



INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, ALLAHABAD

ANNUAL REPORT

for the Year 2016-17



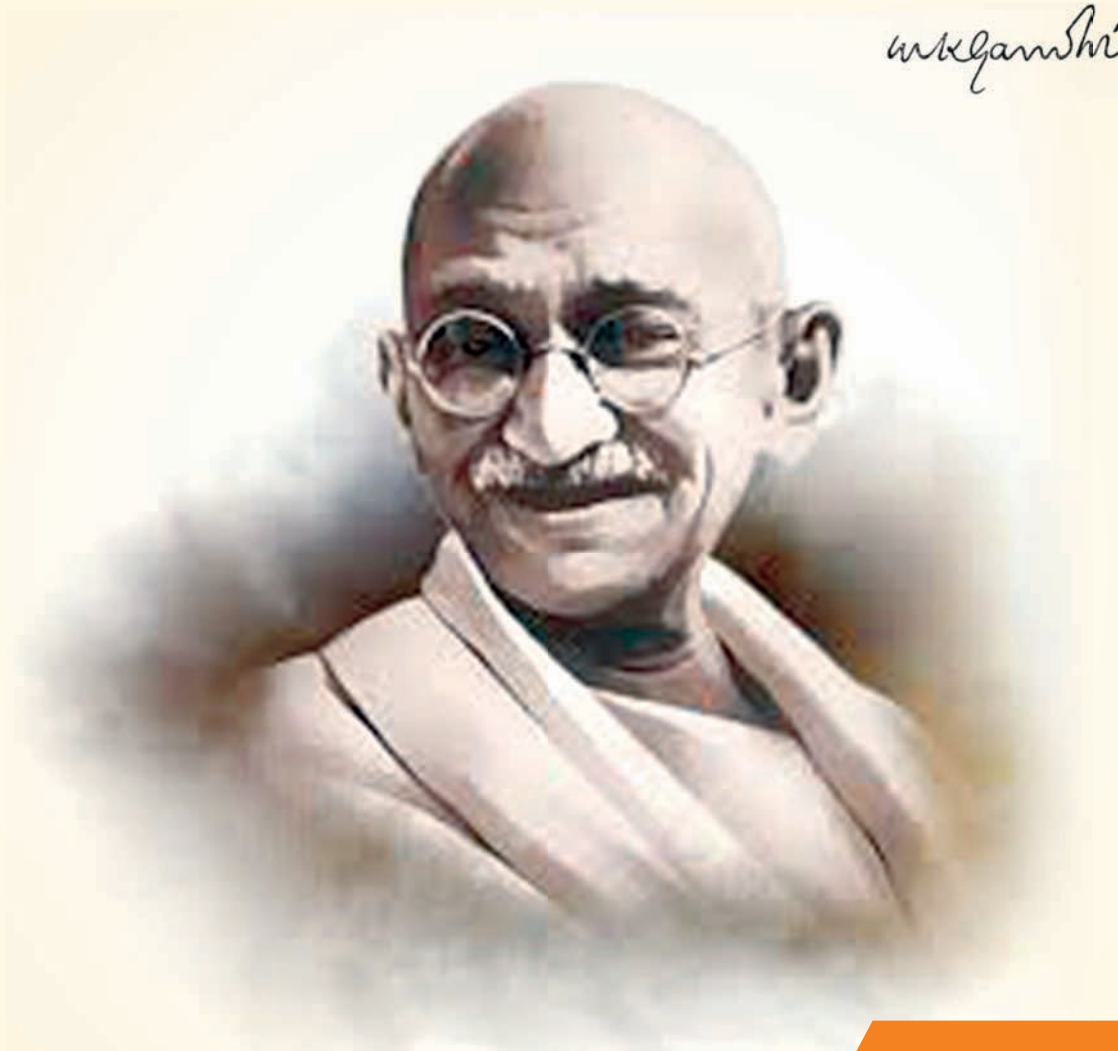
Gandhi Ji's Talisman to the Country Men

“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
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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 red banner with white text is overlaid on the image. The text 'IIT' is in a large, bold, red font with a black outline, and 'ALLAHABAD' is in a smaller, bold, white font with a black outline, both set against the red banner.

IIT

ALLAHABAD



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INTRODUCTION



1. INTRODUCTORY

1.1 THE CHAIRMAN'S PROFILE



Hon'ble Shri Ravi Kant

Chairman, Board of Governors, IIT 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 earlier associated 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 IIT 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, IIIT Allahabad

Prof. P. Nagabhushan is the Director of IIIT 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 IIIT-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 2016-17

Good morning to all of you,

Padma Bhushan Honorable Dr. V K Saraswat, the Chief Guest of the day, Respected Shri. Ravi Kant, our beloved Chairman of Board of Governors, Esteemed members of the Board of Governors, Distinguished Senators, Great hopes of Bright India-our very delightful young graduates who are ready on the runway to take off, Our proud colleagues-faculty and staff who have been responsible in shaping up the passing out graduates, Parents and relatives, Media friends, Dear students And Sisters and Brothers; because of whom this day of 12th Convocation of the Institute is glittering; Good morning to all of you.

