeed?: Insights from auto-component industry"	International Journal of Indian Culture and Business Management (Inderscience) (ABDC INDEXED)	Vol. 15, No. 1	July 2017	pp.82-99.

Title of the article, Journal, Volume (number), Year, Page numbers (inclusive), all authors (initials first)

Note: Please avoid duplication from last year's report. *In Press* papers will be deleted if they have not actually appeared by 31st March, 2018.

Underline the name of the author for correspondence.

4. Research papers published in conference proceedings (as a full paper)

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page
	Kumar, S., Goel, U., and Johri, A.	<i>Determinants for Financing IT Firms: A Study of Indian Investors</i>	International Conference on Economics and Development (ICED) titled "Inclusive Economic Growth: Rethinking the Development Process in a time of Paradigm Shift " organized by The International Institute of Knowledge Management (TIKM) at Colombo, (Sri Lanka)	5	15 th -16 th June 2017	pp 48-59





	Goel, U., Kumar, S., Singh, K., and Manrai, R.	Corporate Governance: Indian Perspective with Relation to Sarbanes Oxley Act	International Conference on Economics and Development (ICED) titled “ Inclusive Economic Growth: Rethinking the Development Process in a time of Paradigm Shift ” organized by The International Institute of Knowledge Management (TIKM) at Colombo, (Sri Lanka)	6	15 th -16 th June 2017	pp 60-72
--	--	---	---	---	--	----------

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

5. Conferences attended outside IIIT Allahabad

1. Agarwal, S., Kumar, S., and Goel, U. (2017). “*Stock Market Response to Information Diffusion through Internet Sources: A literature review and Future research Directions*”, International Conference on “Financial Markets and Corporate Finance (ICFMCF- 2017) ”, 07th -08th July 2017, organized by Vinod Gupta School of Management (VGSOM), Indian Institute of Technology Kharagpur.
2. Agarwal, S., Kumar, S., and Goel, U. (2017). “*Stock Market Response to Social Media and Internet News*”, Annual Conference on Banking and Finance (ACBFI 2017) on “Changing Contours of Indian Financial System”, 18-19 August, 2017, organized by IMI Bhubaneswar (Orissa).
3. Johri, A., Kumar, S., (2018). “*Key factors affecting consumers adoption of Internet Banking in Garhwal Region of Uttarakhand State : An Empirical Investigation*”, 18th International Business Horizon INBUSH ERA WORLD SUMMIT 2018, 7th – 9th February, 2018, organized by Amity University, Noida.
4. Johri, A., Kumar, S., and Rana, R. (2018). “*Socio-Economic factors Affecting Financial Literacy Among Investors of Rudraprayag Region of Uttarakhand State*”, International Conference on Economics & Finance (ICEF-2018), 16-17 February, 2018, organized by BITS Pilani (KK Birla Goa Campus).

6. Work done in project undertaken in the Institute:

1. Having IIITA Sponsored seed money Research Project titled “*Stock Market Response to Information Diffusion through Internet Sources: An empirical Study in Indian Context*” since November, 2017. (Work in progress)





Annual Report 2017-18



7. Training Programme organized:

1. Organized and Conducted a 2 day Short-term Programme on the topic “*Demystifying Finance (Finance for Non-Finance)*” on 22-23rd September, 2017 at Department of Management Studies, Indian Institute of Information Technology (IIIT-A) Allahabad.
2. Organized a 5 day GIAN (Global Initiative of Academic Networks) Course, under the aegis of Ministry of Human Resource Development (MHRD), Govt. of India, on the topic “*Hedge Funds and their Trading Strategies*” on 19th February - 23rd February, 2018 at Department of Management Studies, Indian Institute of Information Technology (IIIT-A) Allahabad.



Dr.Shashi Kant Rai

1. **Name, Department & Designation:**
Dr.Shashi Kant Rai, Management science, assistant professor.
2. **Teaching/Research/Industry Experience:**
Teaching/Research: 8 years
3. **Training Programme organized:**
One Week Summer School on Behavioral Finance 15th June – 21st June 2018



Sintu Kumar Samanta

1. **Name, Department & Designation:**
Sintu Kumar Samanta, Dept. of Applied Sciences, Assistant Professor

2. **Teaching/Research/Industry Experience:**
Teaching/Research: Five years

3. **New courses developed:** Eng. Biology (SENB630E)

4. **Research papers published in journals**

- Samanta SK, Singh A, Biswas P, Bhatt A and Visweswariah SS. 2017. Mycobacterial phenolic glycolipid synthesis is regulated by cAMP-dependent lysine acylation of FadD22. *Microbiology*. 163(3): 373-382.
- Samanta SK, Varghese SS, Krishnan D, Baidya M, Nayak D, Mukherjee S, Ghosh SK. 2018. A novel encystation specific protein kinase regulates chitin synthesis in *Entamoeba invadens*. *Molecular and biochemical Parasitology*. 220:19-27.
- Ghosh P, Rameshbabu AP, Das D, Subramanian BSP, Samanta S, Roy S, Pal S, Ghosh SK, Dhara S. 2018. Single-pot biofabrication of living fibers for tissue engineering applications. *Journal of Materials Research*. 33(14): 2019-2028.

5. **Average Impact Factor of all publications and name of the major journal in which publication are made:**

Impact factor for Microbiology: 2.268 Molecular and biochemical Parasitology: 2.080 Journal of Materials Research: 1.495

6. **Research papers published in conference proceedings (as a full paper)**

- A Mishra, A Basu, D Maheshwari, S Gupta, S Saxena, AK Sahoo, Samanta SK. 2018. Study of Antibacterial Activity of Cu NPs and Fluorescent C-Dots Based Nano-gel. *Journal of Nanoscience Nanoengineering and Applications*. 7 (3): 5-9.

7. **Work done in project undertaken in the Institute:**

We are currently working in our Institutional sponsored project entitled "Development of a Novel Nanocomposite to Combat the Biofilm Infections". We have standardized the protocol for synthesis of fluorescent C-dots from D-mannose by microwave based method. This synthesized C-dots showed characteristics emission at around 430 nm upon excitation at 320 nm (UV-light). These C-dots were further characterized by Transmission Electron Microscopy (TEM) and X-ray powder diffraction (XRD) analysis and its bactericidal effects have been investigated. Now, we are standardizing the catalytic synthesis of fluorescent Ag NCs and simultaneously analyzing its bactericidal effects.



8. **Training Programme organized:**

Organized at Dept. of Applied Sciences

Title: Flow Cytometry: Basic & Applications

Speaker: Dr. Vinay Gupta, BD Biosciences

Date: 20th June, 2018

Number of Participants: 25

Coordinators: Dr. Sintu Kumar Samanta and Dr. Amaresh Kumar Sahoo



Annual Report 2017-18



Dr. Sonali Agarwal



- 1 **Name, Department & Designation:**
Dr. Sonali Agarwal (Assistant Professor)
- 2 **Teaching/Research/Industry Experience:**
Teaching/Research: 16 years

3 Books and book-chapters published

Sr No.	Author(s) Name	Title of the Book/Chapter	Publisher	Place and Year of publish	Pages (in case chapter)
1.	Bharat Gupta, Shivam Awasthi, Rudraksha Gupta, Likhama Ram, Pramod Kumar, Bakshi Rohit Prasad, Sonali Agarwal	Taxi Travel Time Prediction Using Ensemble-Based Random Forest and Gradient Boosting Model	Advances in Big Data and Cloud Computing, Springer	Springer, Singapore, 2018	63-78
2.	Ashish Kumar Gupta, Prashant Varshney, Abhishek Kumar, Bakshi Rohit Prasad, Sonali Agarwal	Evaluation of MapReduce-Based Distributed Parallel Machine Learning Algorithms	Advances in Big Data and Cloud Computing, Springer	Springer, Singapore, 2018	101-111
3.	Bakshi Rohit Prasad, Sonali Agarwal	Performance Analysis and Optimization of Spark Streaming Applications Through Effective Control Parameters Tuning	Progress in Intelligent Computing Techniques: Theory, Practice, and Applications, Springer,	Springer, Singapore, 2018	99-110

4. **Average Impact Factor of all publications and name of the major journal in which publication are made.** h-index = 13
5. **Research papers published in conference proceedings (as a full paper)**





Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page
	Bharat Gupta, Shivam Awasthi, Parshant Singh, Likhama Ram, Pramod Kumar, Bakshi Rohit Prasad, <u>Sonali Agarwal</u>	Cross domain sentiment analysis using transfer learning	ICIIS	10.1109/ICIIN FS.2017.8300363	2017	1-5
	Ch Sarath Chandra Reddy, K Uday Kumar, J Dheeraj Keshav, Bakshi Rohit Prasad, <u>Sonali Agarwal</u>	Prediction of star ratings from online reviews	TENCON	10.1109/TEN CONSpring.2017.8069997	2017	1857 - 1861
	Rohit Raj, Rajat Kumar Sahu, Biki Chaudhary, Bakshi Rohit Prasad, <u>Sonali Agarwal</u>	Real time complex event processing and analytics for smart building	CICT	10.1109/INFO COMTECH.2017.8340594	2017	1-6
	A Bharadwaju, Y Pranay Kumar, K Anudeep, A Vamshi Krishna, Bakshi Rohit Prasad, <u>Sonali Agarwal</u>	Real time mining of ego networks for exploring social associations	CICT	10.1109/INFO COMTECH.2017.8340594	2017	1-6
	Gyayak Sanghi, Nalin Kanungo, Sagar Deshmukh, <u>Sonali Agarwal</u>	Automatic multi-label image annotation for smart cities	TENCON	10.1109/TEN CONSpring.2017.8069997	2017	1-4
	Vishal Chauhan, Ajay Pilaniya, Vishesh Middha, Arijit Gupta, Ujjain Bana, Bakshi Rohit Prasad, <u>Sonali Agarwal</u>	Anomalous behavior detection in social networking	ICCCNT	10.1109/ICCC NT.2017.8204141	2017	1-5

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

6. Seminars and invited talks presented: (Title, Organization, Date)

- Invited Talk in GIAN-MHRD sponsored course on "Parallel and Distributed Data Stream Mining" from 19th Dec 2017 to 23rd Dec 2017 at IIIT Allahabad





Annual Report 2017-18



- b) Invited Talk in GIAN course on " Numerical Methods for Transport Phenomena", from 26th-4th March 2018, at IIIT Allahabad.
- c) Invited Talk in "2nd Workshop on Machine Learning and Data Analytics", at IIIT Allahabad

7. Conferences attended outside IIIT Allahabad

- a) "Big Data Analytics: Recent Trends and Applications" during December 13-14,
- b) 2017 at Faculty of Engineering, University of Peradeniya, Sri Lanka.
- c) Joint organisation of the 1st International Workshop on Real-Time Stream Analytics and Machine Learning for Cyber-Physical Systems (RSM4CPS-2018) will be held at the Campus of IIT BHU Varanasi in conjunction with 19th International Conference on Distributed Computing and Networking (ICDCN 2018) on January 4th 2018.

8. Work done in project undertaken in the Institute:

- a) Real Time Complex Event Processing and Analytics for Smart Buildings, Department of Science & Technology
- b) Medical Cyber-Physical System for lifestyle diseases using Big Data Analytics, ASEAN-India Science & Technology Development Fund, (AISTDF), under ASEAN-India collaborative R&D program
- c) Stream Analytics for Processing Big Data in motion for Real Time Responses, IIIT Allahabad

9. Training Programme organized:

- a) GIAN-MHRD sponsored course on "Parallel and Distributed Data Stream Mining" from 19th Dec 2017 to 23rd Dec 2017 at IIIT Allahabad





Dr. Soumyadev Maity

- Name, Department & Designation:**
Dr. Soumyadev Maity, Assistant Professor (I.T.)
- Teaching/Research/Industry Experience:** 43 Months
Teaching/Research: 43 Months
- New courses developed**
Title, course number “Intrusion Detection Systems” ; Pending for Approval.

4. Research papers published in journals

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
	Soumyadev Maity and R. C. Hansdah	A design and classification framework for routing protocols in MANETs	International Journal of Wireless and Mobile Computing (IJWMC) 2017	Vol. 12, No. 4	July, 2017	364-383

- Average Impact Factor of all publications and name of the major journal in which publication are made.** NOT SCI INDEXED; SCOPUS INDEXED

6. Research papers published in conference proceedings (as a full paper)

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page
1	Dania Qara Bala, <u>S. Maity</u> , Sanjay Kumar Jena	Mutual authentication for IoT smart environment using certificate-less public key cryptography	IEEE Third International Conference on Sensing, Signal Processing and Security (ICSSS), Chennai, India.	DOI: 10.1109/SSP S.2017.8071559	May, 2017	29-34

Underline the name of the author for correspondence.
Please do not list conferences where only abstracts are published.





Annual Report 2017-18



Dr. Srijit Bhattacharjee

1. Name, Department & Designation:
Dr. Srijit Bhattacharjee, Applied Sciences, Assistant Professor
2. **Teaching/Research/Industry Experience:**
Teaching/Research: **11 years(9+2)**
3. **New courses developed**
General Relativity(SG NR240E), Quantum & Statistical Mechanics SQSM140E
Add on courses: Introduction to Tensor analysis, Introduction to Nonlinear Dynamics, Path Integral methods and Applications

4. Research papers published in journals

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
	Srijit Bhattacharjee, Sudipta Sarkar	No hair theorem for static and stationary reflecting star	Physical Review D	95	2017	084027

4. **Average Impact Factor of all publications and name of the major journal in which publication are made.** Physical Review D, IF- 4.568
5. **Seminars and invited talks presented:**
 1. Inner horizon instability of black holes, Bremen-Oldenburg Relativity seminar, University of Oldenburg, on 18 June, 2018.
 2. Inner horizon instability of black holes, seminar delivered AEI, Potsdam, Germany, on 12 June, 2018.
 3. Mass inflation instability in Black Holes, seminar delivered at AEC, University of Bern, Switzerland, on 29 May, 2018.
 4. Near horizon structure of black holes, invited talk at the Centre for Theoretical Physics, Jamia Millia Islamia, New Delhi, January 30, 2018.
 5. Near Horizon Physics of Black Holes, Seminar at the department of Physics, IIT BHU, September 1, 2017.
 6. Mass Inflation instability in Black Holes, seminar at the department of Physics, IIT Guwahati, May 24, 2017.
 7. Internal structure of AdS Black Holes, contributed talk in the parallel session of Classical gravity at 29-IAGRG meeting, IIT Guwahati
6. **Conferences attended outside IIT Allahabad 29 IAGRG Meeting, IIT Guwahati. Talk given in the parallel session of Classical gravity.**





7. Work done in project undertaken in the Institute:

On Late Time Tails in an Extreme Reissner-Nordström Black Hole: Frequency Domain Analysis, Srijit Bhattacharjee, Bidisha Chakrabarty, David D. K. Chow, Partha Paul, and Amitabh Virmani. arXiv: 1805.10655 (submitted to the journal Classical & Quantum Gravity).

8. Training Programme organized:

Co organizer of Workshop on (ExpEYES), Interfacing Physics Experiments to Convert your PC into Physics Laboratory, 21-22 April, 2018.

9. Other Activities

(a) Industry visited and visits to other Institutes for research

1. June 06 - June 13, Max Planck Institute for Gravitational Physics (AEI), Potsdam, Germany.
2. June 13-21, 2018; Institute for Physics, University of Oldenburg, Germany.
3. May 27- June 06, 2018 Albert Einstein Centre for Fundamental Physics, University of Bern, Switzerland.

(b) Awards and Honors

Early Career Research Award for the project titled Near Horizon Structure of Black Holes, sponsored by DST-SERB India.

(c) Any other important activity not specified above Research papers under review

1. On Late Time Tails in an Extreme Reissner-Nordström Black Hole: Frequency Domain Analysis, **Srijit Bhattacharjee**, Bidisha Chakrabarty, David D. K. Chow, Partha Paul, and Amitabh Virmani. arXiv:1805.10655 (submitted to CQG)
2. "Soldering freedom and BMS-like transformations," Srijit Bhattacharjee, and Arpan Bhattacharyya, arXiv:1707.01112. (submitted to PRD)





Dr. Sudipta Das

- 1 Name, Department & Designation:
Dr. Sudipta Das, MS Dept, Assistant Professor
- 2 **Teaching/Research/Industry Experience:**
Teaching/Research: 2.5 Years, Industry 11, Total: 13.5
3. **Average Impact Factor of all publications and name of the major journal in which publication are made.**
 - a) Das, S. (2015), Empirical Evidence of Conditional Asset Pricing in Indian Stock Market, Economic Systems, Vol.39(2), pp.225-239, (ABDC-B)
 - b) Das, S. and Barai, P. (2015), Time-varying Industry Beta in Indian Stock Market and Forecasting Errors, International Journal of Emerging Markets, Vol. 10(3), pp. 521-534, (ABDC-C).
 - c) Das, S. and Barai, P. (2016), Size, Value and Momentum in stock returns: Evidence from India, Macroeconomics and Finance in Emerging Market Economies, Vol. 9(3), pp. 284-302, (SCOPUS Indexed).
 - d) Das, S. and Barai, P. (2017), The role of non-marketable assets in composition of the market portfolio: Evidence from India, Asian Journal of Business and Accounting, Vol. 10(2), pp. 77-104, (ABDC-C).





Dr. Sumit Kumar Upadhyay



1. **Name, Department & Designation:**
Dr. Sumit Kumar Upadhyay, Assistant Professor (Mathematics)
Department of Applied Sciences, IIIT, Allahabad
2. **Teaching/Research Experience:** 03years 10 months (till March 31, 2018)
2. **Research papers published in journals:**

Sr. No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	Page
1	Sumit Kumar Upadhyay, <u>Shiv Datt Kumar</u> , Raja Sridharan	Projective modules and efficient generation of ideals over Laurent polynomial rings	Proceedings of the National Academy of Sciences, India Section A: Physical Sciences 2017 Impact Factor: 0.754	87(3)	2017 (September)	349 - 353

3. **Average Impact Factor of all publications and name of the major journal in which publication are made:** 0.754 and Proceedings of the National Academy of Sciences, India Section A: Physical Sciences
4. **Work done in project undertaken in the Institute:** Submitted an article ``On example of kernel of locally nilpotent derivation on $k[X_1, X_2, X_3, X_4, X_5]$ ” in a journal.





Annual Report 2017-18



Dr. Suneel Yadav



1. Name, Department & Designation:
Dr. Suneel Yadav, ECE, Assistant Professor
2. **Teaching/Research/Industry Experience:**
Teaching/Research: 3 years and 1 months, Industry 4 months
Total: 3 years and 5 months
3. **Research papers published in journals**

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1.	Mahendra Kumar Shukla, <u>Suneel Yadav</u> , and Neetesh Purohit	Joint Impact of Co-Channel Interference and Channel Estimation Error on Outage Performance of Cellular Two-Way Relay Networks	Springer-Wireless Personal Communications	DOI:10.1007/s11277-018-5838-7	2018	
2.	<u>Suneel Yadav</u>	Three-Phase Two-Way Relaying with Imperfect Channel Estimation and Asymmetric Traffic Requirements: Performance Analysis and Optimization	Springer-Wireless Networks	DOI:10.1007/s11276-018-1707-2	2018	
3.	Mahendra Kumar Shukla, <u>Suneel Yadav</u> , and Neetesh Purohit	Cellular Multiuser Two-Way Relay Network with Co-Channel Interference and Channel Estimation Error: Performance Analysis and Optimization	IEEE Transactions on Vehicular Technology	67(4)	2018	3431-3446
4.	Abhishek Kumar, <u>Suneel Yadav</u> , and Neetesh Purohit	Generalized Rational Sampling Rate Conversion Polyphase FIR Filter,”	IEEE Signal Processing Letters			
5.	Ashish Kant Shukla and <u>Suneel Yadav</u>	Performance Analysis of Incremental Hybrid Decode-Amplify-Forward Cooperative Relaying with Relay Selection in Nakagami-m Fading Channels	Computers and Electrical Engineering, Elsevier	DOI: 10.1016/j.compeleng.2017.11.003,	2017	





Title of the article, Journal, Volume (number), Year, Page numbers (inclusive), all authors (initials first)
Note: Please avoid duplication from last year's report. *In Press* papers will be deleted if they have not **actually appeared by 31st March, 2018.**

Underline the name of the author for correspondence.

4. Average Impact Factor of all publications and name of the major journal in which publication are made.

IEEE Transactions on Vehicular Technology: IF 4.432
IEEE Signal Processing Letters: IF 2.813
Wireless Personal Communication, Springer: IF 1.20
Wireless Networks, Springer: IF 1.981
Computers and Electrical Engineering, Elsevier: IF 1.74

5. Research papers published in conference proceedings (as a full paper)

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page
1.	Harshit Anand, Ayush Agarwal, Pooja Shukla, and <u>Suneel Yadav</u>	Smart Charging of Electric Vehicles in Grid-to-Vehicle (G2V) Networks	International Conference and Exhibition on Smart Grids and Smart Cities		2018	
2.	Mahendra Kumar Shukla, <u>Suneel Yadav</u> , and Neetesh Purohit	Effect of Channel Estimation Error on Multiuser Two-Way Relaying with Asymmetric Data Rates	Conference on Information & Communication Technology (CICT - 2017), IEEE		2017	1-6
3.	<u>Suneel Yadav</u> , Mahendra Kumar Shukla, and Neetesh Purohit	Performance Evaluation of Rate-Aware Multiuser Two-Way Fixed Gain Relay Networks	Conference on Information & Communication Technology (CICT - 2017), IEEE		2017	1-6

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

6. Seminars and invited talks presented:

1. Cooperative Relaying Techniques for 5G Networks, Indian Institute of Information Technology, June 1-10, 2018.

7. Conferences attended outside IIIT Allahabad

Conference on Information & Communication Technology (CICT - 2017), IEEE, ABV-IIITM Gwalior, 3-5 November, 2017, Chairing Session.



Annual Report 2017-18



8. Training Programme organized:

1. Organized the TopBot 3.0 Robotics Event in Aparoksha, 2018 from 16-18 March, 2018, at IIIT Allahabad.
2. Organized a Workshop on IoT using Raspberry Pi during 11-12 November 2017 in IIIT Allahabad.