The esteemed presence of Dr. Saraswat has been very inspirational for all of us and is equally motivating for our blossoming generation which is standing ready to receive graduation. Dr. Saraswat's navigation from the position of being an ardent Scientist to the highly accomplished position of being the member of NITI Aayog of India through very responsible assignments of being the Chief of Defense Research and Development Organization of India, Chief Scientific Advisor to the Minister of Defense triggers the waves of inspiration and induces in each one of us the sense of remaining committed and recommitted to the cause of upliftment of great India, the Mankind and the Society. Equally enthralling is the presence of our simple and noble Shri Ravi Kant who has been phenomenal in establishing the stability of the Institute and in architecting the growth of the Institute in a short span ever since he has assumed the responsibility of the Institute as the Chairman. This morning is more decorated because the beautiful day is going to stand in the history as the witness to the festive event of 347 candidates graduating with Bachelor of Technology degree, 79 candidates graduating with Master of Technology degree, 34 candidates in integrated M. Tech in Bio-Medical Engineering, 08 candidates graduating with Master of Business Administration degree and 22 candidates graduating with Doctor of Philosophy degrees. Congratulations to the proud parents who have been responsible in moulding them as energetic and capable torch bearers for the future and hearty compliments to the dedicated team of faculty and staff who have shaped these young graduates not only as quality technocrats, but also as complete human beings. Great India and the entire globe welcome all these graduating candidates with an eager expectation to find a flying performer in each of one of them. Young friends, signal is clear, runway is yours and now you go afloat with your wings of imagination spread. Kudos to all of you!

Dear graduating friends, all of you as a whole have elevated the status of IIIT Allahabad, some taking up the challenge of rising yourselves to the level of world class coders, some sprouting the aspirations to be great entrepreneurs, professionals and researchers, further some excelling in areas ranging from literature, art and culture to sports and everyone individually moulding himself/herself as a complete technocrat, both knowledge wise and skill wise. Your Institute IIIT Allahabad will be proud of each one of you, because each one has silently pledged to be creators of knowledge and skill and to remain a performer for ever.

I am happy to share with you that because of your achievements, your Alma Mater, i.e., IIIT Allahabad has been ranked 12th in Outlook Drishti Survey of 2017 and it has secured 20th position amongst top Government Technology schools of India in the survey done by DATA QUEST in 2017, and it is ranked 11th by India Today, 2017.



Dr. I.R.N. Goudar, a great Librarian who visited IIT Allahabad recently, in his research finding revealed that citation index of research publications from IIT Allahabad is at its all time high in the year 2016-17 and it is highest among all the IITs. At this juncture, I would like to extend my gratitude to all the past Chairpersons of BoG, our ex-Chancellor and former Directors of the Institute. All these would not have been possible without their meticulous and continuous support and efforts. Particularly I acknowledge the role played by the preceding Officiating Director, Prof. G.C. Nandi.

The Young graduates, you could be wondering, why I am not wishing you all good luck. At this juncture, I am reminded of a mail sent by my mentor Prof. K. Chidananda Gowda, which contained the Convocation address of the Chief Justice John Roberts of the US Supreme Court through which Prof. K. Chidananda Gowda desired to apprise me the importance of understanding life rather than expecting the shower of good luck upon oneself. I reproduce hereunder the address of the Chief Justice:

[Quote] *“Now commencement speakers will typically also wish good luck, and extend good wishes to you. I will not do that, and I’ll tell you why.*

From time to time, in the years to come, I hope you will be treated unfairly, so that you will come to know the value of justice.

I hope that you will suffer betrayal, because that will teach the importance of loyalty.

Sorry to say, but I hope you will be lonely from time to time, so that you don’t take friends for granted.

I wish you bad luck, again, from time to time, so that you’ll be conscious of the role of chance in life, and understand that your success is not completely deserved, and the failure of others is not completely deserved, either.

And when you lose, as you will from time to time, I hope, every now and then, your opponent will gloat over your failure. it is a way for you to understand the importance of sportsmanship.

I hope you will be ignored, so you’ll know the importance of listening to others.

And I hope you will have just enough pain to learn compassion.

Whether I wish these things or not, they’re going to happen. And whether you benefit from them, or not, will depend upon your ability to see the message in your misfortunes.”[Unquote]

In this context, it is very appropriate and relevant to recollect the opinion of the philosopher Jiddu Krishna Murthy on education that *“education should not be separated from life and that it should help to understand not merely the outer world but also the inner world of human consciousness and that the education must help the young to discover their right relationship with nature, with society, with fellow beings, with knowledge and with themselves.”*



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The same is exactly echoed in the address of the Chief Justice particularly in his concluding remark which stated that the success of yours, the young graduates, depends upon your ability to see the message in your misfortune.

Here, I append that I do not expect that you should remember your Alma Mater, when you are happy and when you are performing well. However, when you happen to go through a low profile period of your misfortune, look back and recollect the words of your teachers which could reassure you to overcome the misfortune that you are going through. Nevertheless, in spite of such ebb, my dear young graduates, tears should never roll down your cheeks, because I do not like my lions to self sympathize. Still, if tears roll down, do not underestimate yourself and curse yourself that it is due to your weakness. On the contrary, it is certainly our failure in not training you adequately to hold back your tears. I, as the Director should take up the responsibility for the flow of your tears, because I could have failed in not providing the proper direction to your teachers and staff and thus they might not have appropriately prepared you in fighting against the tears.

While self sympathizing does not decorate you, the arrogance cannot decorate you either.

In the book, *'You are born to Blossom'*, our past president Kalam cautions that as long as one is proud and arrogant and as long as he/she is filled with self glory, he/she will not hear or see anything. I am confident that the passing out graduates of today do not belong to this cult.

To conclude, I quote the Algerean French writer Albert Camus:

*"Do not walk in front of me, as I may not follow.
Do not walk behind me, as I may not lead,
Just walk beside me and be my friend"*

Therefore, the young graduates shall resolve to live a life of glorious involvement and participation.
Wish you all the best!

Prof. P. Nagabhushan,
Director, IIT 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. A copy of the IIITs Act, 2014 is attached as Annexure...

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.

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 - .

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 - .



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 –**





2

ADMINISTRATION



2. ADMINISTRATION

As in March 2017

2.1 Academic Departments

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

These Division 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. G.C. Nandi, Dean (Academic)
Prof. O.P. Vyas, Dean (R&D)
Prof. U. S. Tiwary, Dean (IRP)
Prof. Sudip Sanyal, Dean (Faculty Affairs)
Dr. Vijay Chaurasiya, Associate Dean (Student Affairs)
Dr. Shekhar Verma, HoD (IT)
Dr. Manish Goswami, HoD (Electronics)
Dr. Tapobrata Lahiri, HoD (Applied Science)
Dr. Madhvendra Mishra, HoD (Management)

2.3 Council of Wardens

Dr. Pritish Varadwaj, Chairman Council of Warden, (Warden Boys Hostel - IV)
Dr. K. P. Singh (Warden Boys Hostel -I)
Dr. Akhilesh Tiwari (Warden Boys Hostel -II)
Dr. Amit Prabhakar (Warden Boys Hostel -III)
Dr. S. Venkateshan (Warden Boys Hostel-V)
Dr. Ranjana Vyas (Warden Girls Hostel -I)
Dr. Nidhi Mishra (Warden Girls Hostel -II)
Dr. Sangeeta Singh (Warden Girls Hostel -III)

2.4 Proctorial Board

Dr. Rajat Singh, Chief Proctor Assistant Proctor
Mr. Satish Kumar Singh, Assistant Proctor



2.5 Special Functionaries

Prof. B.R.Singh, Chief Vigilance Officer (CVO)
Prof. Sudeep Sanyal, Grievance Officer
Dr. Shirshu Verma, Professor In-Charge, Placement (B.Tech, M.Tech & MBA)
Dr. Pavan Chakraborty, Faculty In-charge (Ph.D. Cell)
Dr. Neetesh Purohit, Faculty In-charge (Library)
Dr. B.S. Sanjeev, Faculty In-Charge (Exam Cell)
Dr. Manish Kumar, Faculty In-charge (Maintenance)
Dr. K. P. Singh (International Relations)
Dr. Asheesh Kumaar, Public Information Officer & In-Charge, Legal Cell

2.6 Officers

Dr. Asheesh Kumaar, Deputy Registrar (Admin.)
Dr. Seema Shah, Deputy Registrar (S&P)
Dr Pavan Kumar Saini (E&A)
Mr. O.P. Srivastava (F&A)
Dr. K.K. Tiwari, Assistant Registrar (F)
Mr. R. Banerjee, Assistant Registrar (Exam)
Mr Niranjan Kumar, Assistant Registrar (Stores)
Mr. Vivek Nagar, Assistant Registrar (A & CDN)
Mr. L.N. Sharma, Security Officer
Mr. Mithilesh Mishra, System Analyst
Mr. Pankaj Mishra, Public Relation Officer / Hindi Officer





3

ACADEMICS



2. ADMINISTRATION

3.1 Academic Programme and Intake of the students

SN	Name of Programme	2016	
		Total Seats including DASA	Total Admission including DASA
1	B.Tech (IT)	140+5	136+5
2	B.Tech (ECE)	81+5	78+3
3	B.Tech(IT) IIIT Lucknow	50	43
4	5 Years Integrated M. Tech in Biomedical Engineering	7	4
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	6
7	5 Years Dual degree B.Tech-IT & M.Tech-IT (Spln. in Intelligent Systems)	7	6
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	7
11	5 Years Dual degree B.Tech-ECE & M.Tech-EE (Spln. in Micro-Electronics)	7	6
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	8
16	Integrated M.Tech.-IT (Spln. BI) & Ph.D.	3	2
17	M.Tech. - IT (Spln. in Intelligent Systems)	10	7
18	Integrated M.Tech.-IT (Spln. IS) & Ph.D.	4	4
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	10
22	Integrated M.Tech.-IT (Spln. HCI) & Ph.D.	4	3
23	M.Tech. - IT (Spln. in Robotics)	10	8
24	Integrated M.Tech.-IT (Spln. RO) & Ph.D.	4	4
25	M.Tech. - EE (Spln. in Micro Electronics)	12	8
26	Integrated M.Tech.-EE (Spln. MI) & Ph.D.	4	3
27	M.Tech. - IT (Spln. in Wireless Communication Engineering)	15	12
28	Integrated M.Tech.-IT (Spln. WCE) & Ph.D.	5	3
29	M.Tech. - IT (Spln. in Cyber Law & Information Security)	17	15
30	Integrated M.Tech.-IT (Spln. CLIS) & Ph.D.	6	5
31	MBA	36	6
32	Dual Degree MBA-Ph.D.	5	1
33	PhD**	(12+15)**	27

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



4

THE FACULTY UPDATE



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Prof. G.C.Nandi

4.1 Faculty Profile

- Name:** Prof. G.C.Nandi
Department: IT
Designation: Advisor (Quality Assurance and Assessment).
- Teaching/Research/Industry Experience :**
Teaching/Research :- 32 years, Industry:-1 year
Total : 33 year experience
- New courses developed :** This year “Deep learning”
- Books and book-chapters published :** NIL



Sr No.	Author(s) Name	Title of the Book/Chapter	Publisher	Place and Year of publish	Pages (in case chapter)	