9. Other Activities

(a) *Technology Developed*

1. Drone for Disaster Applications
2. Drone for Smart Farming and Agriculture
3. Smart Shopping Trolley
4. Smart Surveillance Tank
5. Wearable Livestock Health Monitoring System
6. Fully Automatic Solar Powered Robotic Lawn Mower

(b) *Continuing Education Activities*

Summer Camp on Internet of Things & Unmanned Aerial Vehicle, Self-Finance, IIIT Allahabad, 01-10 June, 2018, UG/PG students.





Dr. Sunny



1. **Name, Department & Designation:**
Dr. Sunny, Assistant Professor, ECE Deptt.

2. **Teaching/Research/Industry Experience:**
Teaching/Research: 3 years

3. **New courses developed**
Title, course number
1. Testing and Verification (Theory)-ETNV140C
2. Testing and Verification (Lab)-ETNV140C
3. Optoelectronic devices and circuits (Theory)-EODC,
4. Photonic Sensors
5. Thin-Film Science and Technology

4. Research papers published in journals

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1.	Vibhu Srivastava, M. Tolani, <u>Sunny</u> , Rajesh Kumar,	Design and Simulation of $\text{Ge}_2\text{Sb}_2\text{Te}_5$ Vertical Photodetector for Silicon Photonic Platform	<i>IEEE Sensors Journal</i> ,	<i>Vol. 18, No.2</i>	<i>January 15, 2018</i>	<i>pp. 540- 546,</i>

Title of the article, Journal, Volume (number), Year, Page numbers (inclusive), all authors (initials first)

Note: Please avoid duplication from last year's report. *In Press* papers will be deleted if they have not **actually appeared by 31st March, 2018.**

Underline the name of the author for correspondence.

5. **Average Impact Factor of all publications and name of the major journal in which publication are made.** 2.62

6. Research papers published in conference proceedings (as a full paper)

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page
1.	<u>Ajay Beniwal</u> , Suraj Lalwani and Sunny	"Ag Doped SnO_2 Sensor for Ethanol with High Sensitivity at Room Temperature,"	<i>National Conference on Advanced Materials and Nanotechnology</i> , India, (AMN-2018),	(Accepted for Publication in AIP Proceedings).	March 15-17, 2018	



Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

7. Work done in project undertaken in the Institute:

(i) Sponsored Project-1

Title: Investigations on Chalcogenide Photodetectors

Budget: 52.48 lac

Duration: 3 years

Sponsored by: SERB, Department of Science and Technology (DST), Ministry of Science and Technology, India

Start Date: 09 October, 2017

Brief Summary of the Project:

This research proposal aims to study a crucial application of photo-detection of the photodetector devices made up of chalcogenide materials. This work aims to incorporate the design, simulation, fabrication and testing of chalcogenide photodetectors for some crucial parameters like good responsivity, efficiency and good photoluminescence. The successful outputs of the proposed investigation may have huge scope in optoelectronic application, all-photonic system interfaces and integrated optical circuits.

(ii) Sponsored Project-2

Title: Investigations on Conducting Polymer based Gas Sensors for Industrial Applications

Duration: 3 years

Budget: 10 lac

Start Date: May, 2017

Sponsored by: IIIT-Allahabad, India (for One-Time Seed Money Grant)

Brief Summary of the Project:

The conducting polymer and metal oxides based gas sensors will be investigated for detection and concentration estimation of hazardous gases like NH_3 , H_2S , CH_4 , CO , NO_2 and VOCs with high selectivity and sensitivities at lower temperature (or RT). After successful fabrication of single sensor element, sensor array may be developed for Electronic-Nose (E-Nose) applications, which may be further investigated for industrial use. The successful output of the proposed work may have much industrial, agriculture, environmental, medical and domestic applications.

Name and type of the course organized (Self-financing, Industry),

Place, Dates, and profile of participants (university/industry)





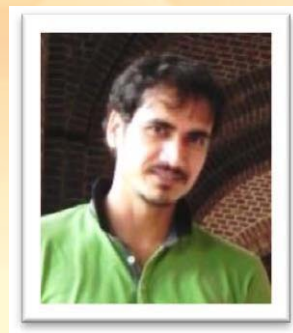
Dr. Triloki Pant

1. Name, Department & Designation:

Dr. Triloki Pant, Department of Information Technology, Assistant Professor

2 Teaching/Research/Industry Experience:

8 Years 9 Months (Teaching), 12 Years (Research) Teaching/Research: Total: As above



3. Books and book-chapters published: One chapter in the book

Sr No.	Author(s) Name	Title of the Book/Chapter	Publisher	Place and Year of publish	Pages (in case chapter)	
1	Triloki Pant	"The Impact of MOOC on Education System: The Current Scenario and the Future" (Title of the Book: Library and Information Science in the Age of MOOCs)	IGI Global	2018	178-190	

4. Average Impact Factor of all publications and name of the major journal in which publication are made. Major Journals:

- Advances in Space Research (Elsevier)
- Geomatics, Natural Hazards and Risk (Taylor and Francis)

5. Work done in project undertaken in the Institute:

The One time Seed Money has been sanctioned on 15th June 2018.

6. Training Programme organized:

- One day workshop on Intel Nervana AI Academy for students on 16th Nov. 2017 at IIITA
- 2 Days Certificate Program (Self-Financed) on Effective Image Processing Tools for Novice: Learn Image Processing for Contemporary Applications (Dec. 1st -2nd, 2017)

7. Other Activities

(a) Any other important activity not specified above

- Participated in the 16th Chhattisgarh Young Scientist Congress-2018, 27th-28th February 2018 at Durg University, Durg (CG), as a member of Jury.





Annual Report 2017-18



Dr. Utkarsh Goel



- 1 **Name, Department & Designation:**
Dr. Utkarsh Goel, Assistant Professor Dept. of Management Studies
- 2 **Teaching/Research/Industry Experience:**
Teaching/Research: 4.7, Industry 1, Total: 5.7
- 3 **New courses developed**
Title, course number Management thought and Environment

4. Research papers published in conference proceedings (as a full paper)

Sr No.	Author(s) Name	Title of the Article	Conference	Paper	Year	page
1.	Utkarsh Goel, Shailendra Kumar, Kuldeep Singh	Corporate Governance: Indian Perspective with relation to Sarbanes Oxley Act	International Conference on Economics and Development (ICED 2017)	6	2017	60
2.	Utkarsh Goel, Shailendra Kumar, Amar Jauhari	Determinants for financing IT firms: A study of Indian Investors	International Conference on Economics and Development (ICED 2017)	5	2017	48

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

5. Conferences attended outside IIIT Allahabad

Conference, Venue, Dates, Type of participations, e.g. Chairing Session, presenting invited or contributed paper, panelist in discussion, any other)

1. Annual Conference on Banking & Finance, International Management Institute Bhubaneswar, August 18 - 19, 2017, Presenter, Stock Market Response to Social Media and Internet News",.
2. International Conference On Financial Markets And Corporate Finance 2017, VGSOM, IIT Kharagpur, July 7 – 8, 2017, Presenter, "Stock Market Response to Information Diffusion through Internet Sources: A literature review and Future research Directions".

6. Work done in project undertaken in the Institute:

IIITA Seed Money Project: Stock Market Response to Information Diffusion through Internet Sources: An empirical Study in Indian Context. Work Started. One research paper submitted for review.

7. Training Programme organized:

1. Conducted self financed short term course titled: Demystifying Finance. from 22 Sep, 2017 to 23 Sep, 2017
2. Conducted a GIAN course on 'Hedge Funds and their Trading Strategies' under the aegis of GIAN (Global Initiatives of Academic Networks) sponsored by MHRD (Ministry of Human Resource Development) at Indian Institute of Information Technology, Allahabad from 19th-23rd February 2018.





Dr. Vijaishri Tewari

1. Name, Department & Designation:

Dr. Vijaishri Tewari, Department of Management Studies, Associate Professor

2. Teaching/Research/Industry Experience:

Teaching/Research: 14yrs

3. Research papers published in conference proceedings (as a full paper)

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page
1	Pandiya, B., Tewari, V. and Dubey, R.S	Paper titled "An identification of dimensions able to attract the potential workforce for I.T. industry in India"	IEEE International Conference on Industrial Engineering and Engineering Management held at Suntec Convention & Exhibition Centre, Singapore		10 to 13 Dec, 2017	260-263
2	Pandiya, B., Tewari, V. and Dubey, R.S	Paper titled "Soft Approach Towards Gaining Employability in IT Professionals"	IEEE International Conference on Industrial Engineering and Engineering Management held at Suntec Convention & Exhibition Centre, Singapore		10 to 13 Dec, 2017	299-303

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

4. Seminars and invited talks presented:

Title, Organization, Date

- **Invited Talk on Women Empowerment: Faces of Indian Women**, Hanswahini Group of Institutions, Sept'17
- **Key note address** at "Human Resource Management in World of Information Technology" held on 2nd & 3rd December 2017(Saturday and Sunday) at STEP-HBTI, HBTU Campus, Kanpur.





Annual Report 2017-18



Dr. Vijay Kumar Chaurasiya

- Name, Department & Designation:**
Dr. Vijay Kumar Chaurasiya, Associate Professor
- Teaching/Research/Industry Experience:**
Teaching/Research: 14
- New courses developed: One**
Title: Wireless Networks, course number: IWNS630E



4. Research papers published in journals

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1.	- Vijay K. Chaurasiya - Aditya K. Saxena	Multi-resolution texture analysis for fingerprint based age-group estimation	Journal of Multimedia Tools and Applications	77	2018	6051-6077
2.	- Shishupal Kumar - Vijay Kumar Chaurasiya	A multisensor data fusion strategy for path selection in Internet of Things oriented wireless sensor network (WSN)	Concurrency and Computation Practice and Experience		2018	E4477
3.	- Nidhi Lal - Shishupal Kumar - Vijay Kumar Chaurasiya	An adaptive neuro-fuzzy inference system-based caching scheme for content-centric networking	Soft Computing	April	2018	1-12

- Average Impact Factor of all publications and name of the major journal in which publication are made:** 1.674
- Work done in project undertaken in the Institute:**
 - Working on RFID based Real Time Traffic Management System and pollution control using Internet-of-Things (IoT) protocols under One Time Seed Money for Research to Assistant Professor. Amount: Rs. 10.0 Lacs.
 - Working on **Hindi to English Machine Translation System in Judicial Domain** funded by Diety, Gol. Grant Amount Rs. 208.44 Lacs.



3. Working on AVIAL project. A students academic progress management portal. Grant Amount Rs. 80.0 Lacs.
4. Got three funded projects from Design and Innovation Center (DIC) Project of MHRD, Govt. Grant Amount: Rs. 2.0 Lacs

7. Training Programme organized:

Conducted a one week Workshop on IoT using Raspberry Pi where participants get hands on experience of developing IoT Application using Raspberry Pi Board. The workshop was conducted from 01.11.2017 to 07.11.2017.



Annual Report 2017-18



Dr. Vineet Tiwari

1 **Name, Department & Designation:**
Dr. Vineet Tiwari, Assistant professor Department of management studies

2 **Teaching/Research/Industry Experience:**
Teaching/Research: 07 years Industry, 01 year, Total: 08 years



3. **Books and book-chapters published**

Sr No.	Author(s) Name	Title of the Book/Chapter	Publisher	Place and Year of publish	Pages (in case chapter)	
1	Vishwanathan, S.S., Garg, A., Tiwari, V., Kankal, B., Kapshe, M., Nag, T.	Enhancing Energy efficiency in India: Assessment of sectoral potentials	Copenhagen Centre on Energy Efficiency, UNEP DTU Partnership	Copenhagen, June 2017		ISBN: 978-87-93458-13-0

4. **Research papers published in journals**

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1	Thomas Spencer, Michel Colombier, Oliver Sartor, Amit Garg, Vineet Tiwari, Jesse Burton, Tara Caetano, Fergus Green, Fei Teng & John Wiseman	The 1.5°C target and coal sector transition: at the limits of societal feasibility	Climate Policy	18:3, 335-351, DOI: 10.1080/14693062.2017.1386540	04 December 2017	17
2	Amit Garg, Vineet Tiwari, Saritha Vishwanathan	Relevance of Clean Coal Technology for India's Energy Security: A Policy Perspective	IOP Conf. Series: Earth and Environmental Science	76 (2017) 012001 doi :10.1088/1755-1315/76/1/012001	2017	11

5. **Average Impact Factor of all publications and name of the major journal in which publication are made.** Impact Factor: 2.78

Journal Name: 1. Climate Policy,

2. IOP Conf. Series: Earth and Environmental Science



6. Seminars and invited talks presented:

- For the project title “***Comprehensive, Whole-of-Government Strategies on Coal Transition in Major Coal Using Countries***” funded by KR foundation and Sub-Grantee IDDRI, - A high level stakeholder consultation was held at London (U.K.) during 24-26th June, 2017, where various experts working in coal, environment and social sector related to coal were invited. I represented on behalf of the Indian team.
- Invited as resource person in the International Workshop on “Implementing 2°C and below 2°C – compatible Climate Change Mitigation Scenarios: Implications for India’s Coal Sector” held at CIMFR, Dhanbad during 1-2 December 2017. I presented on the topic “Stranded Assets in Coal Sector: Risk of Stranded Assets in India”

7. Work done in project undertaken in the Institute:

- **Comprehensive, Whole-of-Government Strategies on Coal Transition in Major Coal Using Countries**

Collaboration with IIM-A for the project title “***Comprehensive, Whole-of-Government Strategies on Coal Transition in Major Coal Using Countries***” funded by KR foundation and Sub-Grantee IDDRI during the period 1st June 2016 to 31st May 2018, where I have been engaged as an external expert.

One outreach event was held in London (UK) and other was held in Dhanbad (India) for engaging coal sector stakeholders and disseminating information and outcome of the work being carried out under this project.

Model set-up and analysis has been completed. Country level report has also been submitted and under advanced stage of review. Then it would be widely circulated across governments, policy makers and researchers to update about the outcome of the projects and in turn help them deciding future energy policy pathways.

As an outcome of this work two publications have come out.

8. Training Programme organized:

Conducted Workshop on “Research Methods and data Analytics Using SPSS & R” as Convener during 13-14 November, 2017

9. Other Activities

- (a) *Industry visited and visits to other Institutes for research*
Name: Indian Institute of Management, Ahmedabad
Purpose: For scheduled meetings related to ongoing projects
Period: 03rd Dec, 2017 to 08th Dec, 2017

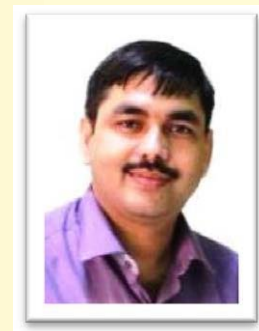


Annual Report 2017-18



Dr. Vrijendra Singh

- 1 **Name, Department & Designation:**
Dr. Vrijendra Singh, Associate Professor & Head, Dept. of IT
- 2 **Teaching/Research/Industry Experience:**
Teaching/Research: 13/16
- 3 **New courses developed**
Computational Intelligence, Optimization Techniques, Deep Learning (video-course)



4. Research papers published in journals

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1	Preetish Ranjan, Vrijendra Singh, Prabhat Kumar, Satya Prakash	Models for the Detection of Malicious Intent People in Society	International Journal of Digital Crime and Forensics (IJDCF) eSCI	10(3)	2018	15-26

5. **Average Impact Factor of all publications and name of the major journal in which publication are made.** 0.6, Academia Revista Latinoamericana de Administración

6. Research papers published in conference proceedings (as a full paper)

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page
1	Swarnima Singh Gautam, Vrijendra Singh	A comparative study of hybrid models of selective classification and dynamic selection of analogies for software development effort estimation	Industrial and Information Systems (ICIIS), 2017 IEEE International Conference on	08300360	2017	1-6
2	Anjali Gautam, Vrijendra Singh	Comparison of different NN training functions of NARX architecture for financial time series	Industrial and Information Systems (ICIIS), 2017 IEEE International Conference on	08300361	2017	1-6
3	Anjali Gautam, Vrijendra Singh	A novel approach for decomposition of financial time series	Recent Innovations in Signal processing and Embedded Systems (RISE), 2017 International Conference on	08378214	2017	537-542



7. **Seminars and invited talks presented:**

Invited Talk - One-Week Workshop on Cloud Computing & Allied Technologies with Collaboration of Computer Society of India, ECC, Allahabad, 17th January – 21st January, 2018

8. **Conferences attended outside IIIT Allahabad**

Technical Committee Chair- First International Conference on “Communication, Networks & Computing (CNC-2018)” from March 22-24, 2018 at ITM University Gwalior, India. The Conference proceedings will be published by Springer CCIS.

9. **Training Programme organized:** (Self Financed) 2-Day Certificate Programme on “Effective Image Processing Tools for Novice: Learn Image Processing for Contemporary Applications”, Dec. 1-2, 2017.

Coordinated - Short Course on Deep Learning, Aug. 3-4, 2017, Course Instructor – Prof. Sargur N. Srihari, University of Buffalo.

Coordinated - One day workshop on Artificial Intelligence IIITA –(Intel's Official Training Partner) | Intel Nervana AI Academic, Nov 16th, 2017

10. **Other Activities**

(a) ***Continuing Education Activities***

Self financed - 2-Day Certificate Programme on “Effective Image Processing Tools for Novice: Learn Image Processing for Contemporary Applications”, Dec. 1-2, 2017.
(Research Scholar/Faculty)

Coordinated - Short Course on Deep Learning, Aug. 3-4, 2017, Course Instructor – Prof. Sargur N. Srihari, University of Buffalo.

Coordinated - One day workshop on Artificial Intelligence IIITA –(Intel's Official Training Partner) | Intel Nervana AI Academic, Nov 16th, 2017



Annual Report 2017-18



Dr Sanjai Singh

Name, Department & Designation:

Dr Sanjai Singh, Electronics and Communication Engineering and Associate Professor



1. Teaching/Research/Industry Experience:

Teaching/Research: **13**

2. New courses developed -

Title, course number **Quantum computation and Quantum Information, 01**

4. Seminars and invited talks presented:

Title, “**Basics of Solar Energy Harvesting through Different Generation Solar Cells**”

Organization, **IIIT-A**

Date:- **08th June, 2018**

5. Work done in project undertaken in the Institute:

“Experimental and Ab-initio study of doping effect on physical properties of semi-conducting materials”



Dr. Saurabh Mishra

1. **Name, Department & Designation:**
Dr.Saurabh Mishra, Assistant Professor, Department of Management Studies
2. **Teaching/Research/Industry Experience:**
Teaching/Research: 10, Industry 4.5, Total: 14.5
3. **Training Programme organized:**
Coordinator: One Week Summer School on Behavioral Finance.
4. **Other Activities**
(a) Continuing Education Activities
Course Coordinator: Add-on courses, IIIT Allahabad
Participation in the High Level Industry Academia Interaction Program during summer



**Brief Summary of
the Department's activities
during the year 2017-18**



5. Brief Summary of the Department's activities during the year 2017-18

5.1 Department of Information Technology

Website: <https://it.iiita.ac.in/it/home.php>

The institute primary aims to achieve excellence in Information Technology and related fields. All programmes offered by IIITA are in the area of IT and other allied fields. The Department of IT was formally established along with other departments in 2015 to strengthen teaching and research in information technology. The department offers BTech in IT, dual-degree (BTech(IT)+ MTech in IT with specialization in different areas like **Machine Learning, Image and Visual Analytics, Software Engineering, Human Computer Interaction, Robotics & AI, Information Security, Networks, Cognition & Recognition and Systems**

It also offers M.tech in IT with Specialization apart from a very popular Ph.D. program in **Networks, Wireless Communication and Computing, Human Computer Interaction, Software Engineering, Cyber Law and Information Security, Machine Learning and Intelligent Systems, Robotics & Information Technology.**

A new assessment system CCLCAA was lunched in the academic year 2017-18 for IT Department of the Institute Choice & Credit Linked Continuous Assessment and Award (CCLCAA) Ordinance is an articulation of the Institute's commitment towards the need of a 'continuous assessment' of its enrolled students, with a view that it enables student(s) to maintain the continuity in learning process, which eases them of the anxiety that un-necessarily peaks up during the Mid and End semester because otherwise the assessment process is predominantly such examination based.

To that end, considerable initiative have been taken by the department to establish state of the art teaching and research laboratories in the area of Deep learning Big Data Analysis Robotics, Intelligent System Cryptography and Information Security system Lab SLIP Human Computer Interaction, natural language processing, Software Engineering research. The Department also has a high performance capacity lab with the latest available configuration. The programmes at most undergraduate and post graduate level are evolving from a rigid structure to a flexible course structure to allow the students specialize and diversify at the time. Students are encouraged to undertake project in a group starting from V semester and advance research project in VIII semester. Opportunity for innovation and incubation is provided at this stage to successful projects by the institute for industrial standards. The department offers financial support to its young faculty for cutting edge research and also encourages them to undertake sponsored research from industry and government agencies. Presently several national and International projects sponsored by government as well as industry are being undertaken by the department.

Currently the admission to various Ph.D. programmes in Indian Institute of Information Technology, Allahabad (IIITA) is on full time basis and on scholarship support. Somehow this is inhibiting even the candidates who could be sponsored and deputed for full time Ph.D. studies from applying. There are Industries, R&D organisations, Laboratories, Government. / Private Institutions, NGOs, Banking Institutions, and other Academic Institutions where quality infrastructure for advance research and even



the inquisitive and right kind of aspirants to take up advance research activities are present in such places, but the mechanism to convert such work spots to research study centres is lacking. If IIITA, the institute of higher learning and of national importance could exploit this scenario and could create a win-win mechanism, the objective of enhancing of research quality and culture and of bringing the professional world in closer proximity to the institute could be accomplished. In this backdrop it is proposed to recognize appropriate professional centres as research centres, for enabling research studies leading to Ph.D., and also to provide admission for the working professionals on full / part time basis from the next academic year and onwards.