5. Research papers published in journals

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1	Manish Raj , G.C. Nandi	Computational CPG - Based Locomotion Control and Gait Planning of a Humanoid Biped Robot: The Matsuoka's Neural Oscillator Approach, Neural Computing and Application	(SCI)		2017	
2.	Manish Raj, Vijay Bhaskar Semwal , G.C. Nandi	Bidirectional Association of Joint Angle Trajectories for Humanoid Locomotion :The Restricted Boltzmann Machine Approach, Neural Computing and Application	(SCI)		2017	
3.	Raj M., Semwal V.B., G.C.Nandi	Multi -objective optimized bipedal locomotion	Int. J. Mach. Learn. Cyber. (2017 SCI)	DOI :10.1007/s13042-017-0660-1	2017	



Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
4.	Manish Raj, Vijay Bhaskar Semwal, G.C. Nandi	Hybrid Model for Passive Locomotion Control of a Biped Humanoid,	International Journal of Interactive Multimedia and Artificial Intelligence		May 2017.	
5.	Avinash Kumar Singh, Neha Baranwal, G.C.Nandi	A rough set based reasoning approach for criminal identification	International Journal of Machine Learning and Cybernetics	DOI: 10.1007/s13042-017-0699-z	June 2017	
6.	Vijay Bhaskar Semwal, Chandan Kumar, Piyush Kumar Mishra	Design of Vector Field for Different Subphases of Gait And Regeneration of Gait Pattern	IEEE Transaction on Automation Science and Engineering		August, 2017	
7.	Manish Raj, G.C. Nandi	Design of Multi objective function for Biped Locomotion based on Energy and Stability	Journal of Intelligent Systems, De Gruyter Published Online: 2017-05-11 DOI: https://doi.org/10.1515/jisys-2017-0072			

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.

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

1. IEEE Transaction on Automation Science and Engineering.
2. Neural Computing and Application.



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3. International Journal of Machine Learning and Cybernetic.

7. Research papers published/presented in conference proceedings

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page
1.	Soumyarka Mondal , G.C. Nandi	Hybrid Model for Passive Locomotion Control of a Bipedal Robot	IEEE - ICRA 2017	paper ID - WePM14	May 29 - June 03, 2017	
2.	Soumyarka Mondal, G.C. Nandi	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.	Manish Raj, Vijay Bhaskar Semwal , G.C. Nandi	Bidirectional Association of Joint Angle Trajectories for Exo skeletons to assist the human motion	Workshop of IEEE International Conference of Robotics and Automation (ICRA) -2017		May 29 - June 03, Singapore (Tier -1 Conference)	

Please do not list conferences where only abstracts are published.

8. Seminars and invited talks presented:

- Invited by Microsoft Research India to join a select group of academicians in representing India at the Faculty Summit at Redmond, WA USA, July 13-16, 2016.
- Delivered Key note lecture on "Biped Locomotion- Challenges and Issues" at the second SERB School on Robotics, organized during 14th to 19th November 2016 at IIT, Madras.
- Delivered a Key note lecture on "Robotics-State of the Art" at the IEEE International Conference on Advances in Mechanical, Industrial, Automation and Management Systems (AMIAMS-2017), February 3-5, 2017. MNNIT, Allahabad, India.
- Delivered a talk on Robotics Research as going on at IIIT-Allahabad, National Institute of Technical Teacher Training and Research, February 20, 2017.
- Delivered an invited talk on Robotics on March 8, 2017, at Tata Consultancy Services (TCS) Lucknow to inaugurate TSC's DRONE DIKSHA initiative on webnair with more than 1600 participants on the web and near about 100 in house participants.
- Delivered a keynote lecture on Human -Robot Interactions on March 17, 2017 in IEEE Computer Society of India Symposium (CSIS) 2017.
- 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.



9. **Conferences attended outside IIIT Allahabad: IEEE TENCON. 22 Nov - 25 Nov 2016**

Location: Marina Bay Sands. Singapore. Presented a paper.

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

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

1. Knowledge Discovery in Dynamic Social Network
2. On Effective Human-Robot Interactions Based on Recognition and Association
3. Human Robot Interactions Using Multiple Modes
4. Development of Learning Based Computational Model for Bipedal Walking using Hybrid Automata.

11. **Training Programme organized:**

12. **Other Activities**

(a) Technology Developed

We have recently developed a technology for AMAL (Adaptive Modular Active Leg), which is controlled by Biologically Inspired CPG (Central Pattern Generator). It can give maximum comfort to an amputee with minimum cost (approximately US \$ 260 as on May, 2017)

(b) Software Developed

Name of the software

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

Visited and interacted with the research scholars of The Robotics Laboratory, University of Washington in July, 2017.

(d) Patents

(Title, Patent number, granting agency)

(e) Awards and Honors

- National Scholarship by Ministry of Human Resource Development (MHRD) , Govt of India.
- Doctoral Fellowship by External Scholarship Division, MHRD, Govt. of India.1988
- Postdoctoral Fellowship, 1997, Awarded by The CHUK, Hong Kong
- Indo –Swiss Joint Research Award, March 1, 2005- June 30, 2006.
- Visiting Professorship, 2010-2011, Awarded by The institute of Software Research, Computer Science Department, Carnegie Mellon University, USA.
- Visiting Professorship, Summer 2013, EPFL University, Switzerland

(f) Continuing Education Activities

- Delivered a Key note lecture on "Robotics-State of the Art" at the IEEE International Conference on Advances in Mechanical, Industrial, Automation and Management Systems (AMIAMS-2017), February 3-5, 2017. MNNIT, Allahabad, India.
- Delivered a talk on Robotics Research as going on at IIIT-Allahabad, National Institute of Technical Teacher Training and Research, February 20, 2017.
- Delivered an invited talk on Robotics on March 8, 2017, at Tata Consultancy Services (TCS) Lucknow to inaugurate TSC's DRONE DIKSHA initiative on webnair with more than 1600



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participants on the web and near about 100 in house participants.

- Delivered a keynote lecture on Human -Robot Interactions on March 17, 2017 in IEEE Computer Society of India Symposium (CSIS) 2017.
- 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.

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

Name of the organization, Period

(h) Any other important activity not specified above

- From July, 2016 to May 2017, looked after all the activities of the institute as a Director (Offg). Under his dynamic leadership the institute occupied 11th Rank (by India Today ranking), 12th Rank (by Outlook – Drshti Survey 2017) and again 11 th rank (in India in the subject area Computer Science and Information Systems by QS global ranking 2016) .
- Represented the institute as director and took part in the panel discussion chaired by the Hon'ble President of India and visitor of the institute during the Visitors Conference held in the Rastrapati Bhawan during November 16-18, 2016





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.

Industry: N/A Total: 30 years

3. New courses developed: N/A

4. Books and book-chapters published: NA

Sr No.	Author(s) Name	Title of the Book/Chapter	Publisher	Place and Year of publish	Pages (in case chapter)	

5. Research papers published in journals: Nil

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, 2017.

Underline the name of the author for correspondence.

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



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7. 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 fo r hindi -english machine translation	International Conference on Information Networking		2017	389-394
2.	Subhangi, US Tiwary	Classification of Indian Classical Dance Forms	Intelligent Human Computer Interaction		2017	67-80
3.	S.Malviya, Rohit Mishra, US Tiwary	Structural Analaysi s 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.

8. 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



9. 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

10. 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”

11. 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.

12. Other Activities

- (a) Technology Developed : NA
- (b) 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
- (c) Industry visited and visits to other Institutes for research : NA
- (d) Patents : NA
- (e) Awards and Honors : NA
- (f) 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.
- (g) Participation in the High Level Industry Academia Interaction Program during summer
- (h) Any other important activity not specified above



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Tapobrata Lahiri

1. Name, Department & Designation:

Tapobrata Lahiri, Applied Science, Professor

2. Teaching/Research/Industry Experience:

Teaching/Research: 27 years since 1990, Industry : Nil

Total: 27 years since 1990

3. New courses developed:

Not applicable within the period of 1st April 2016 and 31st March 2017

Title, course number

4. Books and book-chapters published: Not applicable

Sr No.	Author(s) Name	Title of the Book/Chapter	Publisher	Place and Year of publish	Pages (in case chapter)	

5. Research papers published in journals

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1	T Lahiri (co & corresponding author)	An improved protein surface extraction method using rotating cylinder probe	Interdisciplinary Sciences: Computational Life Sciences	9 (1)	2017	65-71
3	T Lahiri (co & corresponding author)	A new search subspace to compensate failure of cavity -based localization of ligand - binding sites	Computational Biology and Chemistry	68	2017	1-282

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.

6. Average Impact Factor of all publications and name of the major journal in which publication are made. Nearly 1, Computational Biology and Chemistry (Elsevier)



7. Research papers published in conference proceedings (as a full paper): Not applicable

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

8. Seminars and invited talks presented: Not applicable

Title, Organization, Date

9. Conferences attended outside IIT Allahabad: Not applicable

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

10. Work done in project undertaken in the Institute: Not applicable

11. Training Programme organized: Not applicable

12. Other Activities

(a) Technology Developed

Name of the technology/product

- Algorithm for finding binding site of a protein (Product is the code in MATLAB to implement the same).
- New sequence search technique to replace BLASTN (Product is the code to implement the same)
- Best efficient algorithm to find surface residues of a protein (Product is the code in MATLAB to implement the same)

(b) Software Developed: not applicable

Name of the software

(c) Industry visited and visits to other Institutes for research: Not applicable

Name, Purpose, Period.

(d) Patents (Title, Patent number, granting agency)

Title of the invention : IDENTIFICATION OF SPECIFIC CLASS OF QUASIPERIODIC SIGNALS FROM THE PHASE-SPACE FRACTAL DIMENSION OF ITS DIFFERENT ORDER-FEATURES, Application no. 2737/DEL/ 2010 A, Publication Date : 31/08/2016

(e) Awards and Honors: Not applicable

Title, Awarded by

(f) Continuing Education Activities: Not applicable

Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)



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- (g) Participation in the High Level Industry Academia Interaction Program during summer: Not applicable
Name of the organization, Period
- (h) Any other important activity not specified above :
- i) *As Head, Department of Applied Science opened up the scope of Life Lab facility in collaboration with Institute Health Centre for the benefit of Students and Faculty Members associated with the course, M.Tech. in Biomedcial Engineering.*
 - ii) *As Dean (Academic & Research) oversaw the completion of proposal for setting up newly revamped IPR cell of the Institute by Faculty Member, Dr. Amit Prabhakar through R&D committee.*
 - iii) *As Head, Department of Applied Science, oversaw the implementation of externally reviewed courses of M.Tech. In IT (Spln. in Bioinformatics) and M.Tech. in Biomedical Engineering.*
 - iv) *Helped in Ph.D. Scholar admission*
 - v) *Couple of agendas submitted to Senate are successfully got accepted*
 - vi) *Reviewed papers of SCI journals.*
 - vii) *Reviewed Ph.D. thesis works of Jadavpur University, Calcutta University, etc.*



Prof Anupam

1. **Name, Department & Designation:**
Prof Anupam,
 Dept. of Information Technology, Professor.