Foreign/International candidates qualified with equivalent degree from foreign Universities or from Indian Universities have been approaching Indian Institute of Information Technology, Allahabad (IIITA) for admission to research studies. IIITA being an Institute of national repute should respond to this request so that the research programmes at IIITA become internationally reckoned. Accordingly the ordinance is proposed as below: Suitably qualified foreign/international candidates possessing a foreign degree which is equivalent to corresponding Bachelor's/Master's degree as per the standards anticipated by IIITA will be considered as candidates eligible for admission to research studies leading to Ph.D. / M.Tech. by Research / MBA for working professionals / M.B.A. / M.Tech.. Such foreign/international candidates may even be qualified with Indian degrees.

Administrative and Academic Restructuring:

During the past year various committees have been formed at the departmental level to look after each and every activity related to undergraduate & post-graduate programmes, training & placements, purchase, etc, of the department. For all academic matters pertaining to the undergraduate programme(s) and Postgraduate programme(s) offered by the Department, the Departmental Under Graduate Committee (DUGC) and Departmental Post Graduate Committee (DPGC) have been constituted. To streamline procurement of various equipment and other official requirements of the faculty members, a departmental purchase committee has been constituted.

Faculty Recruitment

In past years, the department was facing a severe crunch of faculty due to large enrolment of undergraduate and postgraduate students. To manage this, the department is actively involved to attract and retain young talent. For this, the department has invited applications for the post of Assistant Professor (on contract), Assistant Professor (regular), associate Professor, Professor and visiting faculty from personnel from universities, institutes, R&D labs, industries, and Government, in India or Abroad.

A rolling advertisement has been floated on the Institute website. Faculty recruitment has been constant ongoing process so that promising talent can be inducted as and when available.

Research and Development:

The department has well established undergraduate laboratories wherein desktop computers are issued to individual students. The laboratories are open 24 hrs with free access to the Internet through two dedicated Internet connections (more than 2 Gbps). A large number of software is available to support





Annual Report 2017-18



laboratory classes. In addition to regular class laboratories, state of art research have been strengthened in the past year which include

- a. New Laboratories:
 - a. Deep learning Lab
 - b. Software Engineering research Lab
 - c. Interactive Technologies & Multimedia Lab
 - d. Advanced Image & Data Science Lab
 - e. System Lab
 - f. Wireless Sensor Network Lab
 - g. Big Data Lab
 - h. Advanced Image and Data Analytics Lab
- Strengthening of the Existing laboratories
 - a. Robotics
 - b. HCI
 - c. SILP
 - d. Cryptography and Information Security laboratory
 - e. Data Analytics
 - f. Computer Vision Biometric
 - g. Hardware technology lab
 - h. Basic Programming Lab
 - i. Advanced programming lab

Training and Placement:

It was yet another season where IIIT-A surpassed its previous records with majority of the students getting placed and **got various award and honor in national and international in the Dream Round Companies and projects**. Some of our top recruiters were Google , Amazon , Adobe , DIRECTI , Cisco , Morgan Stanley , De Shaw , Qualcomm , Myntra , Flipkart , Arista , Dev Factory etc . Majority of the top companies offered a package close to 25 lpa or more and a substantial amount of IT students got placed in these companies. This season also boasts **of various national and international startups** that visited our campus which gives us an idea of the reputation of IIIT-A in the industry.

This season also stood out because of the fact that almost all the companies that hired from our college before returned with more slots reserved for IIIT-A. This tells us about our alumni base which has reached out to all the spheres of this industry and is performing exceptionally well. This placement season also noticed a substantial increase in the number of third year students that were hired for summer internships. Also the conversion rate from Internships to PPOs was almost 100%.

Almost all the top recruiters that visited us for Full Time Employment also took significant number of interns which will help vast number of our students to get industry exposure at a very early stage.



The feedback we received from the companies that visited us was that they were elated to see the talent pool of our college and immensely satisfied with their hiring. Even the companies that visited us last were also jubilant to see the depth of knowledge in our students. They also told us that the basics of the students were very clear and also advised us to improve a bit in the practical domain. In short all the companies were really satisfied from their visit and this ensures us their return during the next season. Overall we did better than last year and we will strive to continue the same.

Concluding Remarks:

The department is in the process of strengthening academics through course development, revision of existing programmes, **Celebration from in view of institute turning beyond 2020**. The present Ordinance applicable to B.Tech. Degree Programs offered at IIIT Allahabad has two sections as follows: Section A : Pertaining to Credit Based Continuous Assessment and Award (CCLCAA) Ordinance Section B: Pertaining to Admissions, Program Layout and Examinations (APE) Ordinance. The faculty recruitment process has been streamline to attract the best talent and their retention is being ensured by providing the best possible facilities and academic environment for personal progress. The department continues to strive to achieve excellence in teaching and research through these endeavours.

Dr Vrijendra Singh
HOD (IT)

5.2 Department of Electronics and Communication Engineering

Website: <https://ece.iiita.ac.in/ece/home.php>

About the Department

The department of Electronics and Communication Engineering at Indian Institute of Information Technology, Allahabad was established in 2006 with a vision towards interdisciplinary research with other departments of the Institute. The undergraduate and postgraduate students of ECE students get good exposure in start of the art technologies with the latest tools and technology design kits. The department offers BTech (ECE), MTech & M.Tech/general, and Integrated PhD programs. The department provides healthy environment to students and faculties to carry out collaborative research in the specializations of Microelectronics, Signal Processing, Microwave engg, Photonics, instrumentation etc.

Faculty Recruitment

The department is actively involved to attract quality faculty. For this rolling advertisement has already been put up by the department.

Administrative and Academic initiatives:

The department of ECE has encouraged taking Ph.D. students under Visvesvaraya PhD scheme for availing external funding and expanding the research scholar strength. The department has organized workshops in VLSI design, Thin film Transistor, PCB Design to increase the manpower in electronics and





related area. The department of ECE has collaborated United Microelectronics Corporation (UMC), High Performance Microelectronics (IHP) and Semiconductor Laboratory (SCL) for receiving support for chip fabrication. The department has encouraged the students to participate in design contests and national conferences to improve the quality of the undergraduate and postgraduate projects. The training and placement cell has actively participated in overall placement activities and through industry- institute partnership 100% of the registered students have been placed in national and multinational companies. A team of students under the supervision of HOD and faculty members had improved the website with all updates of course curriculum, research areas, publication, projects etc. The lab staffs have been recruited to support the laboratory and teaching. Some of the UG and PG courses have been streamlined based on the need of R&D and applications in industries. The placements have been improved with the academic initiatives through UG project and skill development courses. Experts from academic and industry have been invited in workshop and to teach courses to students to bridge the gap between industry and academia. The departmental undergraduate committee (DUGC) and departmental postgraduate committee (DPGC) have addressed the issues of UG and PG students. CCLCAA Scheme will be incorporated in curriculum structure.

Research Development:

The faculty members of the department have been able to get approval of 03 projects, from the government funding agencies and received grants for the existing projects. Besides this the faculty members of ECE department are working in the sponsored research projects with a total value of nearly 200 Lakh rupees. The faculty members of the department have published over 20 research papers and 25 conference papers in reputed peer reviewed international journal and conferences respectively during 2017-2018. Currently more than 30 PhD students are working in the department of ECE. The breadth of the research area in ECE department is expanded with the help of the initiatives of faculty members. The prototypes of several products such as heart rate sensor, object tracking system and drug delivery system have been developed. The faculty members and students of ECE department had also developed Drones under the following projects.

- 1. Krishi PS-1925 for Agriculture and Smart Farming.**
- 2. Rahat PS-1925 for Disaster Management and Relief Operations.**

Training and Placements:

The students of B.Tech and M.Tech had registered for the campus placements which opened in July-August 2017. The departmental placement coordinator and institute's TPO along with student placement team interacted with various companies and their HR teams. Companies were invited from July 2017 onwards to fill up online "Job Notifications Forms" which opened to students registered for placements from early August. Pre-placement talks by companies provided an avenue for interaction and familiarization of students with recruiting organizations and their work profile as a run up to formal placements. The recruiters appreciated the knowledge and training of our students. A majority of our recruiters held their faith in our students' abilities and came to recruit in large numbers. Directi, Qualcomm, Samsung, Freescale, Morgan Stanley, Walmart, Goldman Sachs, IBM, Citicorp, Sapient,



Flipkart, Naukari.com, RBS, Grofers, Incture, EXL/RBS, ZS, Zomato, Accenture, Mahindra Comviva, Zopnow, Power2SME, TCS, Ignite World, Infosys, Icon Resources, Unicommerce, KPMG, Hashedin, HT Media, Juniper, Polaris, Wipro etc., to name a few were the companies that visited campus and recruited our students. The placement activities during the academic year 2017-2018 for B.Tech(ECE) students was conducted and 100% placement has been attained with highest CTC = 22 Lakhs/annum and average CTC = 12.08 lakhs/annum.

Concluding Remarks:

The department has provided a healthy environment to the students, staff and faculty members for quality education and research. Under the leadership of Director, IIIT-A, the department has attained significant improvement in curriculum, research, administration and student's placement. Collaboration with other pioneer institute and industry was also initiated. For creative learning environment, minor/major and tutorial enabled academic credit system has been initiated by the department. Under the digital India Programme, the department has initiated certain steps in terms of prototype development, controlled facility for autonomous operation and academic assessment.

Dr Manish Goswami
HOD (ECE)

5.3 Department of Management

General Information:

1. The first batch of Integrated B.Tech.- MBA has come to department for their MBA Phase. The would move to their MBA final year in July 2018.
2. The second batch of Integrated MBA-Ph.D. program has started pursuing the Ph.D. program after completing their MBA.
3. A 'Reading Room' facility has been developed in the department to help the student with easy access to information in related area. The reading room has the collection of periodicals and magazines.

A new assessment system CCLCAA was lunched in the academic year 2017-18 for IT Department of the Institute Choice & Credit Linked Continuous Assessment and Award (CCLCAA) Ordinance is an articulation of the Institute's commitment towards the need of a 'continuous assessment' of its enrolled students, with a view that it enables student(s) to maintain the continuity in learning process, which eases them of the anxiety that un-necessarily peaks up during the Mid and End semester because otherwise the assessment process is predominantly such examination based.

The Department of Management studies has taken several initiatives to align its courses to the new assessment system. All of the courses including electives have been redesigned in the LTP format to ensure tutorial/ practical aspects are embedded in every course.

Working /Practicing professional would have gathered so much of work experience and talent, that over time each one could act as a knowledge hub. If such people could receive a formal higher academic orientation with a tilt to look at their own professional environment from a research critical perspective,





they would not only be more effective but also be creative. With this intention IIITA has rolled out MBA for working professionals. The candidates pursuing conventional degrees of M. Tech, MBA have mainly course work based curriculum, with project work towards its partial fulfillment while the MBA course proposed for Working Professionals are mainly research based and field work oriented.

Currently the admission to various Ph.D. programmes in Indian Institute of Information Technology, Allahabad (IIITA) is on full time basis and on scholarship support. Somehow this is inhibiting even the candidates who could be sponsored and deputed for full time Ph.D.

studies from applying. The department is also actively working to start PhD for working Professionals project with an aim project these untapped potential with a model to transform their working desk/field to a learning desk/field so that working professional could channelize his/her learning potential into a creative innovation

Extra-Curricular Activities:

1. Workshops were conducted for the students for their personality development, team building and ways to tackle issues in corporate life.
2. Various Guest Lectures of eminent speakers were organized to supplement class room knowledge

Academic Activities:

1. Short Term program on “Demystifying Finance” conducted in the department by Dr. Shailendra Kumar and Dr. Utkarsh Goel, 22 - 23 Sep, 2017.
2. GIAN Program on “Hedge Funds and Their Trading Strategies” conducted by Dr. Shailendra Kumar and Dr. Utkarsh Goel. 19 – 23 February, 2018.
3. Workshop on “Research Methods and Data Analysis using R & SPSS” conducted by Dr. Madhvendra Misra and Dr. Vineet Tiwari, 13-14 November 2017.
4. Two-day workshop on “Communication Connect” conducted by Dr. Pragya Singh and Dr. Rahul kala of Dept. of IT, 27th and 28th October 2017.
5. Various Guest Lectures of eminent speakers were organised to supplement classroom knowledge.

Lab Development:

- A state of art communication skill Lab is under development which has the objective to develop students’ communication skills and prepare them for campus placement or recruitment.
- A new lab on Decision Making has been sanctioned and is currently under development.

(Dr. Vijashri Tiwari)
HOD, MS

5.4 Department of Applied Science
Website: <https://as.iiita.ac.in/dyna/>



1. Brief introduction

Department of Applied Sciences (DAS) is an integral component of IIIT Allahabad's academic ecosystem. The DAS contributes two master programmes, viz., Bioinformatics and Biomedical Engineering (BME). These program offers courses for students aspiring undergraduate and post graduate courses and PhD programme in Computational Biology and Biomedical Engineering. The DAS also contributes to various core courses running in all other Departments.

The DAS has pool of faculty from various disciplines to give it an extra interdisciplinary edge. It caters to various courses related to Mathematics, Physics, Chemistry, Biology, Biomedical Engineering and Bioinformatics. Significant contribution, however, is towards the MTech IT (Bioinformatics), MTech (Biomedical Engineering) and 5-year M.Tech programmes of BME. The DAS has well equipped laboratories and facilities that enable faculty and students to employ fundamental principles to create innovative new technologies.

It is a matter of great satisfaction that in three academic rankings published this year, IIIT Allahabad stands 90th ranking in the National Institute Ranking Framework (NIRF) 2018 in India. Then came the India Today ranking, where the Institute was ranked 13th in the list of India's top engineering institutes. Most recent is the 2018 Times Now ranking which places us at the 21st overall ranking position among India's Top 75 Engineering Colleges.

The Department of Applied Sciences strive to excel with vision

- a. to conquer the limits of nature by revealing inherent properties of versatile materials like protein, DNA, RNA and paving path to the awaiting Bioinformatics breakthrough.
- b. to develop and implement algorithms and tools to, use, manage and study various biological information.
- c. to provide leadership by maintaining standards in practice, research, teaching, and commercial application in Bioinformatics.
- d. to device a framework to foster and facilitate overall advancements in Bioinformatics.
- e. to lead research in leading technologies to serve mankind in general.

2. Placement Record for Batch 2016-18 (100% Placement)

3. Current sponsored projects

- **Project Entitled** "Study the Yearly Diversity of the Aquatic Bacterial Communities in the Sangam-Allahabad by Foldscope. DBT order No: BT/IN/Indo-US/Foldscope/39/2015 dated 20.03.2018
- **Project Entitled** "Near Horizon Structure of Black Holes" sponsored by DST-SERB India.
- **Project Entitled** "Colour Barcoded, gold Nanoparticle Coated, Embedded, Magnetic Microparticle for Lab on Chip Localized Surface Plasmon Based Label-Free Multiplexed Bioassays" Order No: SB/FTP/ETA-0126/2014.





- **Project Entitled** “A Novel Water Purification System with Silver Nanoparticle Coated Micro-Channel Arrangement for Filter-Less Purification of Water and Embedded Waveguide for Purity Indicator” Order No: DST/TM/WTI/2K15/201.

Previous sponsored projects

- **Project Entitled** “Analysis of the neuroprotective properties of natural compounds and their derivatives/prodrugs in experimental models of Parkinson disease with potential therapeutic applications”, DBT sanction order No. BT/PR4908/MED/30/745/2012/dated 2.6.2014.
- **Project Entitled** “Topological materials and Applications: Majorana fermions in topological insulator” Under DST (FAST track Young Scientists), 2014-2017.
- **Project Entitled** “Spintronic material and its applications” under DST, 2014-2017.
- **Project Entitled** “Development of new methods and algorithms for pathophysiological characterization of coronary blockade by processing ECG and similar quasiperiodic biomedical signals and biomedical images”, – Completed under the investigation of Dr. Tapabrata Lahiri and recently approved by ILTP of cooperation between DST, India and RFBR, Russia.
- **Project Entitled** Implementation of ILTP project entitled “Development of New Method and algorithms to identify Exon-Intron boundary and finding signatory signal pattern for genetics abnormalities like autism”.
Principal Investigator: Dr. Prithish Kumar Varadwaj.
- **Project Entitled** “Development of transgenic Wheat plant against Cereal Cyst nematode (*Heterodera Avenae*) and Sunnpest (*Eurygaster intergricus puton*) by using Bioinformatics and Genetic Engineering approaches”. Principle Coordinators – Dr. C.V.S. Siva Prasad, IIIT, Allahabad and Prof. Alex K. Gaponenko, Koltzov Institute of Developmental Biology, RAS, Moscow.
- **Project Entitled** “Application of EMF for evaluation of health of vital organs” – Completed under the investigation of Dr. Tapabrata Lahiri, funded by ILTP of cooperation between India and Russia, DST, Govt. of India.
- **Project Entitled** “Development of a Fractal and Soft Computing simulation based methodology to predict protein surface-roughness-map to help pharmaceutical designing of best possible small binding molecules”. A drug design approach – Completed under the investigation of Dr. Tapabrata Lahiri, funded by Ministry of Human Resource and Development (MHRD), Govt. of India.
- **Project Entitled** “Development of a Computer-aided Microscopic Tool for Structural Derivation of Pathologically Significant Proteins”. – Completed under the investigation of Dr. Tapabrata Lahiri, funded by ICMR.





– **Project Entitled** “Application of Nuclear Magnetic Resonance Computational and Traditional Methods for Designing and Development of some Herbal and Synthetic Drugs” Under the guidance of Prof. Krishna Mishra, Professor, IIITA.

4. Recruitment

The recruitment process has been started and it is yet to be completed.

5. Concluding remarks

Department of Applied Science is a heterogeneous blend of complementarily beneficial subject areas and thus could reap the benefit of multidisciplinary research and courses. Also, the department is contributor of fundamental knowledge in basic sciences, especially physics, chemistry, mathematics and biology which are essential pillars of Information Technology, the mandate of the institute.

(Dr. Akhilesh Tiwari)
HOD- Applied Science





Research and Projects



6. RESEARCH AND PROJECTS

6. Research And Projects

6.1 Project of the Intitute 2017-18

Sr. No.	Name of Project	Coordinator	Funding Agency	Project Cost	Amount Released
1	Development of New method and algorithms to identify exon-intron boundary and finding signatory signal pattern for genetic engineering like autism	Dr. Pratish Vardwaj	DST	20,70,860	12,27,930
2	Development of transgenic wheat plant against cereal Cyst Nematode (Heterodera Avenue and sunnpest (Eurygaster intergriceps puton) by using Bioinformatics and Genetic engineering Approaches	Dr. CVS Siva Prasad/ Dr. Prithish Varadwaj	DST	53,97,620	53,71,154
3	Disaster management system for large scale deployment of sensor network using a fault tolerant mechanism	Dr. Shirshu Verma	DST	1,58,47,800	73,08,000
4	Universal Digital Library- Content creation in Tibetan, Sanskrit and English	Director/ Dr. Ratna Sanyal	MCIT	1,05,00,000	88,11,008
5	Development of a computer aided microscopic pool for structural derivation of pathologically significant proteins (No.52/8/2005-BMS)ICMR ,Ansari Nagar–New Delhi	Dr. T. Lahiri	I.C.M.R	26,83,391	23,44,570
6	TDIL -(English-Indian Language machine Translation System)- Phase 2nd	Dr. Ratna Sanyal	MCIT	93,96,000	85,17,344
7	TDIL-(Indian Language-Indian Language Machine Translation System) 2 nd Phase	Dr. Ratna Sanyal	MCIT	29,56,000	15,08,000
8	TDIL-Development of Robust document analysis and recognition system for printed Indian Scripts- (OCR) -2 nd Phase	Prof. Sudip Sanyal	MCIT	71,70,500	23,24,643





9	Technology incubation and Development of Entrepreneurs(Tide) Scheme	Dean (A&R)/ Dr. Rahul Kala	DEITY	1,65,00,000	68,36,000
10	Allahabad High Court Digitilization Project	Director/ Dr. Ratna Sanyal	Alld High Court	5,11,00,000	4,39,90,000
11	ATB Netwok simulation Tastbed at MCTE,MHOW (MP)	Prof. M.Radhakrishna	CDA Jabalpur	1,44,40,000	1,17,49,623
12	Distributing Industrial Optimization tasks to Rural Worker- INDO UK BURD Project	Prof. Anupam	DST	60,88,130	42,55,024
13	Topological Materials and Application Science and Research Board	Dr. Pramod Kumar	DST-SERB	23,30,000	10,75,000
14	DST - RFBR Project- Development of logic programming approach to intelligent monitoring of anomalous human activities DST-Russian Federation of Basic Research	Dr. Abhishek Vaish	DST	16,83,908	8,65,610
15	Development & Application of atomic layer Deposition for High efficiency c-Si Photovoltaic Solar cells	Prof. B.R.Singh	DST	2,16,62,000	2,08,62,000
16	Spintronic material and its applications	Dr. Pramod Kumar	DST-SERB	38,08,025	35,00,000
17	Inspire Faculty Award	Dr. Sitangshu Bhattacharya	DST	35,00,000	19,15,626
18	IIIT-A Design Innovation Center	Prof. S. Sanyal	MHRD	59,37,004	59,37,004
19	Special Manpower Development Programme	Dr. Manish Goswami	DietY	38,56,258	38,56,258
20	Graphene transistors on different high-k dielectrics as performance boosters and role of self-heating: a physics based theoretical approach	Dr. Sitangshu Bhattacharya	DST	27,26,000	21,34,000
21	A Novel water Purification System with Silver Nanoparticle Coated Micro-Channel Arrangement for Filter Less Purification of Water and Embedded Waveguide for Purity Indicator	Dr. Amit Prabhakar	DST	25,18,947	21,36,309
22	Colour Barcoded, gold Nanoparticle Coated, Embedded,	Dr. Amit Prabhakar	DST	32,22,600	21,57,720



Annual Report 2017-18



	Magnetic Microparticle for Lab on Chip Localized Surface Plasmon Based Label Free Multiplexed Biossays				
23	GLOBAL INITIATIVE ON ACADEMIC NETWORK	Dr. Satish Kumar Singh	MHRD	51,68,000	51,68,000
24	Silicon nanowires: professional compact model of scaled thermoelectric figure of merit for energy harvesting”	Dr. Rekha Verma	DST	21,09,800	13,68,600
25	Mission Planning using Sampling based techniques	Dr. Rahul kala	Dr. Rahul kala	3928766	2846660
26	Hindi to English Machine Translation System for Judicial domain	Prof. U.S.Tiwary	MeitY	2688000	0
27	Physical Layer Security in Cooperative Cognitive Relay Networks	Dr. Suneel Yadav	SERB	4548500	3415500
28	Design and Development of Software Packages (s) for Image Illumination Normalization and coloring of the IR Images	Dr. Satish Kumar Singh	DRDO	2452643	1300000
29	IMPRINT India initiative	Dr. Bibhas Ghoshal	MHRD (IIT Kanpur)	2023000	2023000
30	Investigations on Chalcogenide Photodetectors	Dr. Sunny Sharma	SERB	5247660	3672280
31	Medical Cyber Physical System for lifestyle diseases using Big Data Analytics	Dr. Sonali Agarwal/ Dr. Rahul Kala	SERB	3596250	1198000
32	National Post-Doctoral Fellowship Scheme	Dr. Sintu Kumar Samanta	SERB	1920000	646693





The Infrastructural Development



7. The Infrastructural Development

7. The Infrastructural development

7.1 Infrastructural Facilities

The Jhalwa campus includes **three Computer Centers with several labs each, lecture halls, a newly built auditorium, electronic library, and a residential campus.** Various other facilities are under development. **The NSC complex** includes five laboratories, eight computer laboratories, five lecture halls, a conference room, auditorium, library, cafeteria, office space and other facilities. The total covered area is about 25,000 sq. ft. Besides this, there is an open space of 50,000 sq. ft. that is used for parking, lawns and sporting activities.