2. **Teaching/Research/Industry Experience:**
Teaching/Research: 28+ Industry: 0 Total : 28+

3. **New courses developed :**
 Title, course number
 Virtual Reality, IVIR730E / IVIR340E
 Image & Video Processing, IIVP632C / IIVP240C (with Dr. Satish Kumar Singh)

4. 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)	

5. Research papers published in journals

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1.	P. Mangalraj and Anupam Agrawal	Novel approach on fusion of multisensor images based on neutrosophic domain in consideration of regional relevance	Multimedia Tools and Applications (Springer , SCI)	-	Jan. 2017	1-18
2.	P. Mangalraj and Anupam Agrawal	Fusion of PAN and multispectral remote sensing images in shearlet domain by considering regional metrics	Journal of Applied Remote Sensing (SPIE , SCI)	10(4)	Oct. 2016	045003-1 to 045003-13
3.	Kamta Nath Mishra and Anupam Agrawal	A Soft Computing Technique for Improving the Fidelity of Thumbprint based Identification Systems	I.J. Intelligent Systems and Applications (MECS Press)	7	Jul. 2016	14-27
4.	TK Reddy, Mangalraj and Anupam Agrawal	Finding Visual Attention in an Image: Learning through Hierarchical Inheritance Approach	Elsevier Procedia Computer Science	89	Aug. 2016	607-613
5.	Rajnish Kumar Ranjan and Anupam Agrawal	Generating Video Summary Based on Visual and Mid Level Semantic Features	Elsevier Procedia Computer Science	89	Aug. 2016	870-876



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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.

6. **Average Impact Factor of all publications and name of the major journal in which publication are made**
Springer (Multimedia Tools and Applications, SCI journal) - 1.530 (Impact Factor)
SPIE (Journal of Applied Remote Sensing, SCI journal) - 1.235 (Impact Factor)
MECS Press (Hong Kong) - 0.743 (Impact Factor)
Elsevier Science Direct (Procedia Computer Science)

7. **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.	Anupam Agrawal and Nayaneesh Kumar Mishra	Fusion Based Emotion Recognition System	IEEE CSCI'2016	CSCI4217	Dec. 2016	727-732
2.	Praveen Gudivaka, Nayaneesh Mishra and Anupam Agrawal	GPU Accelerated Foreground Segmentation using CodeBook Model and Shadow Removal using CUDA	IEEE ICCCA 2017	340	2017	1-7

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

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

Title, Organization, Date

1. Title of talk: Studies of Hybrid Human Assisted Packing with Rural Indian Workers: in the Workshop on "Improving Supply Chain Efficiency through Packing Technologies", 16th June, 2016 at University of Strathclyde, Glasgow.

9. **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)

IEEE CSCI'2016, Dec 15-17, Las Vegas, USA (Chaired a session and also presented contributed paper in the conference)

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

Principal Investigator (India) of DST funded Indo-UK project entitled "Distributing Industrial Optimization Tasks to Rural Worker" under the theme "Bridging Urban-Rural Divide (BURD)".



11. Training Programme organized:

Organized a Workshop on "Improving Supply Chain Efficiency through Packing Technologies", on 16th June, 2016 at University of Strathclyde, Glasgow under Indo-UK project.

12. Other Activities

(a) & (b) Technology / Software Developed

Following Softwares/ Technology have been developed under the DST' "BURD" Project

- i) Hybrid 3D Packing Software
- ii) Computer based Creativity Drawing Tool
- iii) Sketch-Based Image Retrieval Software
- iv) Software for Multi-drop Container Loading problem
- v) Online 2-D and 3-D Assessment Tools

The above Software were tested on workers on Workers of several Rural BPO Centers in India.

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

Name, Purpose, Period.

Visited University of Strathclyde, Glasgow in connection with Collaborative Research meetings under the DST funded Indo-UK "BURD" Project and to organize an International Workshop on "Improving Supply Chain Efficiency through Packing Technologies" on 16th June, 2016.

(d) Patents

(Title, Patent number, granting agency)

(e) Awards and Honors

Title, Awarded by

Nominated as a Senate Member of HBTI, Kanpur, India (from 30-12-2016).

(f) Continuing Education Activities

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

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

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

Name of the organization, Period

(h) Any other important activity not specified above

Served as paper reviewer of IEEE, Springer, Elsevier, Taylor & Francis and other reputed Journals.



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Dr. Sunny Sharma



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

2. **Teaching/Research/Industry Experience:**
Teaching/Research: 2 years 3 months **Industry :** 0
Total : 2 years 3 months

3. **New courses developed**
 Title, course number

4. **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)	

5. **Research papers published in journals**

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1	M. Tolani, Sunny , Rajat K. Singh, K. Shubham, Rajesh Kumar	Two-Layer Optimized Railway Monitoring System using Wi-Fi and ZigBee Interfaced Wireless Sensor Network	IEEE Sensors Journal ,	Vol. 17, Iss. 7	2017	, pp. 2241 - 2248,
2	Vinod Kumar, Sunny , V.N. Mishra, R. Dwivedi, R.R. Das	Effect of RF Plasma on Gridded Gate Pt/SiO ₂ /Si MOS Sensor for Detection of Hydrogen	IEEE Sensors Journal ,	Vol. 16, No. 16,	2016	pp. 6205 - 6212,

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.