The new campus has been developed on **100 acres of land at Devghat, Jhalwa, on the outskirts of Allahabad.** The architecture aims to transcend established design conventions and make a statement about the similarities between atoms and bits. Instead of the traditional geometric lines, the campus and other buildings have been **styled on patterns developed by internationally acclaimed scholar and mathematician, Roger Penrose.**

Penrose Geometry

This grid was chosen because the process of constructing a "**Penrose Universe**" has a remarkable congruence with the fundamentals of information theory. The basic units of information are aggregated in simple or complex sequences to provide a variety of "information structures" that span the entire range of human activity.

Sprawling on 100 acres lush green lawns and expanse of rich flora and devise floriculture, the Campus includes Visitors Guest House, Faculty Guest House, VIP Guest House, 4 Boys' Hostels with capacity of 275 inmates each, 2 Girls' Hostels, 60 Residential Quarters of Type I, II, III & IV, Married Scholar Apartments, Students Activity Centre, Bank, Post Office, Health and Shopping Complexes, Squash Courts, Tennis Courts, Badminton Courts, Pavilion & Playgrounds and Girls' Hostel, Boys' Hostels and academic Staff Quarters at RGIIIT-Amethi Campus of IIIT-Allahabad.

Elements of the new campus

Within the Penrose layout for the campus, a central zone has been marked out for the academic core consisting of an administrative building, lecture theater complex, electronic library, computer laboratories and research facilities. The sun pattern has been chosen for laying out the library and the lecture hall complex. The computer laboratories and the administrative buildings are **derived from selected tessellated blocks in the star pattern.** The lecture theater complex has **pentagonal lecture halls seating 100 students.** Multimedia labs, tutorial rooms, faculty rooms, language labs and meeting rooms are also included. The basement of the building contains the air-conditioning plant and other service machinery.





Also present is an **electronic library that provides students with connectivity to the latest technological material** through networked workstations. There will be a total of 140 systems distributed over two floors. Reading space is provided at convenient locations. The central portion has computer labs, while the arms of the building house faculty rooms and classrooms. The building has three levels, with an **area of approximately 3820 sq.m. The total covered area in the academic campus is approximately 15,600 sqm.** Dholpur stone and rough cast plaster are the two main finishes chosen for the building exteriors.

Sports facilities are located within the main campus, with a **500-seat sports complex.**

This infrastructure is proposed to accommodate the needs of the institute for **more than a decade.** The students have access to a **regular bus service from the Jhalwa campus to central Allahabad (the Nehru Science Centre campus).** The bus service also covers the Naini and Civil Lines areas. The residential campus consists of a mens" hostel with **capacity for 240 students, womens" hostel for 60 students, 40-room air-conditioned guest house and staff residences for senior professors and other staff.** Faculty hostels with two-room and one-room units meant for visiting professors are also be provided.

There are separate hostels for men and women, with single rooms (for the senior most batches) and twin sharing rooms. The spacious accommodations are provided with computers, along with **24-hour backup power supply. The hostel mess caters to the students' meals. Facilities for recreation and sports like cricket, football, badminton and table tennis** are available with more on the way.

Salient Features in brief

- Fully furnished separate Hostels for Boys & Girls is available
- 24 Hours Internet Connectivity through 1 GBPS Leased Line
- Normally each student allotted P4 and above computers
- All computer points backed by 100% Uninterrupted Power Supply
- All students are encouraged to undertake Projects in cutting-edge areas under active supervision of faculty members. Students are also encouraged to undertake Industrial trainings/projects during vacations.
- Academic Regulations as being practiced at other IIT's are broadly followed at the Institute **mutatis mutandis**
- All courses are envisaged to be delivered by experts
- State-of-the-art facilities for all labs
- All academic and administrative areas are fully air conditioned
- Unique opportunity to participate and contribute in leading National and internationally sponsored projects
- Selected students may also get the opportunity to work in foreign Universities under special institutional MoU's with them. Academic Exchange of students program with international educational institutions of repute
- Different sport facilities like volleyball court, basketball court, football court, snooker, cricket ground, swimming pool, GYM facilities, etc are available for all the students





Annual Report 2017-18



- Banking & ATM facilities available in the Institute premises itself
- Medical facilities available on the Campus at any hour of the day and night. However, selected students must have Insurance before taking admission
- State of Art A/C library covering different books, magazines related to Computers, Management, Electronics, etc. Electronic library available for academic and general mental development of the students
- Messes in the Hostels are fully air-conditioned
- Institute is having canteen providing hygienic foods / snacks
- One of the salient features of the training imparted to the students is the hands-on computer assembly training. The students themselves have assembled almost all of the Institute's computers, under guidance of the specially trained technical staff. This has not only enabled the Institute in bringing down the cost of new computers, but also made almost 100% instant trouble shooting of any faults, resulting in no requirement of any computer related AMC's
- IIT- Allahabad is the first academic campus in the country to implement.
- (BPL) (Broadband over Power Line).

Sports: IIT-Allahabad has an excellent physical activity infrastructure for its residents to ensure that academic development is duly supplemented by sufficient physical development as well. A good football ground – complete with spectator stands serves as the principal venue for most of the sports events organized by “Spirit” – the sports club of IIT-Allahabad. A duly marked athletic track circumscribing the ground serves to provide for a safe track for not only the athletic events – but the early morning joggers as well. Aquatic sports are catered to by a 25*12m swimming pool that is maintained to strict hygiene standards. The institute also provides flood lit basketball, tennis and squash courts to ensure that students have sufficient venues to engage in games of their choice. To further complement these venues, the air-conditioned Student Activity Center (SAC) also houses a table tennis facility along with a billiards room for those interested in indoor activities.

Health Facility: The health center of the institute is a 24×7 functional body that provides OPD care and first aid facilities for the residents where prompt treatment for ailments and small wounds can be availed. A multi-bed hospital meant for admitting students with greater illness is also maintained. Facilities like ECG and Pathology for basic routine tests on weekdays are also available and can be availed as per need.

The Medical Claim and Accidental Insurance Policy (MCAIP) ensure timely hospitalization and the best of treatments available for the students. An ambulance meant for transporting patients from institute to Nazareth Hospital and SRN Hospital in case of major illness or emergency is available round the clock. Homeopathic treatment is available on selected days. The students are required to reveal their medical history of any type and nature such as asthma, epilepsy, HTN, diabetes or any other chronic illness, during the time of admissions so that proper treatment and care can be provided to them during emergencies or otherwise. A team of well qualified doctors headed by CMO Dr. R Dayal, ensure the best of health care for the residential students.





Services: All kinds of required network services, like DNS, NIS, NFS servers, Windows Domain Controllers, Mail and Web servers are managed and maintained by the lab staff and students. Services for Intranet and Internet are separated by firewall. The web and mail services are also appropriately divided for external and internal use. Further, efforts are ongoing to enable the campus with Wi-Fi Networks.

Networking

IIITA has a well established network infrastructure both for the local (LAN) as well as access to the internet. It is a medium-size network and approximately consists of 2000 nodes. The internal design is powered by providing dedicated wired as well as shared wireless network to every node in the campus. The network spans through every building on the campus using optical cables where high quality equipments (including layer 3 managed switches) have been installed ensuring a high speed intranet access during all hours of the day. The internet is facilitated by a dedicated link from National Informatics Center of 250Mbps bandwidth including a redundant wireless link of 10Mbps to ensure connectivity in case of technical breakdown. A centralized server room in the lecture theater monitors all network behaviour and facilitates distribution of the secure network to the entire campus. The IIITA network infrastructure is sophisticated and uses cutting edge technologies.

Software: The PC's use mainly Windows XP and Linux. The labs have a very rich repository of software ranging from integrated development environments for C/C++, Java, Visual Basic, to RDBMS like Oracle 9i, MySQL. Several specialized software for core labs or projects like Statistica, Rational Rose, SPSS 10.0, Argo UML, Systat 12 and various software for Testing and Decision Purposes for Managers have been acquired with adequate user licenses. ERP prototype packages are being acquired for facilitating the students with the latest in enterprise applications.

Hardware: Computer laboratories and the administrative buildings are derived from selected tessellated blocks in the star pattern. Out of IIITA's 35 labs the computer labs provided to the MBA/MS division comprises of Latest PCs having Core 2 Duo, Quad Core, i5, i7 with a 24 hours Internet access through 1 GBPS Leased line. Scanners, CD-DVD writers, Laser printers are also available in the Labs.

Item of Expenditure	Particulars		
	Sl. No	Detail	Occupancy
Hostels (no. of seats created) (1280 – Ann-01)	IIIT-A Jhalwa Campus		
	1.	Girls' Hostel – I	52
	2.	Girls' Hostel – II	88
	3.	Girls' Hostel – III	248
	4.	Boys' Hostel – I	264
	5.	Boys' Hostel – II	264
	6.	Boys' Hostel – III	264



	7.	Boys' Hostel – IV	352
	8..	Married Scholar Apartments	50
	8.	TOTAL	1502
Faculty housing (no. of units by type created)	Type	Sqm.	Quantity
	A	55	08
	B	85	28
	D	120	24
	E	165	06
	F	200	05
	Total		71
Laboratory facilities (no./type) (Names & Particulars of Labs given in Ann - __)	Name of Building		No. of Labs
	Computer Centre – 3		30 Labs, 12 Lecture Halls & 35 Faculty Rooms
	Computer Centre – 1 (Top Floor)		02
	Computer Centre – 2 (Top Floor)		02
	Lecture Theatre (Top Floor)		02
Library facilities	CD-ROMs, Online databases, audio-video cassettes, books, e-journals, patents, e-standards, theses, project reports and Newspapers etc.		
Technology infrastructure and facilities	Swimming Pool		
	Auditorium		
	1) Pavilion 2) Volleyball Court 3) Lawn Tennis Court 4) Athletic Track		
	Squash Court		
	Cafeteria		
	1) Health Centre 2) Bank & Post Office		





	3) Telephone Exchange 4) Shops, Dormitory 5) Student Activity Centre
	(RGIT-Amethi) 1) Auditorium 2) Canteen
Others	A. Computer Centre – 3 1) Lecture Halls 2) Faculty Rooms 3) Meeting Rooms 4) Laboratories 5) Essential Services Rooms
	B. Director's Residence & Camp Office
	C. HVAC & associated work
	D. Internal Furnishing for academic buildings, Hostels and Auditorium
	E. Office equipments
	F. Upgrading of Internet & Wi-Fi Facilities
	G. Sewage Treatment Plant
	H. Spillover of 10th Plan
	I. Expenditure towards Ongoing Constructions 1) Boys' Hostel – V 2) Residences Type II, III, IV

More Constructions

Name of the Building	Covered Area (in Sq.m.)
Boys' Hostel – V	19836.0
Girls' Hostel – III	10607.0
Additional Residences (54 nos.) [Type – I (06 nos.) Type – II (16 nos.), Type – III (20 nos.) and Type - IV (12 nos.)]	6424.15
Extension of Administrative Building	3660.00
Construction of Community Centre	705.00





Annual Report 2017-18



Construction of Security Office cum Reception Complex	150.00
Construction of Bus Stops at Campus	186.00
Construction of 69 no. 4-wheeler and 109 no. 2-wheeler parking place at CC-3 building	1270.00
SUBTOTAL (ii)(c)	42838.15

Hostel Facilities

The Institute has state-of-the-art Hostel facilities for both Boys and Girl students with good ventilated rooms equipped with computers, fully air-conditioned modular Mess with electronic equipments and playing facilities.

Hostel	Single Rooms	Double Rooms	Total Rooms	Occupancy Capacity
Girls' Hostel – I	10	21	31	52
Girls' Hostel – II	10	39	49	88
Girls' Hostel – III	128	48	176	224 (+ 24 single suites)
Boys' Hostel – I	108	78	186	264
Boys' Hostel – II	108	78	186	264
Boys' Hostel – III	108	78	186	264
Boys' Hostel – IV	168	92	260	352
Boys' Hostel – V	347	210	557	767 (+ 64 single suites)
Married Scholars' Apartments			50	50
	TOTAL			2325

Residential facilities

Sl. No.	Existing Accommodation	No. of Rooms
1.	Number of Faculty houses (F type, 200 Sqm.) (E type, 165 Sqm.) (D type, 130 Sqm.) (C type, 110 Sqm.) (B type, 85 Sqm.)	65 05 14 28 02 16
2.	1. Visitors' Hostel I*: AC Room suites	10





(Refrigerators, TV, computer facilities in six suits), all double beds)	
AC Rooms (TV, All Double beds)	20
Non-Ac Rooms	10
(*Dining Hall, cyber café-3 computers, gym facilities)	
2. Visitor Hostel II:	-
(For VIP / International Visitors mainly with all essential facilities)	
3. Visitor Hostel III:	28
AC Suites, AC single	02
(All double beds, refrigeration in 17 suites, TV with computer in all 30)	

3.	More Residential Accommodation			
Sl. No.	Type of Quarter	Area	No. of Quarters approved by the Board	No. of Quarters constructed in First Phase
1.	Type – I	55 Sqm.	12 (2 blocks)	06
2.	Type – II	85 Sqm.	32 (2 blocks)	16
3.	Type – III	100 Sqm.	40 (2 blocks)	20
4.	Type – IV	120 Sqm.	24 (2 blocks)	12
			108	54

Classroom Infrastructure

1	Campus area in acres	100 Acres
2	Total number of class rooms - 32 Computer Centre CC1 Computer Centre CC2 Lecture Theatre LT Nehru Science Centre NSC C.V. Raman Bhawan (CC-III)	05 05 10 03 12
3	Number of Faculty cabins - 108 Computer Centre CC1 Computer Centre CC2 Lecture Theatre LT Nehru Science Centre NSC C.V. Raman Bhawan (CC-3)	22 22 10 05 54
4	Number of laboratories - 72 Computer Centre CC1	16 16



Computer Centre CC2	05
Lecture Theatre LT	05
Nehru Science Centre NSC	01
C.V. Raman Bhawan (CC-3)	30

7.2 LABS AND RESEARCH FACILITIES

Computer laboratories and the administrative buildings are derived from selected tessellated blocks in the star pattern. A lot of emphasis is laid on research and learning via project work. This is exemplified by the numerous laboratories setup for research and projects pertaining to various emerging and contemporary fields like image Processing, Wireless Communication, Neural Networks, VLSI, Robotics and Bio-Informatics to name a few. They house softwares from widely used to be state-of-the-art technology. Laboratories that have been set up can be classified into two categories – general and specialized laboratories. Students have been provided independent systems in at least one general laboratory. Students can use laboratory facilities all round the clock. Laboratories open at their request, so students can conveniently work even when it is a public holiday. They can use these systems to install and run programs of their choice, carry out assignments and project works under course curriculum.

The computer labs comprise of latest PCs having Core 2 Duo, Quad Core, I5 with a 24 hours Internet access through 1 GBPS Leased line, Scanners, CD-writers, Laser printers are also available in the Labs. Multimedia projectors, Webcams, Video Cameras are extensively used for communication skills labs and various Presentations. Efforts are on to provide students with the latest Laptops. All computer points are backed by 100% Uninterrupted Power Supply.

Software: The PC's use mainly Windows XP and Linux. The labs have a very rich repository of software ranging from integrated development environments for C/C++, Java, Visual Basic, to RDBMS like Oracle 9i, MySQL. Several specialized software for core labs or projects like Statistica, Rational Rose, SPSS 10.0, Argo UML, Systat 12 and various software for Testing and Decision Purposes for Managers have been acquired with adequate user licenses. ERP prototype packages are being acquired for facilitating the students with the latest in enterprise applications.

The Institute maintains licensed copies of all software (systems, applications and academics) that students require and ensures that the licenses are kept up to date. It discourages the use of illegally procured software. Students have the prerogative to request the Institute to procure any software or hardware that they require in their assignments, projects or research activities.

RESEARCH LABORATORIES

The Institute has about 35 specialized labs for B.Tech & M.Tech students and research labs in the following specialized areas for Ph.D. students. Some of them are:

- Signal Processing Laboratory
- Computer Graphics Laboratory
- Digital Data Communication Laboratory





- Robotics Laboratory
- Bio-informatics Laboratory
- Electronics Laboratory
- Wireless computing Laboratory
- Embedded Systems Laboratory
- VLSI Design Laboratory
- VLSI Fabrication Laboratory
- MBA-IT Computing Laboratories
- Research Laboratories (MBA / MSCLIS)
- MSCLIS Computing Laboratories
- Information Security Lab
- Forensic Lab
- Data Center Lab
- Project Laboratories

Facilities

1. 4 sets Virtual Reality System
2. 2 sets VR Platform
3. Neural/ brain Signal Capture System
4. Smell, Taste Sensor & associated
5. 3D Projector system
6. 3D Scanner system
7. Other supportive devices

MICROELECTRONICS LAB

A new microelectronics laboratory has been set up at IIIT/A recently with modern fabrication tools. Students get comprehensive training on design, fabrication and analysis of VLSI circuits and systems. Special emphasis is given to design at the FPGA level. Simulation of tasks for designing microelectronics circuits at micron and sub-micron level can be done.

The Institute has signed MoU with EPFL, Switzerland for establishment of centre of excellence in Microelectronics supported by Department of Science and Technology Govt. Accordingly the lab has been developed to become one of the best labs with up-to-date facilities in Microelectronics.

COMPUTER FORENSICS LAB

This lab is the first of its kind in an academic institution in the country. It houses much proprietary software and hardware's including mobile forensic work stations.

North Zone Resource Centre for generating Contents, Mentors/Teachers etc. by conducting specialized Short term HRD Courses for IT/ITES sector

The centre has developed e-content in twelve designated areas ranging from computer science and e-services.





VLSI DESIGN LAB

This lab gives a unique opportunity to work in a clean environment towards development of VLSI designs and also exposes students in area of etching and related practices. Students have the prerogative to request the Institute to procure any software or hardware that they require in their assignments, projects or research activities.

MBA-IT & MSCLIS COMPUTING LABS

These are the general purpose programming labs meant for programming and research for the students enrolled in MBA (IT) and MSCLIS Program.

RESEARCH LABORATORIES (MBA/MSCLIS)

This is a specialized research lab wherein research scholars are working.

FINANCE LAB

Many databases are subscribed for Research & Development eg. Capitalline, india stat, Systat etc.

INFORMATION SECURITY LAB

- ❖ A full-fledged Information Security Laboratory is set up for manpower training.
- ❖ A number of useful software's have been managed and installed.

ROBOTICS AND ARTIFICIAL INTELLIGENCE LAB

The main vision of the laboratory is to nurture young minds towards creativity and steer their talents towards high quality research in different areas of Robotics and Intelligent Systems using Information Technology.

The laboratory provides state-of-the-art facilities to learn complex concepts of Artificial Intelligence. Students are encouraged to learn by doing it through many available development environments like Humanoid Open Architecture Platform (HOAP), Interactive Graphics Robot Instruction Program (IGRIP), Humanoid & Mobile Robot Simulation Platform, WEBOT, where students can create and control different kinds of robots using both C++ and Java. Apart from that we have hardware robots which include Humanoid robot HOAP-2, manipulating robots like Robix, SCARA and LEGO Mind storm kits. Our mission is to create an international standard for research and teaching, excel in the area of robotics and cognitive sciences, produce high quality engineers having self confidence and who can take part in nation's knowledge building endeavor and create a brand name for the Institute as a temple of learning. At present the laboratory has a number of collaborations like with Bio inspired robotics group of EPFL, Switzerland, Artificial Limb Manufacturing Corporations (ALIMCO), Kanpur.

Following are some of the project modules –

- Development of Adaptive Modular Active Leg (AMAL)
- Maneuvering Robotics Arm using Robix Software
- Implementing technology on Humanoid Open Architecture Platform (HOAP)
- Implementing Programmable Logic Controller (PLC) for designing industrial automation
- Simulation and fast prototyping of humanoid robot actions on Webots



List of Devices (1 to 5) purchased from FIST Project available in SILP lab, IIIT-Allahabad



1. DG5-V Hand Data Glove 3.0 (1 Pair):

Hand Data Glove is an input device for human-computer interaction worn like a glove. In a Data Glove, five sensor strips captures bending of fingers, and a motion tracker captures the rotation movement of wrist. Thus this device converts hand movement into digital data, which can be recognized as gesture such as Sign Language. Therefore, several Human-computer programs can be developed, which could be controlled through user's hand movements. Several B. Tech and M. Tech semester projects based on this device have been done.

2. Face Tracker Device (1 Qty.):

Face Tracker Device converts the movements of parts of a person's face (such as forehead, eyebrow, cheek, lip, Chin etc.) into digital signals using camera and laser light. This digital signal is used to produce computer animation for movies, games, or real-time avatars. Because the motion of computer graphics characters is derived from the movements of real people, it results in more realistic computer character animation.

3. The Mirage Augmented Reality Head-mounted display (1 Qty.):

Head-mounted display (HMD) is a Virtual Reality display device, worn on the head that has a small display optic in front of eyes. It allows a computer-generated virtual image to be superimposed on a real-world view. Several student-semester projects based on this device have been done.

4. a) IBM System X3400 Server (4 Qty.) and b) IBM DS3400 FC System Storage (2 Qty.)

Servers and Storages are used to store open-source datasets; open-source library; student projects; research papers; courseware materials, such as presentation, demo, video, e-book etc. and provides download facility to students via ftp service.





5. **SR Research EyeLink 1000 Eye Tracker (1 Qty.):**

EyeLink 1000 Eye tracker is a video input based system, which measures the point of gaze (where one is looking) on a screen. Eye trackers are used in research on the visual system, in psychology, in cognitive linguistics and in product design. Several B. Tech and M. Tech semester projects based on this device have been done and some projects and research works are going on.

6. **Emotive EEG NeuroHeadset (1 Qty.):**

The NeuroHeadset has 14 electrodes as well as a two-axis gyroscope for detecting head movements. The device detects 13 kinds of movement - six directions (left, right, up, down, forward, and "pull/zoom") and six rotations (clockwise/ anti- clockwise rotation, turn left and right, and sway backward and forward), plus one other visualization ("disappear"). The angular velocity of one's head can be measured in the yaw and pitch (but not roll) directions by the gyros embedded in the device. Several B. Tech and M. Tech semester projects based on this device have been completed and some projects and research are continue.

Introduction of SILP Lab (#4222)

Speech, Image and Language Processing Lab abbreviated SILP lab, provides facilities to researchers and students to perform research and experiments in computer science and Information Technology. The core area of these research and experiments are:

- (a) Automatic speech and speaker recognition;
- (b) Text to Speech and vice versa conversion;
- (c) Music analysis and retrieval;
- (d) User's Eye movement Analysis for HCI and behaviour recognition;
- (e) Language Processing;
- (f) Document Summarization;
- (g) Virtual reality systems such as Augmented Reality HMD, Face tracker and Hand data gloves;
- (h) Information retrieval;
- (i) Image Processing;
- (j) EEG Signal analysis;
- (k) Video Processing for HCI and visual surveillance;
- (l) Cognitive processing and modelling;
- (m) Affective computing.

All M. Tech students and Research scholars, supervised by Prof. U. S. Tiwary, are the member of this lab. This lab opens 24 X 7 days for research and experiments.



7.3 LIBRARY FACILITIES

The sun pattern has been chosen for laying out the library. The IIIT-A library is stocked with books that cater to the student's academic and research requirements. Audio and multimedia versions of some course modules are also available. In addition, dictionaries, journals, thesaurus and encyclopedias are provided for reference purposes. Present is an electronic library that provides students with connectivity to the latest technological material through networked workstations. There are a total of 25 systems distributed over two floors. Reading space is also provided at convenient locations. There is a premier section of Theses/Project Reports for the students. This new library has already acquired more than 50,000 books on various courses along with IT related latest titles. The library uses web-based software, developed in-house, for maintaining the database and circulation related daily operations. Besides, Institute is also the member of INDEST consortium, through which all ACM Digital Library, IEEE Digital Explore, Elsevier-Science Direct, Springer, Emerald Management, Harvard Business Review, Sage Online Journals etc. and various tutorials and journals are accessible throughout the campus, in digital form.

LIBRARY Functioning

- Before the beginning of each semester a mail is floated to Faculty members and students for procurement of books, journals, magazines, database based on current Industry trends and practices.
- The various requisitions are processed and finally the order is placed in consultation with the competent authority.
- The library has optimum blend titles, covering reference interests and also text books.
- If required special orders are also placed during the mid semester

Peripheral Activities in the Library

- Tracking of Usage Rate and Renewing the Subscription of Journals, Magazines, Databases accordingly.
- E-Books repository is being created
- Archiving of Thumb impression Library
- Subscription for Plagiarism Checking Website

a). The Conventional Library

The mission of the IIIT-A Library is to provide information services and access to bibliographic and full text digital and printed resources to support the scholarly and information needs of the Institute Community. The Library is well equipped with modern facilities and resources in the form of CD-ROMs, Online databases, audio-video cassettes, books, e-journals, patents, e-standards, theses, project reports and Newspapers etc. The library homepage provides electronic access to various full text & bibliographical databases & e-journals. Links from the library homepage provide the information on library policies, hours, collections, services, sections and the location of materials. The library hosts all its catalogues online through web interfaces for search and status of documents and readers. It is also equipped with auto generated mailing services to the members for reservation of documents, issue /



Annual Report 2017-18



return notification, loan status, overdue status and new arrivals in the library. Students can locate the books of their choice from their desktop on a click. The web-enabled MIS used in the library is a software product and copyright of IIIT-A itself.

The IIIT-A Library is stocked with books that cater to the students' academic and research requirements. Audio and Multimedia versions of most of the course modules are available in electronic section. In addition dictionaries, thesaurus and encyclopedias are provided for reference purposes.

Procurement

Books or any other document for the library can be procured on the recommendation of faculty members
Cross checking of the book(s) with requisition details given by the faculty member(s)
Registration / Stock Entry of the received books

Database Entry and placement of the books

- Database entry of each and every book is done online according to the accession number which also indicates the location of book
- Books are placed in various shelves according to the shelf number
- At least one copy of every title is kept in the library for reference purpose

Circulation Process

Opening of library account and issuing of the books on the basis of Institute's Identity Card

Online book reservation facility is available through OPAC if the book is not readily available in the library

Auto generated e-mail alert facility for New Arrivals, Loan Status, Overdue Reminder and availability status of reserved books etc. is sent to every registered member.

Full Text Online E-resources

Online e-resource like – IEEE, ACM Springer, Elsevier – Science Direct (Computer Science), Elsevier – Science Direct (Management), Emerald Management and Sage Publication etc. subscribed by the Institute with IP authenticated (user name and password is not required), multiple user accessibility with unlimited download facilities are available within the Campus. Following are brief details of Library:

Sl. No.	Collection				
	Books	Online Journals	Magazine	CDs / Softwares	Lectures / Video Courses
1.	58675	12936	55	2850	1005

Following online full text databases are being subscribed by the Institute based on IP authenticated (Username and Password is not required) multiple user accessibility, full text of current and archival issues with unlimited download facilities –

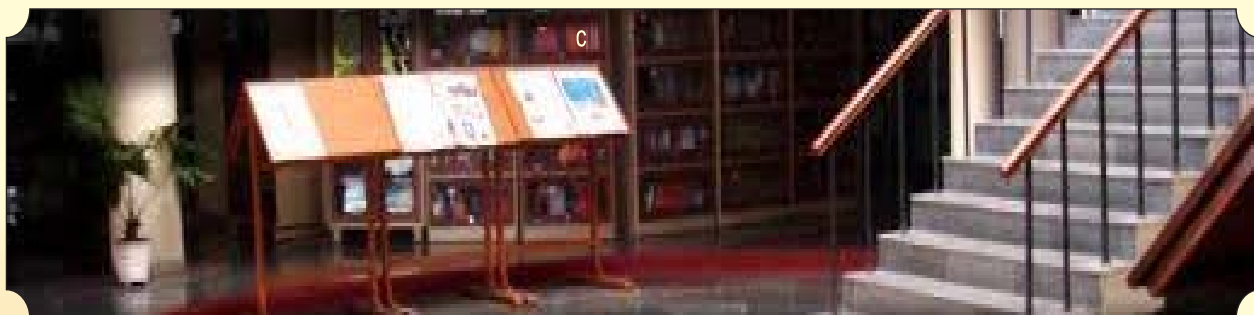
1. ACM Digital Library
2. IEEE / IEE Electronic Library (Journals)
3. IEEE / IEE Conference Proceedings
4. IEEE / IEE Standards





5. Springer Link
6. Emerald Management
7. Elsevier – SD (Computer Science)
8. Elsevier – SD (Business, Management & Accounting)
9. Sage Publication (Management & organization studies)
10. Sage Publication (Criminology)

Glimpses of IIT-A Library





Scholarship/Fellowship/ Assistantships



8. Scholarship /Fellowship /Assistantships

There are various scholarships/financial assistantships provided by the Central & State Government to the students of the Institute. A brief overview of some of the various Scholarships is as follows:

SCHOLARSHIPS			
S. No.	Name of the Scholarship	Eligibility Criteria	Amount Re-imbursable (in Rs.)
1	Post Matric Scholarships (State Wise)	As decided by the concerned State Governments. Some of them are :- (a) Uttar Pradesh Post Matric Scholarship (b) Madhya Pradesh Post Matric Scholarship (c) Bihar Post Matric Scholarship (d) Uttarakhand Post Matric Scholarship (e) Maharashtra Post Matric Scholarship (f) Andhra Pradesh Post Matric Scholarship (g) Telangana Post Matric Scholarship (h) Rajasthan Post Matric Scholarship	As decided by the State Government.
2	Post Matric Scholarships Scheme for Minorities	Scholarship will be awarded to the students who have secured not less than 50% marks or equivalent grade in the previous final examination and the annual income of whose parents/guardian from all sources does not exceed Rs.2.00 Lakh . 30% of scholarship will be earmarked for girl students.	Admission and tuition fees subject to a maximum ceiling of Rs. 3,000/- p.a. and maintenance allowance for 10 months @ Rs. 380/- p.m. for Hosteller and @ Rs. 230/- p.m. for Day Scholar.
3	Merit Cum Means Scholarship For Professional and Technical Courses CS	Students who get admission to a college to pursue technical/professional courses, on the basis of competitive examination will be eligible for the scholarship. The annual income of the beneficiary/parent or guardian of beneficiary should not exceed Rs.2.50 lakh from all sources.	Course fees s.20,000/-per annum or Actual whichever is less and maintenance allowance for 10 months @ Rs.10,000/- p.a. (Rs.1000/-p.m.) for Hosteller and Rs.5,000/- p.a. (Rs.500/- p.m.) for Day Scholar
4	Post-matric Scholarship for Persons with	The students having more than 40% disability (Certified by competent medical authority of the state Governments/UTs.)	Maintenance allowance p.m. Rs. 1,200/- for Hosteller and Rs. 500/- for Day Scholar. Transport





	Disabilities	are only eligible. Scholarship will be paid to the students whose parents /guardians' income from all sources does not exceed Rs.2,50,000/-per annum.	Allowance @ Rs.160/- p.m.Escort Allowance @ Rs.160/- p.m. for severely handicapped day scholar students with low extremity disability. Reimbursement of compulsory non-refundable fees.Book Allowance Rs. 1,200/-
5	Scholarships for Top Class Education for students with disabilities.	Student with disability having not less than 40% disability.Total income from all sources of the candidate and/or his/her parents/guardians, shall not exceed Rs.6,00,000/- (Rupees six lakh only) per annum.	Reimbursement of tuition fees and non-refundable charges up to Rs. 2.00 lakh p.a.Maintenance Allowance Rs. 3,000/- p.m. for hostellers and Rs. 1,500/- p.m. for Day Scholars.Special Allowance Rs. 2,000/- p.m.Books & Stationery Rs. 5,000/- p.m.Reimbursement of expenses for purchase of a computer with accessories Rs. 30,000/- per awardee as a one-time grant for entire course.
6	Top Class Education Scheme for SC Students	Merit of SC Students in the institute The parental annual income from all sources does not exceed Rs.4.50 lakh.	Tuition Fees - 2,00,000/- Living Expenses - 26,640/- Books & Stationary - 3,000/- Purchase of computer (OTG) - 45,000/-
7	National Fellowship and Scholarship for Higher Education of ST Students - Scholarship (Formally Top Class Education for Schedule Tribe Students) - only for scholarships	The parental annual income from all sources does not exceed Rs.6.00 lakh.	Tuition Fees - 2,00,000/- Living Expenses - 26,400/- Books & Stationary - 3,000/- Purchase of computer (OTG) - 45,000/-
8	Central Sector Scheme of Scholarships for College And	Students who are above 80th percentile of successful candidates in the relevant stream for a particular Board of Examination, in class XII of 10+2 pattern or equivalent	The rate of scholarship would be Rs.1000/- p.m. at Graduation level for first three years of College and



Annual Report 2017-18



	University Students	and not belonging to the creamy layer. Scholarship will be paid only to those students whose parent's/guardian's income from all sources does not exceed Rs.4.5 Lakh p.a.	University courses and Rs.2000/- per month at Post-Graduation level. Students pursuing professional courses would get Rs.2000/- per month in the 4th and 5th year. The scholarship would be paid for 10 months in an academic year.
10	Indian Oil Scholarship(IOC L)	1.600 scholarships are offered to students pursuing professional courses (Engineering-300 Nos., MBBS-200 Nos. & MBA-100 Nos.).2. On all India basis- for General (UR) - 65 % marks in qualifying exam.- for SC/ST/OBC - 60% marks in qualifying exam.- for Girls - 60 % marks in qualifying exam.- for PH - 50% marks in qualifying exam	Rs. 3,000/- p.m
11	ONGC Scholarship(Oil & Natural Gas Corporation Scholarship)	1. For SC/ST only.2.The scholarships are open for studies in India and for Indian nationals only.3. Candidate should be a student of 1st year of Graduate Engineering or MBBS courses or 1st year of Masters degree in Geology/Geophysics or MBA. The scholarship shall be admissible only for pursuing full time regular courses by ISC/CBSE/MCI/AICTE/UGC/Association of Indian Universities/State Education Boards/State Government/Central Government.4. Students pursuing four years Engineering/MBBS courses/Two years Masters course in Business Administration &Two yearsMasters degree in Geology/ Geophysics are eligible.5. Candidate should have obtained minimum 60% marks in 12th class for Engineering and MBBS disciplines. Similarly 60% marks are necessary in graduation for P.G. Courses i.e. Geology/Geophysics/MBA. Overall Grade Point Average (OGPA/CGPA) of minimum 6.0 in 10 points scale of grading system.6. The specific zone where a student can apply for scholarship shall be decided on the basis of	Rs. 48,000/- p.a.





		the location of University/College/Institute in which the student was studying for the qualifying examination (i.e. 12th class for Graduate courses and Graduation degree for Post Graduate courses) irrespective of the domicile of the student.7. Gross annual income of family of the candidate from all sources should not be more than ? 4.50 lakhs per annum (i.e. Rs. 37,500/- per month).8. The candidates should not be availing or intend to avail any other financial assistance/scholarship from any other source. However, in case of student getting fee waiver/ reimbursement of tuition fees from any of the State governments are eligible for applying for the scholarship.9. The award of the scholarship shall not confer any right of employment with ONGC group of companies or its joint ventures.	
12	NHFDC Scholarship (National Handicap Fund & Development Corporation)	1. These scholarships will be available for studies in India, by all differently abled students who are covered under the Persons with Disabilities (Equal Opportunity, Protection of Rights and Full Participation) Act, 1995 and the National Trust for the Welfare of Persons with Autism, Cerebral Palsy, Mental Retardation and Multiple Disabilities Act, 1999. Only Indian Nationals will be eligible for scholarships.	1. Maintenance Allowance (For 10 months only)-Rs.2,500 p.m. for Profession Graduate Courses.- Rs.3,000 p.m. for Profession Post-Graduate Courses.2. Book/Stationery allowance - Rs.6,000/- p.a. Profession Graduate Courses.- Rs.10,000/- p.a.for Profession Post-Graduate Courses.
13	Institute Scholarships		
	(a) Merit-cum-Means Scholarship	1. S.G.P.I. for 1st Semester and C.G.P.I. for 1st year, 2nd year and 3rd year should be greater than 8.50. 2. Parental income should not exceed Rs. 5.00/- lakh p.a.	Rs. 36,000/- p.a.
	(b) Merit Incentive Scholarship	1.S.G.P.I. for 1st Semester and C.G.P.I. for 1st year, 2nd year and 3rd year should be greater than 8.50. 2. Depending on the strength of students of a particular programme the number of ranks	Rs. 45,000/- for first rank Rs. 40,000/- for second rank Rs. 38,000/- for third rank Rs. 37,000/- for fourth rank



Annual Report 2017-18



		are decided. - Strength grater than 200 - first five ranks to be awarded - Strength bet. 101 to 200 - first three ranks to be awarded - Strength bet. 61 to 100 - first two ranks to be awarded - Strength bet. 05 to 60 - only first rank to be awarded - Strength below 05 - not to be awarded	Rs. 36,000/- for fifth rank
14	Department Scholarships	The scholarships provided by the employer of the parents of the students.	As per their norms.





The Statistics



9.1 Financial Statistics for the year 2017-18

CAPITAL (OH: 35):-

The MHRD, GoI released Grant-in-aid Creation of Capital Assets (OH: 35) of Rs. 26,00,00,000/- during the Financial year 2017-18 to the Institute. Besides this, The Ministry of Social Justice and Empowerment, New Delhi released Grant-in-aid Creation of Capital Assets (OH: 35) of Rs. 14,45,000/- during the Financial year 2017-18 to the Institute as balance 3rd installment. The details are given below:-

Sanction No.	Dated	Amount (in Rupees)
F.No. 45-1/2017-TS.1 (GEN – 35)	27.04.17	4,65,00,000
F.No. 45-1/2017-TS.1 (SC – 35)	27.04.17	90,00,000
F.No. 45-1/2017-TS.1 (ST – 35)	27.04.17	45,00,000
Total amount (A)		6,00,00,000
F.No. 45-1/2017-TS.1 (GEN – 35)	29.12.17	13,14,10,000
F.No. 45-1/2017-TS.1 (SC – 35)	29.12.17	1,23,50,000
F.No. 45-1/2017-TS.1 (ST – 35)	29.12.17	62,40,000
Total amount (B)		15,00,00,000
F.No. 45-1/2017-TS.1 (GEN – 35)	29.03.18	3,87,50,000
F.No. 45-1/2017-TS.1 (SC – 35)	29.03.18	75,00,000
F.No. 45-1/2017-TS.1 (ST – 35)	29.03.18	37,50,000
Total amount (C)		5,00,00,000
No: 11015/16/2014-BC1 dated 12.07.17 (OH: 35) (Ministry of Social Justice & Empowerment)		14,45,000
Total amount (D)		14,45,000
Net Total (A+B+C+D)		26,14,45,000

Against total available funds during the Financial year 2017-18 of Rs. 32,86,15,000/- {Opening balance: Rs. 6,31,86,000/- + Internal Accrual (Interest received): Rs. 39,84,000/- + Grant received: Rs. 26,14,45,000/-}, a sum of Rs. 22,89,59,000/- was utilized for the purpose for which the Grant was sanctioned leaving an unspent balance under Capital Head (OH: 35) of Rs. 9,96,56,000/- as on 31.03.18.

9.2 Placement

The campus for recruitment in 2017-2018

Company	Students Placed
Amazon	13
Arcesium	1





Arista Networks	5
Capegemini	5
Cisco	5
CitiCorp	6
Delhivery	2
Deutsche Bank	7
Digital Green	2
Directi (Application)	3
Edelweiss	2
Fastfox.com	2
Fidelity Investments	7
Flipkart	2
GE Digital	1
Goldman Sachs	7
Google	1
Happay	6
Hashedin	5
Hike	2
Icon Resources	1
Infoedge	5
Infosys	3
Infosys R&D	3
Infozech	2
ION	2
JDA	3
Kronos	2
LinkedIn	3
Mahindra	1
MAQ	3
Microsoft IDC	3
Mobikwik	2
Morgan Stanley	7
Newgen	3
Nucleus	4
OneAssist	3
Paytm	5



Annual Report 2017-18



Qualcomm (Hardware)	9
RBS	4
Sabre	6
Samsung Delhi	39
SAP Labs	2
Shopclues	1
Sumologic	2
TCS	3
Telstra	1
Tesco	2
Treebo	3
UBS	9
Valuefy	4
Vassar Labs	1
Vehant	2
Walmart Labs	3
Wipro	3
Yatra	4
ZS Associates	3





9.3 Medals and Awards

Chairman's Gold Medal for the Year - 2018



Nishit Gupta (IIT2014502)

List of B.Tech. IT Students recommended for Award of Institute Medals Academic Batch July 2014 – June 2018



GOLD

Nishit Gupta
(IIT2014502)



SILVER

Tirth Vikramkumar Jani
(IIT2014072)



BRONZE

Sahil Prakash
(IIT2014504)

List of B.Tech. ECE Students recommended for Award of Institute Medals Academic Batch July 2014 – June 2018



GOLD

Ayush Singh
(IEC2014065)



SILVER

Ankit Arora
(IEC2014080)



BRONZE

Shantal Raj
(IEC2014056)





Annual Report 2017-18



List of MBA Students recommended for Award of Institute Medals Academic Batch July 2016 – June 2018		
		
GOLD	SILVER	BRONZE
Manas Singh (IMB2016003)	Utkarsh Sarkar (IMB2016001)	Nitish Kumar Singh (IMB2016006)

List of Integrated M.Tech. in Biomedical Engineering Students recommended for Award of Institute Medals Academic Batch July 2013 – June 2018			
			
GOLD	SILVER	SILVER	BRONZE
Aamna Lawrence (IBM2013001)	Shatakshi Singh (IBM2013033)	Rakhi Agarwa (IBM2013041)	Himanshu Kumar (IBM2013023)

List of Five Years Dual Degree B.Tech. (IT) – M.Tech. (IT) Specialization in Robotics and Software Engineering Program Students recommended for Award of Institute Medals Academic Batch July 2013 – June 2018		
		
GOLD	SILVER	BRONZE
Arnab Kanti Kar (IRM2013019)	Naimish Agarwal (IRM2013013)	Anurag Sharma (ISM2013018)





List of M.Tech. in IT
Students recommended for Award of Institute Medals
Academic Batch July 2016 – June 2018

		
GOLD	SILVER	BRONZE
Aqsa Javed (IBI2016001)	Devender Kaushik (ISE2016006)	Mainak Bhattacharya (IWC2016005)

List of M.Tech. in EE
Students recommended for Award of Institute Medals
Academic Batch July 2016 – June 2018

		
GOLD	SILVER	BRONZE
Awdhesh Pandey (IMI2016001)	Ankit Mishra (IMI2016008)	Sundip (IMI2016003)