6. **Average Impact Factor of all publications and name of the major journal in which publication are made. Average=2.51 (total 5.2 for 2 papers), IEEE Sensors Journal**



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

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

8. Seminars and invited talks presented:

Title, Organization, Date

9. 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):

10. Work done in project undertaken in the Institute:

Sponsored Project-1

Title: Investigations on Chalcogenide Photodetectors

Budget: 52.47 lac, Project approved on January 11, 2017, approved amount yet to be sanctioned

Duration: 3 years

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

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.

11. Training Programme organized:

12. Other Activities

(a) **Technology Developed** : Name of the technology/product

(b) **Software Developed** : Name of the software

(c) **Industry visited and visits to other Institutes for research** : Name, Purpose, Period.

(d) **Patents** : (Title, Patent number, granting agency)



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- (e) **Awards and Honors** : Title, Awarded by
- (f) **Continuing Education Activities**
Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)
- (g) **Participation in the High Level Industry Academia Interaction Program during summer**
Name of the organization, Period
- (h) **Any other important activity not specified above**
- Faculty-In-charge , VLSI Fabrication Lab
 - Member, Departmental Post Graduate Committee), ECE (Present), Member DUGC (previously).
 - Placement In-charge, ECE
 - **Co-PI** in Design and Innovation Center (DIC) Spoke at IIIT Allahabad (MHRD Sponsored Project)
 - **Chapter Advisor-** OSA Student Chapter-IIITA (osaiiita@osachapter.org), established at IIIT-A in 2017
 - **Professional Bodies:**
 - Member,IEEE
 - Member, Optical Society of America (OSA)
 - **Appreciation Received:**
 - Received The Letter of Appreciation from HOD (ECE)for contributions in teaching, lab development and related activities during the academic session 2015-16, (issue date 17/10/2016).
 - **Reviewer** : IEEE Transactions on Instrumentation and Measurement



Dr. Vineet Tiwari



1. Name, Department & Designation:

Dr. VINEET TIWARI, Assistant Professor
Department of Management Studies

2. Teaching/Research/Industry Experience:

Teaching/Research: 06 Years | Industry : 01 Year
Total : 07 Years

3. New courses developed :NIL.....

4. 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)	

5. Research papers published in journals

Amit Garg, Vineet Tiwari, Saritha Vishwanathan, "Relevance of Clean Coal Technology for India's Energy Security: A Policy Perspective". UCG, 13-14 February, 2017, IOP Publishing, IOP Conf. Series: Earth and Environmental Science 76 (2017) 012001, doi:10.1088/1755-1315/76/1/012001

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
	<u>Amit Garg</u> , Vineet Tiwari , Saritha Vishwanathan	Relevance of Clean Coal Technology for India's Energy Security: A Policy Perspective	<i>IOP Conf. Series: Earth and Environmental Science</i>	76 (012001)	2017	

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

IOP Conf. Series: Earth and Environmental Science

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

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page



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8. Seminars and invited talks presented:NIL.....

9. Conferences attended outside IIIT Allahabad :NIL.....

10. Work done in project undertaken in the Institute:

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.

First stakeholder meeting was held on 19th September 2016, where we presented a **Report on national frameworks to address the social, human and economic analysis of coal transition.**

One paper on Role of coal in attaining 1.5 degree C target for temperature rise has been sent for publication in the special issue of Climate Policy (T&F). Abstract has been accepted.

Model set-up and analysis is towards completion. Country level report is to be prepared.

11. Training Programme organized:

.....NIL.....

12. Other Activities

(a) Technology Developed :NIL.....

(b) Software Developed :NIL.....

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

Name: Indian Institute of Management, Ahmedabad

Purpose: For scheduled meetings related to ongoing projects

Period: 07th Oct, 2016 to 12th Oct, 2016

(d) Patents :NIL.....

(e) Awards and Honors :NIL.....

(f) Continuing Education Activities :NIL.....

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

A Workshop on Energy Efficiency on December 19, 2016 held at New Delhi, India, Organized by IIM, Ahmedabad & Energy Efficiency Services Limited (EESL)-India & Supported by Copenhagen Centre on Energy Efficiency (C2E2), United Nations Environment Program (UNEP) and the Technical University of Denmark (DTU)

A publication on Good Practices and success stories on Energy Efficiency in India was launched – I participated in the capacity of a member of the research team

(h) Any other important activity not specified above :NIL.....

Dr. Abhishek Vaish



1. **Name, Department & Designation:**
Dr. Abhishek Vaish, Department of IT, Asst. Professor.
2. **Teaching/Research/Industry Experience:**
Teaching/Research: 8 year 7 month
Industry : 2.5 years (1.5 years on Deputation to Govt. of India)
Total: 11 years few months. (Approx)

I was on deputation as a Counsellor (S&T) at Embassy of India, Moscow. I was responsible for helping the Govt of India foresee the Science policy of the country on deputation and to device new program that may connect the scientists of both the country.

3. **New courses developed :** Title, course number

4. **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)	

5. **Research papers published in journals**

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1	Kumari, P, & Vaish	Feature-level fusion of mental task's brain signal for an efficient identification system	Neural Computing and Applications	3	2016	1-11
2	Sharma, P. K., & Vaish, A	Individual identification based on Neuro-signal using motor movement and imaginary cognitive process	International Journal for Light and Electron Optics	127	2016	2143-2148

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.



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

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

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

8. **Seminars and invited talks presented:** Title, Organization, Date

9. **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)

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

11. **Training Programme organized:**

12. **Other Activities**

(a) **Technology Developed :** Name of the technology/product

(b) **Software Developed :** Name of the software

(c) **Industry visited and visits to other Institutes for research :** Name, Purpose, Period.