9.4 Events of the Year

01st April, 2017 to 31 March, 2018

Date	Subject
18 May, 2017	In the survey conducted by India Today magazine, Indian Institute of Information Technology, Allahabad got 11th position in top 25 engineering colleges in the country. The special thing is that IIIT is at the fifth position in top 5 engineering colleges of North India. The journal has conducted this survey with a well-known survey agency. IIIT was ranked 19th in the survey conducted by it in 2016. One-year old ranking has improved. Founded in 1999, IIIT received a total of 49.79 points.
21 June, 2017	The International Yoga day was celebrated with great enthusiasm by IIIT-Allahabad. Hundreds of students, teachers and employees celebrated the day by doing aasanas, pranayam, meditation etc on the Jhalwa campus here. Prof. U.S. Tiwary,





Annual Report 2017-18



	its officiating Director, IIIT-A inaugurated the event. Dr. Akhilesh tiwari converner of programme. said that this year the institute had started a week-long yoga campus for the IIIT-A people from June 15 on its campus where senior faculty members from the Art of Living, Allahabad imparted training to 50 people comprising students and staff. During the camp, Pranay, Komal and Abhishek all AOL expert yoga teachers briefed about the essence of yogic exercise on the health of Individuals.
03 July, 2017	Country's first three semester system at IIIT-A by 2020: A new vision plan is being drafted for Indian Institute of Information Technology, Allahabad (IIIT-A) to scale new heights in academic and research fields. Sharing his views about it, newly appointed director of the Institute Prof. P. Nagabhushan said a tree-semester system will be implemented at the Institute by 2020. It will be first-of-its-kind in the country, he added. He was talking to reporters on the Institute's Jhalwa campus on Monday. Nagabhushan, who took charge on May 19, also briefed the media about the vision prepared for IIIT-A to mark 20 th year of its foundation in 2019. He spoke about restructuring academic departments as schools of learning containing many centres/departments having their own specialization themes.
10 July, 2017	On the occasion of 75 the anniversary of Quit India Movement various Institution and political parties observed the day and informed about the importance of the day on Wednesday. The faculty members at Indian Institute of Information Technology, Allahabad (IIIT-A), on the occasion of 70 years of completion of independence and 75th anniversary of quit India Movement pledged to building up new India. Speaking on the occasion, Director IIIT-A, said he made an appeal to one and all to realize the dream of building up new India, through commitments, determination, imagination, creativity and resolve. Prof. Uma Shankar Tiwari, Dean Human Resource, Sworn the oath of new India to the officials, employees and students present on the occasion.
21 August, 2017	Classical artistes to perform at IIIT-A: A gathering of classical music and dance lovers of Indian Institute of Information Technology, Allahabad were treated to a memorable performance by classical guitarist and Padmabhushan awardee Pandit Vishwa Mohan Bhatt, classical singers Pandit Ritesh and Rajnish Mishra and Padmshri Awardee Vidushi Ananda Shankar Jayant on Monday. Pandit Vishwa Mohan Bhatta took the stage with Mohan Veena which he had created himself. The stalwart presented several raag, brilliantly misining all the emotions. He continued to intersperse his music with interesting anecdotes. Brothers Rajnish and Ritesh Mishra, known for their ability to create heavenly music that soothes the mind, body and soul, enthralled the audience through their classical vocal performance. The Program entitled UP Virasat 2017 was jointly organized by SPIC MACAY and IIIT-A Heritage Club. The Foundation is working advance classical and promote





	classical music, dance and the fine arts in the state besides assuming the responsibility to preserve and archive classical music. Dr. Asheesh Goel, Commissioner inaugurated the event and the chief guest while justice Girdhar Malviya graced the occasion as guest of Honour. Prof. P Nagabhushan, Director, IIIT-A welcomed the guest.
31 August, 2017	IIIT-A to croon Ye Hai Time India Ka : to celebrate 70 years of Independence and 75 years of Quit India movement, the Indian Institute of Information Technology, Allahabad organized a rock concert on Friday. The programme, Yeh India Ke Time Hai, was being organised as per directives of Human Resource Development Ministry initiative. IIIT-A is one of the 75 selected institution in the country for holding this special programme. The bands are being identified and deputed by the ministry of Information and broadcasting through the National Film Development Corporation (NFDC). Famous Delhi Indie Project band from New Delhi will present the programme at IIIT-A.
9 September, 2017	12 th Convocation of IIIT-A: As many as 490 students of the Institute of Information Technology, Allahabad were awarded degrees on Saturday. Medals were awarded to 19 meritorious students while 22 research scholars were conferred with PhD degree. Apoorva Agarwal was awarded the Chairman's Gold Medal for 2017. Swapnil Saxena, Dikshant Gupta and Qjusvini Agarwal were awarded gold, Silver and bronze medals respectively for Btech(IT). In B Tech (ECE), Apoorva Agarwal got gold, Hetiraj Himanshu Silver and Kriti Vaish bronze medal. Ayushi Tiwary was given gold. Akriti Gupta Silver and Ayush Tiwary bronze in MBA. In five year integrated M. Tech (Biomedical Engineering), Mehul Agarwal got Gold, Karnika Singh Silver and Juhi Jaiswal Bronze, M. Tech (IT) Puja Srivastava (IHC) gold, Deeksha Agarwal (IWC) Silver and Gayathri R (ICL) bronze. M Tech. Technology need of the hour to transform India' India has launched major programmes to take advantage of nine disruptive technologies that are changing the entire world, said Padma Bhushan Dr. V. K Saraswat, member, NITI Aayog and former director general of Defense Research Development Organisation (DRDO). He was speaking as the chief guest at the 12 th convocation of Indian Institute of Information Technology, Allahabad on Saturday. Ravi Kant, Chairman, board of governors, IIIT-A, who presided over the convocation, said the institute had the opportunity to become a catalyst to usher in robotics, artificial Intelligence and digitization revolution to ensure that India achieves one of the highest productivity gains and earns competitive advantage.
27-29 September, 2017	Three day event "All India Student Young Professionals Women in Engineering Congress" (AISWYC) organized by the Institute of Electrical and Electronics Engineers (IEEE), India commenced at Indian Institute of Information Technology, Allahabad (IIIT-A) on Wednesday. Prof. H.P. Khncha Professor at Indian Institute of



Annual Report 2017-18



	Science, Bangalore, delivered the key note address. He said that value education sympathy, ethics are important for the young engineering professionals. Energy technology and communication technology were two important tools for development of society. He elaborated the themes imagine, engineer, enlighten, empower as necessary for young engineers. Prof.Nagabhushan, Director, IIIT-A called upon engineering students to invent more technology for development of society. He said women were born engineers. He highlighted the successful journey of IIIT-A in the country. He congratulated the IEEE for having developed such good rapport with engineering students and the institute. Students from more than 80 institutes in about IEEE Regions attended the all India student Young professional Women in Engineering congress
12-15 October, 2017	Effervescence -2017, the four-day cultural fiesta of IIIT-A witnessed the performance of International artists this year. On the eve of the inauguration of the festival, Carlos Elliot Junior (Colombian Band) a hang drum artist from Colombian would perform. Carlos Elliot Junior has performed in so many countries. IIIT-A Director Prof. P. Nagabhushan inaugurated the festival on Thursday evening. Artist under the aegis of North Central Zonal Cultural Center, (NCZCC) Presented "Lavanya" the Cultural Night, with the view to explore the diverse and beautiful of India. Farhan Akhtar famous Bollywood actor singer and director will be performances on celebrity night on 15 October, while poetry king Kumar Vishwas presented at the poetry night on 14 October and the exotic Portuguese DJ duo – club Banditz coming for EDM night.
31 October, 2017	Patel Jayanti was celebrated as National Integration Day in IIIT. Institute Director Prof. P. Nagabhushan flagged off the National Integration Race Run for Unity. Said that Sardar Patel laid his life for the unity and integrity of the country. The people involved in the race were administered the oath of unity and integrity of the country.
30 October - 4 November, 2017	Vigilance Awareness Week at IIIT-A Essay and slogan writing contest held: Essay and slogan writing competitions were organized at Indian Institute of Information Technology, Allahabad (IIIT-A) under the Vigilance Awareness week, on Thursday. Also, a seminar was organized at the Institute on "My goal-corruption free India.
19 December, 2017	A five day course on "Parallel and distributed Data Stream Mining" under the aegis of Global Initiatives of Academic Networks (GIAN) sponsored by Ministry of Human Resource Development, Government of India began at Indian Institute of Information Technology, Allahabad on Tuesday, Prof. Shekhar Verma, officiating Director, IIIT-A inaugurated the event. Speaking at the occasion Porf. Verma said, such programmes were necessary in order to interact with students, faculty and industry experts from all over the world to share their experiences and expertise to motivate people to work on specific topics. Prof Srikanta Tirthapura from Computer





	Engineering Department, Iowa state University, USA spoke on the different dimensions on parallel and distributed methods for data stream mining.
26 December, 2017	A 10 Day programme on 'probabilistic graphical model for machine learning' began at Indian Institute of Information Technology, Allahabad under the GIAN (Global Initiative of Academic Networks), an initiative of the Government of India, on its Jhalwa campus on Monday. Inaugurating the programme, IIIT-A director P Nagabhushan underlined the importance of graphical models for such models have emerged as the standard workhorse in machine learning with applications in many diverse areas such as computer vision, image/video processing, pattern recognition and classification, communications and error correction coding and bio-informatics. He explained the significance of the course as an opportunity for researcher to understand and use the models in their own research application. Dr. Shekhar Verma said the course was like a beacon for the research community by providing a solid framework for working with probabilistic models. Dr. Satish Kumar Singh, the local course coordinator welcoming the guest, said it was very important opportunity for young students and research scholars to know about the cutting edge technologies being used in research and development from Gaurav Sharma who is a professor at the University of Rochester.
30-31 January, 2018	The Institute also organized a two-day book fair on the day at its new auditorium gallery, Jhalwa campus. The Director inaugurated the fair and said books related to various subjects were on the display. "The institute organizes book fairs on regular basis so that world class reading materials can be made available to our faculty members and scholars. We have a huge collection of e-books and e-journals as well." Said Nagabhushan. He added the Institute Library would be equipped with latest technologies for providing efficient services to the users. Faculty in-charge (Library) Shailendra Kumar senior faculty members, officers, students and other library staff were also present on the occasion.
09-11 February, 2018	"Asmita" the fifth annual sports event of Indian Institute of Information Technology, Allahabad kicked off in a colorful ceremony at Jhalwa campus on Friday evening the event was inaugurated by lighting of lamp by Dr. U.K. Mishra founder and president National Sports Academy, Khelgaon, Allahabad the chief guest of the event. He emphasized on the importance of sports in students life. He further said that one should take out at least one for themselves to stay healthy. Prof. P. Nagabhushan, Director, IIIT-Allahabad exhorted the students to excel in sports too so that their personality could be fully developed for nation building. He lighted the torch and took the salute from march past. He lauded the efforts made by students and administration to hold such important event that was a necessity for student





Annual Report 2017-18



	community.
15 February, 2018	Power of two lakhs per month for power grid: Production of electricity of Rs 2 lakh every month from the solar power plant set up in November-December in the Indian Institute of Information Technology, Allahabad. 940 solar panels on the terrace of two Boys Hostels get 300 KW of electricity every month. This power is being transferred directly to the National Grid Connected Solar Power Plant. After being declared an institution of national importance, IIIT has joined the country's premier institutions by producing solar energy.
19-23 February, 2018	A five day Global Initiative of Academic Networks (GIAN) programme on the topic "Hedge Funds" commenced under the auspices of Department of Management Studies, Indian Institute of Information Technology, Allahabad (IIIT-A) on Monday. The program was inaugurated by the Prof. P. Nagabhushan, Director, IIIT-A at Lecture theatre building. The Director emphasized on the importance of learning innovative investment techniques in view of current economic Scenario in country. Prof. Vikas Agarwal from Georgia State University, USA who is visiting the campus as foreign expert for taking workshop on trading strategies of hedge funds shared the importance of hedge funds in changing financial landscape of today's economy and highlighted that concept of hedge funds is still new in Indian Financial Markets. The program was conducted by Dr. Shailendra Kumar. Dr. Vijayshri, Head of Department and Dr. Utkarsh Goel introduced the guests. Participants from many parts are attending the programme and taking benefit from this MHRD initiative.
10 March, 2018	Salil Bhatt mesmerizes with his performance at IIIT-A: Allahabad noted classical artiste and slide guitar player Pt. Salil Bhatt gave a scintillating performance on the satvik veena at Indian Institute of Information Technology, Allahabad here on Saturday. Pt. Salil Bhatt presented a variety of performances ranging from solo concerts and international collaboration to exotic jugalbandis and fusion. The event was held under the joint auspices of Spic Macy Heritage Club. Pt. Salil Bhatt is the brain behind the Satvik Veena and legatee of a 500 Years old musical legacy.
16-18 March, 2018	Indian Institute of Information Technology, Allahabad's four-day Technical fest 'Aparoksha' kicked off on Thursday at the Institute of Jhalwa campus. The chief guest at the IIIT-A fest's opening ceremony was general manager of Central Organisation for Railway Electrification (CORE) Ratan Lal. Ratan Lal said, the process of learning is imperative and must go on perpetually in our lives festivals like Aparoksha help in learning and broadening the boundaries of knowledge." The theme for this year's technical fest is digital renaissance, in compliance with the 'Digital India' initiative of the Centre Director of the institute Prof. P. Nagabhushan said, "Engineering is not just about classroom learning, it is about exploring the practical field and expanding your horizons".





	This time apart from interesting speakers and panelists, an exhibition, showcasing the modern marvels of technology will showcase drones, AI controlled robots, 3D printers, robotic arm, spy robot, lot enabled smart city and rope climbing robot, NAO firebird-V, VI, amigo bot and round bot. The exhibition will be open every day from March 16 to March 18 from 5PM onwards at the main ground Prof. Nagabhushan said.
21 March, 2018	Indian Institute of Information Technology, Allahabad felicitated more than 50 women for their contributions in taking the institute forward and bringing laurels to it, here on Monday. Prof. Krishna Mishra, a renowned woman scientist was felicitated for her remarkable contribution in the fields of organic chemistry, biochemistry, biotechnology, bioinformatics and bio-medical engineering. She has been instrumental in shaping the careers of more than 50 bright young minds by guiding them towards their doctoral degree. Prof. P. Nagabhushan, director IIIT-A said even after several years of formal retirement, prof Misra was still very active, dynamic and vibrant being the honorary professor at IIIT-A, Centre of Bio-Medical Research Lucknow, General Secretary of National Academy of Sciences, chief advisor at India Pesticides Ltd. Lucknow, member of advisory board of Biotech Park-lucknow, Chairperson of STEM program of DST, as a member of the task force of DBT, New Delhi and many more. He congratulated all the women honoured on the occasion.
24 March, 2018	IIIT-A celebrates Researchers' Day: The Indian Institute of Information Technology, celebrated its first ever Researcher's Day at its Jhalwa campus here on Saturday. Eminent academicians including Institute's former director Prof Somenath Biswas from IIT-Kanpur, Prof BN Chatterjee, IIT-Khargpur and Prof. P Nagabhushan, Director, IIIT-A jointly inaugurated the event by lighting the lamp in a ceremony held in the main auditorium of the Institute. Prof. P. Nagabhushan announced that every year Researcher's day would be celebrated at IIIT-A Allahabad on next Saturday of every National Science day. He asked students to develop their scientific attitude to promote science in India. He urged students to learn How to answer? He said that researches should be for scientific purposes but not for positions to make money, Everyone should feel free to ask questions and have passion for researches. Prof. Somenath Biswas presented his research work namely computational lens and Natural Algorithm. Prof. BN Chatterjee gave a power point presentation on planning and implementation of researches. He gave a short note on types of researches and stressed on academic researches.



Annual Report 2017-18



9.5 Examination Results

Sl. No.	Convocation	Convocation Date	Academic Session	Name of Course	No. of Students Passed				
					Boys		Girls		Total
					With Honors	Without Honors	With Honors	Without Honors	
1	First	09.09.2003	Jul 1999- Jun 2003	B.Tech. (IT)	31	20	0	0	51
2	Second	21.10.2005	Jul 2000- Jun 2004	B.Tech.(IT)	26	31	0	3	60
			Jan 2001 - Dec 2004	B.Tech.(IT)	13	14	2	0	29
			Jul 2001 - Jun 2005	B.Tech.(IT)	48	66	2	1	117
3	Third	12.08.2006	Jul 2002 - Jun 2006	B.Tech.(IT)	29	30	5	2	66
4	Fourth	12.08.2008	Jan 2003 - Dec 2006	B.Tech.(IT)	15	20	7	1	43
			Jul 2003 - Jun 2007	B.Tech.(IT)	40	61	4	3	108
			Jul 2004 - Jun 2008	B.Tech.(IT)	32	73	2	6	113
5	Fifth	19.08.2009	Jul 2004 -Jun 2008	B.Tech.(IT)	1	7	0	0	8
			Jul 2005 - Jun 2009	B.Tech.(IT)	39	94	5	5	143
6	Sixth	12.08.2011	Jul 2004 - Jun 2008	B.Tech.(IT)	0	2	0	0	2
			Jul 2006 - Jun 2010	B.Tech.(IT)	49	113	6	6	174





			Jul 2006 - Jun 2010	B.Tech.(IT)	0	3	0	0	3
			Jul 2007 - Jun 2011	B.Tech.(IT)	42	101	7	3	153
			Jul 2006 - Jun 2010	B.Tech.(EC E)	17	29	4	3	53
			Jul 2007 - Jun 2011	B.Tech.(EC E)	15	31	5	4	55
7	Seventh	21.09.2012	Jul 2007 - Jun 2011	B.Tech.(IT)	8	13	0	0	21
			Jul 2008 - Jun 2012	B.Tech.(IT)	45	107	10	8	170
			Jul 2007 - Jun 2011	B.Tech.(EC E)	2	2	0	0	4
			Jul 2008 - Jun 2012	B.Tech.(EC E)	13	42	4	4	63
8	Eighth	18.12.2012	Special Convocation						
9	Ninth	10.03.2014	Jul 2009 - Jun 2013	B.Tech.(IT)	42	160	7	14	223
			Previous Batch	B.Tech.(IT)	0	3	0	0	3
			Jul 2007 - Jun 2011	B.Tech.(EC E)	0	1	0	0	1
			Jul 2008 - Jun 2012	B.Tech.(EC E)	0	3	0	0	3
			Jul 2009 - Jun 2013	B.Tech.(EC E)	23	53	3	6	85
10	Tenth	09.11.2015	Jul 2010 - Jun 2014	B.Tech.(IT)	54	161	22	15	252
			Jul 2011 - Jun 2015	B.Tech.(IT)	57	165	17	24	263
			Previous Batch	B.Tech.(IT)	0	1	0	0	1



Annual Report 2017-18



			Jul 2010 - Jun 2014	B.Tech.(EC E)	22	60	8	6	96
			Jul 2011 - Jun 2015	B.Tech.(EC E)	17	58	6	5	86
			Previous Batch	B.Tech.(EC E)	0	5	0	0	5
11	Eleventh	24.09.2016	Jul 2012 - Jun 2016	B.Tech.(IT)	74	163	19	25	281
			Previous Batch	B.Tech.(IT)	0	1	0	0	1
			Jul 2012 - Jun 2016	B.Tech.(EC E)	19	56	8	3	86
			Previous Batch	B.Tech.(EC E)	0	1	0	0	1
12	Twelfth	09.09.2017	Jul 2013 - Jun 2017	B.Tech.(IT)	72	136	32	19	259
			Previous Batch	B.Tech.(IT)	0	2	0	0	2
			Jul 2013 - Jun 2017	B.Tech.(EC E)	27	40	7	8	82
			Previous Batch	B.Tech.(EC E)	0	4	0	0	4
13	Thirteenth	08-09-18	Jul 2014- Jun 2018	B.Tech.(IT)	73	128	14	26	241
			Previous Batch	B.Tech.(IT)	0	8	0	2	10
			Jul 2013 - Jun 2017	B.Tech.(EC E)	22	42	7	5	76
			Previous Batch	B.Tech.(EC E)	0	2	0	0	2





Preventive and Redressal Measures by the Institute



10. Preventive and Redressal Measures by the Institute

10.1 Grievance Redressal Measures

In pursuance of implementation of Point 20 of the 20 point program relating to responsive administration as communicated vide G.O. F. No. 28-29/2002-TS.I dated October 11, 2002 read with G.O. F. No. C.36011/11/2005-PG Hol, MHRD dated November 17, 2005 as amended up-to-date, and in supersession to the Office Order No. IIIT-A/ODRM/3576/2014 dated January 21, 2014 and Office Order No. IIIT-A/DIR/03(B)-567/2017 dated January 20, 2017, the Grievance Redressal Committee of IIIT-A is reconstituted as follows w.e.f. 21.07.2017:

- 1) Dr. Pavan Chakraborty - Chairman
- 2) Dr. Shirshu Verma - Co-Chair
- 3) Professor Krishna Mishra as Chairperson, Prevention of Harassment of Women at Workplace.
- 4) Dr. Vijayshri Tiwari
- 5) Dr. Ashutosh Mishra
- 6) Dr. Vijay Chaurasiya (OBC Representative)
- 7) Dr. Abdullah Bin Abu Baker (Minority Representative)
- 8) Mr. Kapil Srivastava: Regular Staff Representative-IIIT-A
- 9) Mr. Rajat Ghosh: Contractual Staff Representative-IIIT-A
- 10) Dr. Pavan Saini, as DR(Establishment)
- 11) Dr. Padma Singh Tiwary: Social activist
- 12) President, Student Gymkhana

For disposal off the representation of SC/ST employees, the following members would be added:

- 13) Dr. Rekha Verma: coordinator
- 14) Dr. Sangeeta Singh - Member
- 15) Mr. Yogesh Kardam - Member

Dr. Pavan Chakraborty is designated as fulltime Grievance Officer of the Institute. He will be assisted by the Grievance Redressal Committee in discharge of his duties as Grievance Officer of the Institute as per orders of the Government from time to time in this regard.

The Grievance Officer is desired to amicably and promptly remove all grievances of students, employees and public at large relating to the Institute. He will, on an application/complaint filed before him and also on suo-moto, inquire into the matter and require parties to the grievances to file papers, adduce evidence and afford opportunities to the parties for examination and cross examination as per law of the land and after proper hearing, make a reasoned recommendation in all cases for action by the Director and shall maintain a record in that regard.





In discharge of his duties, he will have the right to call for any information, papers and records etc. from the office of the Institute and it will be the duty of the Institute officials concerned to promptly produce relevant records called for by the Grievance Officer for his expeditious disposal of grievances.

10.2 Committee for prevention of Sexual Harassment of women at workplace

In supersession to O.M.No.IIT-A/ODRM/3577/2014 dated January 21, 2014, the Committee for prevention of Sexual Harassment of women at workplace is reconstituted as follows with effect from 21.1.2017:

1. Prof. Krishna Mishra (Faculty Representative) - Chairperson
2. Dr. Ranjana Vyas - Co-Chair
3. Ms. Ritu Srivastava (Staff Representative) - Member
4. Prof. Nisha Srivastava (Allahabad University)- External Member
5. Mr. Rohan Gupta, Advocate (Legal Counsel)- External Member
6. Dr. Asheesh Kumar (Office Representative) - Member & Coordinator
7. Mr. Satish Kumar (SC / ST representative)- Member
8. Topper of B.Tech IVth Semester- Member
(if the topper is a boy, then next girl in merit)
9. Topper of MBA IInd Semester - Member
(if the topper is a girl, then next boy in merit)
10. Topper of M.Tech IInd Semester - Member
(if the topper is a boy, then next girl in merit)
11. Dr. Abhullah Bin Abu Baker (Minority Representative)- Member
12. Mr. Rajit Ram Yadav - Member
13. Ms. Gayatri Kashniyal (Project Staff) - Member

On receipt of any written complaint, the Committee will promptly proceed with inquiry as per rules and submit its findings / recommendations to the Director for necessary action.

The Committee is constituted in view of Govt. Letter F.No.C.36011/7/2005-VIG dated 29.3.2006. This issues under the order of competent authority.

10.3 Prevention of Ragging in the Institute

Ragging in the educational institutions has been yet another social evil that has been taking its toll every year over the country so much so that many a youthful prodigies have lost their careers and even their lives solely on account of this evil. All preventive measures have often failed and the malady has been evading cure unabatedly.

The Supreme Court, of late, has taken a very serious view of this social evil and has issued stern directions in asking the Government and all organs under the Government to stop the menace of Ragging altogether with immediate effect. It has also issued stern action against non-observance of the Appellate Court instructions through the Government and the UGC.





IIIT-A, therefore, has undertaken positive measures to implement the Apex Court directions in this regard through an Office Memorandum No. IIIT-A/DIR/1358/2009 dated 10.07.2009 and multi-structured Committees have been constituted as under for its implementation:

1. Institute level Anti-ragging Committee

- | | | |
|--|---|----------|
| • Dean, Students' Affairs | - | Chairman |
| • Head of the Division | - | Member |
| • Warden/Counselor of the concerned Hostel | - | Member |
| • Registrar/Dy. Registrar/Assistant Registrar of Institute | - | Member |
| • Legal Counsel | - | Member |
| • Nominated person | - | Member |

2. Institute level Anti-ragging Squads

- | | | |
|---------------------------------------|---|----------|
| • Dean, Students' Affairs | - | Chairman |
| • Assistant Proctor (two by rotation) | - | Member |
| • Security Officer | - | Member |
| • One M.Tech/Ph.D. Student nominated | - | Member |
| • Warden (nominated) | - | Member |

3. Hostel Level Anti-ragging Squads

- Warden of the Hostel
- Two Prefects
- One representative of Freshers

Wide publicity of these preventive measures have been made through notice boards, handouts and website of the Institute at all possible places on the Campus, hostels and other vulnerable points. The structured Committees are on the prowl all the times to deal with any inkling of the malady.

10.4 Prohibitions and Bans

The Institute is committed to ensure observance of Prohibitions and Bans promulgated under orders of the Supreme Court, Government and regulatory authorities under the Govt.

Accordingly, the following prohibitions and bans are strictly imposed in the Institute:

- ❖ Use of alcohol, tobacco and its products are totally banned in and around the Institute
- ❖ The entire area inside the Campuses of the Institute is a Smoking Free Zone. Therefore, smoking is strictly prohibited
- ❖ Use of mobiles in classrooms, labs, academic, administrative, cultural and extra-curricular activities, Seminars, Workshops and other official gatherings of the Institute is strictly prohibited under orders of the Parliament
- ❖ Any other prohibition or ban as may be promulgated under orders of the Competent Authority from time to time





Student's Gymkhana 2017-18



11.1 Councils

Presidential Council

1.	Sanchit	Speaker	PWC2015003
2.	Shobhit Upadhyay	President	IIT2015049
3.	Shivam Dixit	Vice President	IR02017006
4.	Prakhar Chaturvedi	General Secretary	IHM2016001
5.	Adarsh Prasad Behra	Member	PWC2015004
6.	Prabhat Singh	Member	IIT2015057

Secretariat

1.	Parag Parihar	Cultural Council Secretary	IIT2016095
2.	Lakshya Khattar	Technical Council Secretary	IIT2016009
3.	Yaver	Sports Council Secretary	LIT2016032
4.	Mradul Kumar	Student welfare council Secretary	IIM2016005
5.	Rishi Shukla	Academic Council Secreatry	IIT2016507

11.2 Activities of Gymkhana

The Indian Institute of Information Technology, Allahabad has been a center of excellence in academia, sports and technology for over 19 years now. It has pushed the allegorical boundaries, scaled the emblematic mountains and struggled against every metaphorical obstacle thrown our way. The aim of any education system is to produce leaders who can contribute to the society they are a part of. Sports and extracurricular activities has for long, been considered a brilliant tool to groom and mold students into team players and leaders. IIIT A has continually endeavored to push the boundaries in all disciplines. IIIT-Allahabad provides excellent infrastructure for its residents to ensure that academic development is duly supplemented by sufficient physical and personality development as well.

Today the institute is offering its students a creative ecosystem where inquisitiveness and ingenuity is not only encouraged but also rewarded. A healthy amalgamation of academic, sports and cultural undertakings is helping students excel in what they want, making the institute a haven for visionaries and game changers. We have come a long way in such a short time and I hope we continue on this exponential growth trajectory and go far beyond the figurative skies of human struggle and triumph.

Indian Institute of Information Technology, Allahabad has created a self governing democratic organization called Students' Gymkhana. The Students' Gymkhana is empowered to achieve the following objectives with the active help and support of its members and the infrastructure available at its disposal:





1. To foster and develop all student activities in the Institute.
2. To promote and develop organizational abilities in students.
3. Identify student issues and promote discussion on them.
4. To develop a well-informed, articulate and participative student community life, and to increase social awareness.

Student's Gymkhana together with its councils and societies, is successfully organizing several events in the Institute. Some of the important events organized by various councils of Gymkhana are listed below:

1. Sports Council

The IIIT Allahabad Sports Society brings you the spirit of life, the spirit of competition, the spirit to win, the spirit to participate and ultimately prove the one within you. We have the energy, the courage and the enthusiasm to bring to you the most lively sports events of IIITA. It's events like Gully Cricket, Street Football etc. are most interesting during fest.

The Sports Council of Gymkhana Organize three days Annual Sports Meet named Asmita in the Month of February Every Year. During Asmita, various competitive track and field events are organized. Asmita gives a platform to the students, faculty and staff members of the Institute to showcase their physical and mental ability to compete in various track and field events organized during the three days of February. This time, the level of Asmita was taken up a notch with students from various other institutes coming in to showcase their sporting talents.

In addition to Asmita, Sports Council also organizes the annual Independence Day marathon and participates in other intra college events. Teams from IIIT Allahabad have participated in sports meets in several colleges including IIIT Gwalior, MNNIT Allahabad, and IIT BHU among others and have outperformed teams from all across the country to make us all proud.

Apart from Asmita, there are various indoor and outdoor sporting events taking place throughout the year including Basketball, Volleyball, Football, Chess, etc so as to help bring out the varied ability of students.

2. Technical Council

Without our amazing Technical Council, we wouldn't have half of the events at our fests. Continuing with our marvel superheroes theme, the Technical Society is definitely is the Batman -the silent guardian and watchful protector looking out for all of us.

The Technical Council of Gymkhana Organizes three days Annual Technical Festival named Aparoksha in the Month of March every year. During Aparoksha, various competitive technical events are organized. Aparoksha gives a platform to the students, faculty and staff members of the Institute to showcase their technical and analytical ability to compete and won various events organized during the three days of March. Apart from competitive events many technical workshops are being organized during Aparoksha which let the students to have hands on experience in the fields of many upcoming technologies. In addition to all this, inception of a new Hackathon, IIITA Hacks took place which had enthusiastic participation and promises to be an event for the future. Some of the events successfully conducted by the technical council are :





Annual Report 2017-18



Aparoksha: Technical spectacle of IIITA in which students from our institute as well as others colleges show off their technical prowess in the events held as a part of the fest.

Hack In The North: This is the biggest student organized Hackathon in India with prize money upto Rupees One Lakh. Taking place during Aparoksha, this event has had participants from all over the country ready to hack and build.

Tech Talks: These talks take place throughout the course of the year where the freshers can take a leaf out the seniors' books and move ahead on the right path.

3. Cultural Council

This council is responsible for the promotion cultural activities in order to preserve the heritage of the Institute and inculcate among students, a sense of cultural unification.

The Cultural Council of Gymkhana Organizes three days Annual Cultural Festival named Effervescence in the Month of October Every Year. During Effervescence, various competitive cultural events are organized. Effervescence gives a platform to the students, faculty and staff members of the Institute to showcase their extracurricular ability to compete and won various events organized during the three days of October. Apart from competitive events many workshops and other fun filled activities are organized during Effervescence which let the students to de-stress from the academic activates and rejuvenate them to perform better in the academic activities. The events organized during Effervescence are as follows:

a. Model United Nations

The Literary Club of the institute successfully conducted the IIITA Model United Nations Conference for the first time ever. The two day conference needs a special mention, as it tested the mettle of a student as a delegate and representative of another country and helped them in transforming as better citizens and leaders.

b. Cognoscentia

One of the most awaited events, the brain wreaking quiz contest witnessed participation from some of the best quizzers of the nation, and brought out the best of brains and most aware minds. The audience was enthralled by the vast knowledge of the participants.

c. FootLoose (Group Dance)

The main stage event on is" October was judged by eminent choreographers of the city and saw massive participation from different institutes and dance academies.

d. Carpediem (Solo Dance)

One cannot forget the solo dance competition of Effervescence, Carpe Diem where the participants set the stage on fire. This year the heart grooving event took place on 17th October and had participation from many top notch colleges.

e. La Frenze(Duet Dance)

The third and final event of the dance society took place on 16th October where more than 15 teams performed dance numbers and the ones that qualified for the second round were supposed to perform impromptu face offs.



Stunning Du was introduced first time in this year. This was an event to discover the most talented duo in the Institute. The objective of this event was to find the imagination, creativity, and flexible ways of thinking among the participants. The reason of forming couples at the time was to find their adaptability among them.

f. Tasveer

The flagship event for the Acoustics and Media Society, Tasveer was held during the cultural fest Effervescence. This is a themed event open for students from all around the country. With a handsome prize money at stake, Tasveer had enthusiastic participation from 100 colleges from all around the country.

g. Incendiary - Battle of the Bands

Incendiary, the battle of the bands took place during Effervescence as a two round events, the prelims and the final round. People were amazed and astonished at the amazing performances put up by various bands from all around the country. The judges had a hard time taking a call while the audience were enthralled by the rock performances.

4. Literary Society

It organizes debates, extempore and other literary competitions. It is also responsible for publishing Hues magazine for in-campus circulation. Literary Society is the place to take halt and unveil your talent of appreciating the beauty of expression.

Apart from holding a wide variety of events in the cultural fest Effervescence, Sarasva, the Literary Society was responsible for organizing the only TedX held in the city of Allahabad. With speakers from different walks of life coming in and sharing their valuable experience surely was a day to remember.

5. Acoustics and Media Society

The institute is proud to have the services of this Society, which has been very efficient in managing lights, audio equipment, visual recording of various events staged at IIIT -A. All the audio and lights works of college events taken care by this society as a whole. Learners are also welcomed.

6. Music Society

The Music Society of Gymkhana is responsible to provide a platform to the students to showcase their musical talent. The society apart from having a college band has been successful in putting up wonderful performances and also being helpful in letting the student bite the music bug. The society attends various concerts and musicals during the year.

7. Dance Society

Synergy of thought, symphony of movement, artistic expression and a sense of idyllic beauty - this symbolizes the GeneticX Crew of the dance society. It is one of the most active societies of





IIIT -A. It manages dance performances in Effervescence and other society events. The society has performed various dance forms.

8. Dramatics Society

The dramatics society at IIIT Allahabad, RangTarangini is responsible for organizing workshops (acting as well as scriptwriting) and holding drama competitions where young talent can be showcased. The society has been active in staging excellent performances both in Hindi and English at various occasions.

9. The Fine Arts Society

The Fine Arts Society endeavors all of its members to pull off something unique, creative and out of the box each time. It is for the art lovers of the institute. All the creative work and art in and around the campus you see may very likely be a part of their work and creativity.

10. Social Outreach Programs of the Institute

IIIT Students are also involved in organizing many social outreach activities like PRAYAS, which helps economically weaker students in their studies and work towards their overall upliftment. IIIT also organizes many blood donation camps round the year to help the needy people. IIIT also involved in promoting SWATCH BHARAT ABHIYAN and time to time organize activities and events under its banner. Also, various events from the MHRD were promoted by the Students' Gymkhana with the ever growing support of the faculty members and the students of the institute.





Annexures



Annual Report 2017-18



Annexures	Particulars	Page No
Annexures -01	Board of Governors	166
Annexures -02	Senate	168
Annexures -03	Finance Committee	169
Annexures -04	Building Works Committee	170
Annexures -05	Institute Placements	170
Annexures -06	Appointment of Nodal Officer Cigarettes and other Tobacco Products Act, 2003	
Annexures -07	List of Human Resources Managing Institute in 2015-16	178
Annexures -08	Consultants	182

12. Board of Governors

BOARD OF GOVERNORS, IIIT-ALLAHABAD

w.e.f 11.08.2016

(As per IIIT ACT 2014)

Sl. No.	Composition	Member	Contact Details
1.	A Chairperson, an eminent technologist or industrialist or educationist to be nominated by the Visitor from a panel of three names recommended by the Central Govt.	Sri Ravi Kant Former Vice Chairman, Tata Motors	Chairman, BoG, IIIT-A 41A, Maker Tower – E, 4th Floor Cuffe Parade, Mumbai – 400005 (Maharashtra), India Tel: 022-22186696 E-mail: chairman.bog@iiita.ac.in
2.	Secretary incharge of Information Technology or Higher Education in the State in which the Institute is located, ex officio	Sri Sanjiv Saran, IAS Principal Secretary, IT & Electronics Dept., U.P. Govt. Represented by: Sri Sanjay Sharma SEMT, U.P. Govt.	209, 2nd Floor, Yojna Bhawan, Govt. of Uttar Pradesh, Lucknow, Uttar Pradesh Tel: 0522-2238467 E-mail: sanjivsaran59@gmail.com , psforest2015@gmail.com , uppsit2017@gmail.in psecit@nic.in E-mail: sanjay.sharma@semt.gov.in
3.	One representative of the Dept. of Higher Education,	Sri Rakesh Ranjan Joint Secretary	111-C, Ministry of Human Resource Development (MHRD)





Sl. No.	Composition	Member	Contact Details
	Govt. of India dealing with Indian Institute of Information Technology, ex officio	(IIC&TE), MHRD Represented by: Sri Praveer Saxena US, MHRD	Shastri Bhawan, New Delhi – 110115 E-mail: ranjanr1@nic.in E-mail: praveersaxena.edu@nic.in
4.	One representative of the Ministry of Communication and Information Technology, Govt. of India, ex officio	Dr. Ajay Kumar Addl. Secretary, Deptt. of Electronics & Information Technology, MoC&IT	Ministry of Electronics and Information Technology (Government of India) Electronics Niketan, 6, CGO Complex, Lodhi Road, New Delhi - 110003 E-mail: ajay@deity.gov.in ajay@meity.gov.in
5.	Director of Indian Institute of Technology to be nominated by the Central Govt.	Prof. Indranil Manna Director, IIT Kanpur	Indian Institute of Information Technology- Kanpur Kalyanpur, Kanpur Uttar Pradesh – 208016 E-mail: director@iitk.ac.in, imanna@iitk.ac.in
6.	Director of Indian Institute of Management to be nominated by the Central Govt.	Dr. Gautam Sinha Director, IIM Kashipur	Indian Institute of Management Kashipur Bazpur Road, Udham Singh Nagar, Kashipur, Uttarakhand-244713 E-mail: director@iimkashipur.ac.in, gautam.sinha@iimkashipur.ac.in
7.	Four persons having special knowledge or practical experience in respect of information technology or engineering or science or allied areas to be nominated by the Council	----To be nominated- ---	---
8.	Two Professors of the Institute nominated by the Senate	1. Prof. Sudip Sanyal Professor, IIIT-A	Indian Institute of Information Technology, Allahabad, Deoghat, Jhalwa, Allahabad-211015 Mobile: 09415235180 Email: ssanyal@iiita.ac.in, sanyalsudip@gmail.com



Annual Report 2017-18



Sl. No.	Composition	Member	Contact Details
		2. Prof. U.S. Tiwary Professor, IIIT-A	Indian Institute of Information Technology, Allahabad, Deoghat, Jhalwa, Allahabad-211015 Mobile: 09415235826 Email: ust@iiita.ac.in, ustiwary@gmail.com
9.	Director of the Institute Ex officio	Prof. P. Nagabhushan Director, IIIT-A	Indian Institute of Information Technology, Allahabad, Deoghat, Jhalwa, Allahabad-211015 Mobile: 9415235176 Tel: 0532-29292222 E-mail: director@iiita.ac.in
10.	The Registrar, ex officio Secretary	Shri O P Srivastava Deputy Registrar (Admn), IIIT-A	Indian Institute of Information Technology, Allahabad, Deoghat, Jhalwa, Allahabad-211015 Mobile: 9415235181 Tel: 0532-29292007 E-mail: secybog@iiita.ac.in

Senate

(Composition of First Senate (w.e.f. 4/3/2015) after IIITs Act 2014 coming into force)

1	2	3	4	5	6
S. No	Provision as per IIITs Act 2014	Under Section of IIIT Act 2014	Composition	Position in Inst.	Status in Senate as per IIIT Act 2014
1.	Director of the Institute, (Ex-officio)	16 (1) (a)	Prof. P. Nagabhushan	Director	Chairperson
2.	Deputy Director, Ex-officio	16 (1) (b)	NIL	NIL	Member
3.	Deans, (Ex-officio)	16 (1) (c)	1) Prof. T. Lahiri	Dean (Acad.)	Member
4.			2) Prof. U.S.Tiwary	Dean (HA)	
5.			3) Prof. Shekhar Verma	Dean (IR&PM)	
6.					
7.	Heads of Dept. of the Institute (Ex-officio)	16 (1) (d)	1) Dr. Vrijendra Singh	HoD (IT)	Member
8.			2) Dr. Akhilesh Tiwari	HoD (AS)	
9.			3) Dr. Manish Goswami	HoD (EC)	





10.			4) Dr. Vijayshri Tiwari	HoD (Mgmt.)	
11.	All Prof. other than the Deans or HoDs	16 (1) (e)	Prof. Anupam Agarwal Prof. O.P. Vyas Prof. G.C. Nandi	Professor (IT) Professor (IT) Professor (IT)	Member
12.	Three persons from amongst educationists of repute or persons from another field related to the activities of the Inst.	16 (1) (f)	Prof. K. Sethipathi	Dept of Physics, IIT Madras	Member
13.	Who are not in service of the Inst. nominated by the BOG		Prof. Ashish Dutta	ME Dept., IIT Kanpur	
14.			Prof. Debjani Mitra	IIT (ISM) Dhanbad	
15.	Three persons who are not members of teaching staff co-opted by the Senate for their specialized knowledge	16 (1) (g)	Prof., Rajiv Tripathi	Director, MNNIT Allahabad	Member (For two years w.e.f. 4.3.2015)
16.			Prof. P. Mazumdar	Director, HRI, Allahabad	
17.			Prof. Harish Karnick	Professor, CSE Department, IIT, Kanpur	
18.	Registrar of the Institute, Ex-officio	16 (1) (h)	Dr. Shirshu Verma	Registrar (A)	Secretary

Co- option by Senate:

1.	Two members with no voting rights of Students Gymkhana nominated by the President, Gymkhana.	Vide resolution in resp. of Agenda Item No. 4 of the Meeting of Senate held on 4.3.2015	Representative Students' Gymkhana	Student	Observer, Non-Member with no voting rights
2.	1 UG & 1 PG for a period of one year w.e.f 4.3.2015 or till the nominee continues to be the members of Students Gymkhana.			Student	

Finance Committee

1	Hon'ble Shri Ravi Kant Former Vice Chairman, Tata Motors	Chairman
2	Prof. P. Nagabhushan Director, IIIT-Allahabad	Member



Annual Report 2017-18



3	Shri Prashant Agarwal Director (IIT's / IIITs) MHRD, New Delhi	Member
4	Shri Anil Kumar Director (Finance) MHRD, New Delhi	Member
5	Shri Anjan Das Executive Director - Technology Confederation of Indian Industry (CII) Gurgaon, Haryana	Member
6	Shri Munish Malik Finance Officer, IIT Kanpur	Member
7	Principal Secretary, IT & Electronics Deptt., Govt. of U.P., Lucknow, Uttar Pradesh	Member
8	Sri O.P. Srivastava Deputy Registrar (Finance & A/c), IIIT-Allahabad	Secretary

Building & Works Committee

Si.No.	Name	Role
1.	Prof. P. Nagabhushan Director, IIIT-Allahabad	Chairman
2.	Sri Rajiv Garg, Superintending Engineer, IIT, Kanpur	Member
3.	Sri Sanjay Sharma, Sr. Consultant, IT & Electronics Department	Member
4.	Prof. Shekhar Verma, Dean (IPRM), IIIT-Allahabad	Member
5.	Sri. Anil Kumar Sharma, Chief Engineer (Civil), CPWD, Lucknow	Member
6.	Sri. Rajeev Kumar Singh, Superintending Engineer (Distribution) U.P. Power Corporation Ltd.	Member
7.	Dr. Vijay Kumar Chaurasiya, Estate Officer, IIIT-Allahabad	Member Secretary

Institute of Placements 2016-2017

	Name	Company Name
1.	Praneel Rathore	Kronos
2.	Shikhar Garg	Morgan Stanley
3.	Neeraj Aggarwal	Morgan Stanley





4.	Ayush Awasthi	Morgan Stanley
5.	Aditya Varshney	Morgan Stanley
6.	Osama	Morgan Stanley
7.	Surabhi	Morgan Stanley
8.	SP. Harish	Morgan Stanley
9.	Shubham Kumar	Morgan Stanley
10.	Rishabh Malhotra	Morgan Stanley
11.	Shiv Dhingra	Adobe
12.	Swapnil Saxena	Adobe
13.	Prabhjot Kaur	Adobe
14.	Ashish Chauhan	Codenation
15.	Utkarsh Aggarwal	Codenation
16.	Prashant Gupta	Direct i
17.	Ayush Verma	Direct i
18.	Yashasva Jain	Direct i
19.	Sheetal Singhal	Direct i
20.	Shivam Mitra	Direct i
21.	Saniya Nazeeb	Direct i
22.	Aastha Anand	Microsoft
23.	Saumya	Microsoft
24.	Jagjot Singh	Microsoft
25.	Ashutosh Singh	Microsoft
26.	Dikshant	Deshaw
27.	Tulika Saxena	Arcesium
28.	Saptak SenGupta	Zomato
29.	Anirudh Gupta	Zomato
30.	Mohit Pandey	HackerRank
31.	Shubham Gupta	Zomato
32.	Gyayak Sanghi	Goldman Sach
33.	Vaibhav Jain	Goldman Sach
34.	Ayushi Gupta	RBS
35.	Yash Bansal	RBS
36.	Gautam Anand	RBS
37.	Yashwanth	RBS
38.	Shivam Singh	RBS
39.	Apoorva Agrawal	Infurnia
40.	Akash Dubey	Infurnia
41.	Kotla Rakesh Reddy	Infurnia
42.	Shikhar Bhatia	Infurnia



Annual Report 2017-18



43.	Abhishek Vijayan	Infurnia
44.	Manan Jain	Qualcomm
45.	Ajeet kumar yadav	Qualcomm
46.	Anurag Das	Qualcomm
47.	Mansi Jaiswal	Qualcomm
48.	Sumit Sethia	Qualcomm
49.	Pankaj Kumawat	Qualcomm
50.	Niketan Rane	Qualcomm
51.	Pankaj Birat	Qualcomm
52.	Anand Kotriwal	Walmart Labs
53.	Bhagyaraj Killamsetty	Walmart Labs
54.	Himanshu Nanda	Walmart Labs
55.	Rishabh Tiwari	Amazon
56.	Mohit Magnani	Walmart Labs
57.	Arpit Goel	Walmart Labs
58.	Abhishek Jaiswal	Walmart Labs
59.	Rupesh Maity	LinkedIn
60.	Priya	Walmart Labs
61.	Prashant Varshney	Walmart Labs
62.	Richa Singh	LinkedIn
63.	Sakshi Yadav	Makemytrip
64.	Vijay Gupta	Makemytrip
65.	Shivam Goel	Makemytrip
66.	Deeksha Srivastava	Arista Networks
67.	Rajat Gupta	Amazon
68.	Ojusvini Agarwal	Amazon
69.	Pradyumna Newalkar	Smartprix
70.	Megha Agrawal	Expedia
71.	Baishali Saha	Expedia
72.	Kavya Ramakrishnan	Expedia
73.	Mohit Ojha	Proptiger
74.	Abhishek Aggarwal	Proptiger
75.	Pratham Pandey	Microsoft
76.	Brian Silas Luke	Times Internet
77.	Sagar Deshmukh	Kronos
78.	Antra Sharma	Kronos
79.	Samarth Goyal	cisco
80.	Shubham Nanda	cisco
81.	Krishna Agarwal	cisco





82.	Amit Bhardwaj	cisco
83.	Rahul Aettapu	cisco
84.	Shaiwal Sachdev	MAQ
85.	Veer Gendle	MAQ
86.	Raghav Garg	Oku Tech
87.	Kartik Arora	Oku Tech
88.	Nipun Manocha	Oku Tech
89.	Abhijeet Gusain	Oku Tech
90.	Puthi Bhavana	Zs
91.	Ankit Verma	Zs
92.	Sanjay Singh	Zs
93.	Samanth goud	Zs
94.	Lavesh Kaushik	Moonfrog
95.	Atishey Jain	MoonFrog
96.	Vishnu Ks	Moonfrog
97.	Rajnandan D Sikdar	Samsung Delhi
98.	Prashant Kumar	Zs
99.	Shanmukh Dundigalla	GE Digital
100.	Amit Agrawal	OFSS
101.	Shirin Patil	OFSS
102.	Tanushree Anand	OFSS
103.	Aditya Sinha	ShopClues
104.	Abhishek Kumar	Swiggy
105.	Surbhi Chaudhary	OFSS
106.	Shubham Chaudhary	Swiggy
107.	Prabhat Arya	Sutra Analytics
108.	Aanchal Gupta	Sutra Analytics
109.	Satyam Singh	Sutra Analytics
110.	Manoj Kumar	Sutra Analytics
111.	Eti Goel	CitiCorp
112.	Vaibhav Srivastav	CitiCorp
113.	Shobhit Sharma	CitiCorp
114.	Arpit Gupta	CitiCorp
115.	Akshay Karnwal	CitiCorp
116.	Akshat Sood	CitiCorp
117.	Agrima Gurnani	Mahindra Comviva
118.	Adithya Shasa Sai	Mahindra Comviva
119.	Ajay Pratap Srivas	Mahindra Comviva
120.	Utkarsh Pillai	Samsung Noida



Annual Report 2017-18



121.	Mohit Rewtani	Tech Racers
122.	Yashika Singh	Yodlee
123.	Aditya Vardhan	Zendrive
124.	Divyanshu Raj	Streamoid
125.	Manav Sharma	Streamoid
126.	Diksha Arora	Edelweiss
127.	Kumar Sanyam	Edelweiss
128.	Khush Verma	Edelweiss
129.	Jai Prakash	Edelweiss
130.	Mayank Vijay	Edelweiss
131.	Anshul Jharbade	SAP Labs
132.	Ayushi Garg	Morgan Stanley
133.	Mehul Agarwal	SAP Labs
134.	Tanushree Anand	SAP Labs
135.	Aayush Garg	Samsung
136.	Himanshu Tuteja	Samsung
137.	Vartul sharma	Samsung
138.	Yovan Sethi	Samsung
139.	Aman Mahajan	Samsung
140.	Aditi (RGIT)	Samsung
141.	Akshat Baboota	Samsung
142.	Anvesh	Samsung
143.	Akshay Chillangni	Samsung
144.	Vamsi Sangam	Samsung
145.	Shivam	Samsung
146.	Pushpa Mala	Samsung
147.	Hardik Dosi	Samsung
148.	Priyank Upadhaya	Samsung
149.	Sneha Jha	Samsung
150.	Sanchit Bhushan	Worksapp
151.	Diksha Jaiswal	Samsung
152.	Yash Agarwal	Samsung
153.	Ashwin Kanan	Codenation
154.	Ayush Goel	Samsung
155.	Shubham Dewangan	Incture
156.	Piyush Mahajan	Incture
157.	Thati Rahul	Incture
158.	Nitesh Verma	ION Trading
159.	Hardeep Parmar	Wipro





160.	Kamaldeep Singh	GE Digital
161.	Sumit Kumar	Wipro
162.	Anurag Pasi	Wipro
163.	Divya Kumari	ShopClues
164.	Aditya Kumar Singh	Wipro
165.	Chanchal Mishra	Wipro
166.	Keerthi Reddy	Wipro
167.	Juhi Kumari	Wipro
168.	Subham Sharma	Samsung Noida
169.	Ankur Rao	ShopClues
170.	Sanjeev S	GE Digital
171.	Arushi Goel	Verizon
172.	Nalin Kanungo	Juniper
173.	Dewanga Dileep Kumar	Samsung Delhi
174.	Rajesh Kumar Ray	Samsung Delhi
175.	Aishwarya Chaurasiya	TCS
176.	Vineel Kaipu	TCS
177.	Shelly Kashyap	Juniper
178.	Manisha Malik	Juniper
179.	Aditya Shasa Sai	Juniper
180.	Shubhankar Mishra	Samsung Delhi
181.	Gaurav Goyal	Hike
182.	Ankit Kumar	Sapient
183.	Shobhit Mittal	Samsung Noida
184.	Ruhi Singh	Sapient
185.	Atul Kumar	Sapient
186.	Rajat Bhai	Sapient
187.	Rivu Das	Swiggy
188.	Amit	Infosys
189.	Amol	Infosys
190.	Ekansh	GE Digital
191.	Hetiraj	Infosys
192.	Neelesh	Infosys
193.	Rahul Keshri	Swiggy
194.	Rama	Infosys
195.	Renu	Infosys
196.	Saraswathula	Infosys
197.	Shankar Yadav	Hike
198.	Suneel	Infosys



Annual Report 2017-18



199.	Vikas	Infosys
200.	Vikas	Infosys
201.	Vipul	Infosys
202.	Vishnu	Infosys
203.	Vivek	Infosys
204.	Shubham Bhendarkar	Wrig
205.	Ankur Gupta	TCS
206.	Srivastav R	Samsung Delhi
207.	Suraj Prasad	TCS
208.	Chetram Chaudhary	Samsung Noida
209.	Manam Tej	TCS
210.	Pothuganti Kumar	TCS
211.	Prashanna Rani	TCS
212.	Vaibhav Singh	TCS
213.	Rajan Kumar	TCS CTO
214.	Sachin Rai	ION Trading
215.	Harsha Agarwal	GE Digital
216.	Priyank Karia	GE Digital
217.	Munawwar Nazri	Nagarro
218.	Vishrut Mishra	Nagarro
219.	Lokesh Goyal	NeoGrowth
220.	Gaurav Sharma	NeoGrowth
221.	Shashank Suthiyar	VassarLabs
222.	S Sai Khyathi	Swiggy
223.	Abhishek Kumar(159)	Capgemini
224.	Prashansa Gupta	Capgemini
225.	Sweetty Kumari	Capgemini
226.	Vinay Raj Manchala	Capgemini
227.	Nipun Jindal	Swiggy
228.	Jai Jagdish	Capgemini
229.	Akanksha Saini	IBM
230.	Amit Gautam	IBM
231.	Harish Kumar	IBM
232.	Anil Kumar	JDA
233.	Sachin Verma	IBM
234.	Rahul Raj	IBM
235.	Nitesh Gaur	IBM
236.	Namit Agarwal	IBM
237.	Saumya Dwivedi	Bluestacks





238.	Ashirvad Jaiswal	Bluestacks
239.	Rajat Jaiswal	Newgen
240.	Kriti Vaish	Freescall
241.	Ashish kumar Gupta	Samsung Noida
242.	Amit Agarwal	Samsung Noida
243.	Vinay Yadav	Samsung Noida
244.	Vikas Prajapati	Samsung Noida
245.	Vivek Raja	Samsung Noida
246.	Rajat Saxena	Samsung Noida
247.	Shubham Soni	Samsung Noida
248.	Kumar Abhishek	Samsung Noida
249.	Rohit Tulasyan	Samsung Noida
250.	Aditya Singh	Samsung Noida
251.	Divya Yadav	Samsung Noida
252.	Keshav Goyal	Samsung Noida
253.	Narendra Kumar	Samsung Noida
254.	Raj Banoth	Times Internet
255.	Rahul Thati	JDA
256.	Nishanth Vydana	Swiggy
257.	Ram Sridhar Mahanti	Icon Resources
258.	RSN Rohith	Hike
259.	Sai Krishna Kasturi	VassarLabs
260.	Maneesh Verma	Hike
261.	Bhoopesh Goyal	Jigserv
262.	Surya Cherukuri	Samsung Delhi
263.	Sumit Verma	Samsung Delhi
264.	Rahul Kumar	Samsung Delhi
265.	Rohit Raj	Samsung Delhi
266.	Apurv Khatri	Samsung Delhi
267.	Hareesh Karada	Samsung Delhi
268.	Arpit Saini	Samsung Delhi
269.	Akash Sharan	Samsung Delhi



Annual Report 2017-18



Academic Staff 2017-2018

Sl. No.	Name of Faculty	Present Designation
1	Prof. P. Nagabhusan	Director
2	Prof. G. C. Nandi	Professor
3	Prof. U. S. Tiwary	Professor
4	Prof. Om Prakash Vyas	Professor
5	Prof. Anupam	Professor
6	Prof. Shekhar Verma	Professor
7	Prof. Tapobrata Lahiri	Professor
8	Dr. Anurika Vaish	Associate Professor
9	Dr. Shirshu Varma	Associate Professor
10	Dr. Vijaishri Tewari	Associate Professor
11	Dr. Sanjai Singh	Associate Professor
12	Dr. Ranjit Singh	Associate Professor
13	Dr. Pavan Chakraborty	Associate Professor
14	Dr. Vrijendra Singh	Associate Professor
15	Dr. Neetesh Purohit	Associate Professor
16	Dr. Rajat Kumar Singh	Associate Professor
17	Dr. Pritish Kr. Varadwaj	Associate Professor
18	Dr. Ashutosh Mishra	Associate Professor
19	Dr. Madhvendra Misra	Associate Professor
20	Dr. Vijay Kr. Chaurasia	Associate Professor
21	Dr. Manish Kumar	Associate Professor
22	Dr. Manish Goswami	Associate Professor
23	Dr. Satish Kumar Singh	Associate Professor
24	Dr. Shailendra Kumar	Associate Professor
25	Dr. Sanjeev B. S	Assistant Professor
26	Dr. Abhishek Vaish	Assistant Professor
27	Dr. Pragya Singh	Assistant Professor
28	Dr. Nidhi Mishra	Assistant Professor
29	Dr. Sonali Agarwal	Assistant Professor
30	Dr. S. Venkatesan	Assistant Professor
31	Dr. Krishna Pratap Singh	Assistant Professor
32	Dr. Singhtanshu Bhattacharya	Assistant Professor





33	Dr. Amit Prabhakar	Assistant Professor
34	Dr. Sangeeta Singh	Assistant Professor
35	Dr. Ratan Kumar Saha	Assistant Professor
36	Dr. Sintu Kumar Samanta	Assistant Professor
37	Dr. Pramod Kumar	Assistant Professor
38	Dr. Akhilesh Tiwari	Assistant Professor
39	Dr. Rahul Kala	Assistant Professor
40	Dr. Vineet Tiwari	Assistant Professor -Grade I
41	Dr. Triloki Pant	Assistant Professor
42	Dr. Ashutosh Singh	Assistant Professor
43	Dr. Saurabh Mishra	Assistant Professor
44	Dr. Shashi kant Rai	Assistant Professor
45	Dr. Prasanna Kumar Misra	Assistant Professor (Contract)
46	Dr. Abdulla Abu Baker	Assistant Professor (contract)
47	Dr. Sumit Kumar Upadhyay	Assistant Professor (Contract)
48	Dr. Anand Kumar Tiwari	Assistant Professor (Contract)
49	Dr. Srijit Bhattacharya	Assistant Professor (Contract)
50	Dr. Bibhas Ghosal	Assistant Professor (contract)
51	Dr. Soumyadev Maity	Assistant Professor (Contract)
52	Dr. Rekha Verma	Assistant Professor (contract)
53	Dr. Pooja Mishra	Assistant Professor (contract)
54	Dr. Suneel Yadav	Assistant Professor (contract)
55	Dr. Seema Awasthi	Assistant Professor (Contract)
56	Dr. Sunny	Assistant Professor (Contract)
57	Dr. Utkarsh Goel	Assistant Professor (Contract)
58	Dr. Sudipta Das	Assistant Professor (Contract)
59	Dr. Jagpreet Singh	Assistant Professor (Contract)
60	Dr. Amaresh Kumar Sahoo	Assistant Professor (Contract)
61	Dr. Mohammed Javed	Assistant Professor (contract)
62	Ranjana Vyas	Ad hoc Visiting faculty



Annual Report 2017-18



Non-Teaching Staff (2017-18)

Sl. No.	Name of Non-Teaching Employee	Designation as per RPN 2016
1	Dr. Asheesh Kumaar	Dy. Registrar
2	Dr. Seema Shah	Dy. Registrar
3	Sh. O P Srivastava	Dy. Registrar
4	Dr. Pavan Kr. Saini	Dy. Registrar
5	Mr. Rajendra Kr. Jena	Dy. Registrar (Library)
6	Sh. P K Jain	Chief Executive Secretary
7	Sh. Mithilesh Kr. Mishra	Technical Officer (SS)
8	Sh. Kanchan Kr. Tiwari	Assistant Registrar
9	Sh. Ranjeet Banerjee	Assistant Registrar
10	Sh. Vivek Nagar	Assistant Registrar
11	Sh. Niranjana Kumar	Assistant Registrar
12	Sh. Jayant Biswas	Assistant Registrar
13	Sh. Ajay Kumar Tiwari	Technical Officer
14	Sh. Abhinaba Basu	Technical Officer
15	Dr. Kaushlesh Dwivedi	Medical Officer (On Contract)
16	Dr. Sonia Agarwal	Medical Officer (On Contract)
17	Sh. Mukesh Rawat	Superintendent
18	Sh. Rajeev Kr. Bhatia	Superintendent
19	Sh. Prashant Kumar Srivastava	Technical Superintendent
20	Sh. Vivekanand Sinha	Technical Superintendent
21	Sh. Anil Bhadauria	Assistant Engineer
22	Sh. Gaj Raj Singh	Assistant Engineer
23	Sh. Akhilesh Kumar	Junior Engineer
24	Sh. Siva Kant Tripathi	Junior Engineer
25	Sh. Satya Prakash Sahu	Junior Engineer
26	Sh. Brijesh Kr. Pandey	Junior Superintendent
27	Sh. Rajendra Singh Bisht	Junior Superintendent
28	Sh. Sandeep Kumar	Junior Superintendent





Sl. No.	Name of Non-Teaching Employee	Designation as per RPN 2016
	Keserwani	
29	Mohd. Saleem Ansari	Junior Superintendent
30	Ms. Asha Shukla	Junior Superintendent
31	Sh. Sanjay Kumar	Junior Superintendent
32	Sh. Sunil Kashyap	Junior Superintendent
33	Sh. K. S. Aeron	Junior Superintendent
34	Ms. Ankita Jaiswal	Junior Superintendent
35	Ms. Jagriti Bajaj	Junior Superintendent
36	Ms. Archita Rai	Junior Superintendent
37	Sh. Neeraj Srivastava	Junior Superintendent
38	Sh. Kapil Srivastava	Junior Superintendent
39	Sh. Abhishek Pandey	Junior Superintendent
40	Sh. Sarvesh Kr. Mishra	Junior Superintendent (LIB)
41	Sh. Atul Tripathi	Junior Superintendent (LIB)
42	Sh. Yogesh Kardam	Junior Technical Superintendent
43	Sh. Durgesh Kumar	Junior Technical Superintendent
44	Sh. Santosh	Junior Technical Superintendent
45	Sh. Shailendra Singh	Junior Technical Superintendent
46	Sh. Kaushal Kr. Singh	Junior Technical Superintendent
47	Sh. Ashutosh Shukla	Junior Technical Superintendent
48	Sh. Rajit Ram Yadav	Junior Technical Superintendent
49	Sh. Himanshu Pandey	Junior Technical Superintendent
50	Sh. Sanjiv Kumar	Junior Technical Superintendent
51	Sh. Santosh Kr. Mishra	Junior Technical Superintendent
52	Sh. Pankaj Srivastava	Junior Technical Superintendent
53	Sh. Girish Kr. Dixit	Junior Technical Superintendent
54	Sh. Pramod Narayan Tripathi	Junior Technical Superintendent
55	Sh. Upendra Kashniyal	Junior Technical Superintendent
56	Sh. Gangadhara D.	Junior Technical Superintendent
57	Dr. (Mrs.) Pallavi Dixit	Junior Technical Superintendent
58	Mrs. Priya Pal	Staff Nurse
59	Mrs. Blessy Anie Shaiju	Staff Nurse



Annual Report 2017-18



Sl. No.	Name of Non-Teaching Employee	Designation as per RPN 2016
60	Sh. Vinod Narayan Tripathi	Pharmacist
61	Mohd. Izhar	Pharmacist
62	Sh. Santosh Kr. Yadav	Senior Technician
63	Mrs. Pratibha Verma	Senior Technician
64	Sh. Subhash	Senior Assistant
65	Sh. Pankaj Mishra	Senior Assistant
66	Sh. Sumit Kr. Shukla	Senior Assistant
67	Sh. D N Shukla	Senior Assistant
68	Sh. Manish Khare	Senior Assistant
69	Sh. Manoj Kumar Upadhyay	Senior Assistant
70	Sh. Deep Narayan Das	Senior Assistant
71	Sh. Abhishek Kumar	Junior Assistant
72	Mrs. Prabha Verma	Junior Assistant
73	Mrs. Ritu Srivastava	Junior Assistant
74	Sh. Raj Kumar Rawat	Driver
75	Sh. Satish Kumar	Driver

Consultants

S No	Consultant	Designation
1.	Dr. R. Dayal	Chief Medical Officer
2.	Dr. K. S. Pandey	Homoeopath
3.	Dr. Pritima	Lady Medical Officer
4.	Dr. Ashok Kumar Singh	Night duty Doctor
5.	Dr. Yashawini Srivastava	Medical Officer
6.	Mr. Rohan Gupta	Legal Counsel, High Court, Allahabad
7.	Mr. Sanyat Lodha	Legal Counsel, Supreme Court , New Delhi