(d) **Patents :** (Title, Patent number, granting agency)

(e) **Awards and Honors :** Title, Awarded by

(f) **Continuing Education Activities :**

Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)

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

Name of the organization, Period

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

Amaresh Kumar Sahoo

1. Name, Department & Designation:

Amaresh Kumar Sahoo, Department of Applied Sciences,
Assistant Professor (On Contract)



2. Teaching/Research/Industry Experience:

Teaching/Research: 02 years **Industry:** NIL **Total:** 02 Years

3. New courses developed : Title, course number

4. 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)	

5. Research papers published in journals

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1	Amaresh Kumar Sahoo, Upashi Goswami, Deepanjalee Dutta, Subhamoy Banerjee, <u>Arun Chattopadhyay</u> , <u>Siddhartha Sankar Ghosh</u>	Silver Nanocluster Embedded Composite Nanoparticles for Targeted Prodrug Delivery in Cancer Theranostics	ACS Biomaterials Science & Engineering	2	2016	1395-1402
2.	Mahesh Agarwal, Amaresh Kumar Sahoo, and <u>Biplab Bose</u>	Receptor-Mediated Enhanced Cellular Delivery of Nanoparticles Using Recombinant Receptor-Binding Domain of Diphtheria Toxin	Molecular Pharmaceutics	14	2016	
3.	Srestha Basu Amaresh Kumar Sahoo Anumita Paul and <u>Arun Chattopadhyay</u>	Thumb Imprint Based Detection of Hyperbilirubinemia Using Luminescent Gold Nanoclusters	Scientific Reports	6	2016	39005

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.



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6. **Average Impact Factor of all publications and name of the major journal in which publication are made.** : 4.0

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

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

8. **Seminars and invited talks presented:** Title, Organization, Date

9. **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)

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

11. **Training Programme organized:**

12. **Other Activities**

(a) **Technology Developed :** Name of the technology/product

(b) **Software Developed :** Name of the software

(c) **Industry visited and visits to other Institutes for research :** Name, Purpose, Period.

(d) **Patents :** (Title, Patent number, granting agency)

(e) **Awards and Honors :** Title, Awarded by

(f) **Continuing Education Activities :**

Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)

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

Name of the organization, Period

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



Dr. Anand Kumar Tiwari

1. Name, Department & Designation:

Dr. Anand Kumar Tiwari, Dept. of Applied Science, Assistant professor

2. Teaching/Research/Industry Experience:

Teaching/Research: 03 Years **Industry -** 0 **Total:** 03 Years

3. New courses developed :

Title, course number: Topology, STOP240C

4. Books and book-chapters published: NIL

Sr No.	Author(s) Name	Title of the Book/Chapter	Publisher	Place and Year of publish	Pages (in case chapter)	

5. Research papers published in journals: NIL

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

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.

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

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

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.



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8. **Seminars and invited talks presented: NIL**
Title, Organization, Date
9. **Conferences attended outside IIIT Allahabad: NIL**
Conference, Venue, Dates, Type of participations, e.g. Chairing Session, presenting invited or contributed paper, panelist in discussion, any other)
10. Work done in project undertaken in the Institute: NIL
11. **Training Programme organized: NIL**
12. **Other Activities : NIL**
 - (a) **Technology Developed** : Name of the technology/product
 - (b) **Software Developed** : Name of the software
 - (c) **Industry visited and visits to other Institutes for research** : Name, Purpose, Period.
 - (d) **Patents** : (Title, Patent number, granting agency)
 - (e) **Awards and Honors** : Title, Awarded by
 - (f) **Continuing Education Activities** :
Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)
 - (g) **Participation in the High Level Industry Academia Interaction Program during summer**
Name of the organization, Period
 - (h) **Any other important activity not specified above**

Dr. Anurika Vaish



- Name, Department & Designation:**
Dr. Anurika Vaish; Department of Management Studies, Associate Professor.
- Teaching/Research/Industry Experience:**
Teaching/Research: 15yrs. approx.
Industry : 01yrs. approx
Total: 16 yrs. Approx.
- New courses developed :**
Title, course number: Strategic Management in LTP Structure : MSTM320C
- Books and book-chapters published : NIL**

Sr No.	Author(s) Name	Title of the Book/Chapter	Publisher	Place and Year of publish	Pages (in case chapter)	

5. Research papers published in journals

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
	<u>Vaish, Anurika & Sengupta, Sarthak.</u>	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	2017	pp. 76-84
	<u>Kumar, Pravin, Rajesh Kumar Singh, & Anurika Vaish..</u> "	Suppliers green performance evaluation using fuzzy extended ELECTRE approach	Clean Technologies and Environmental Policy, (Springer-Verlag Berlin Heidelberg)	-----	2016	pp. 1-13,
	<u>Singh, Seema, & Vaish, Anurika.</u>	Performance appraisal mechanism in Indian higher academic institutions	International Journal of Management, IT and Engineering	Vol: 6; issue 10	2016	pp. 113 -124

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.



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

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

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page
	<u>Shankar, Shardul</u> , Srisha, Anagh G., Vaish, Anurika	Spirituality and skill for leadership towards sustainable management	4th International conference on spirituality and skill for leadership and sustainable management, SMS – Varanasi		18-19th February, 2017	
	<u>Sonam, Sharma</u> , Vaish, Anurika	Analyzing price strategies and its relationship on market presence by an e-seller in an e-market	RDA's 18th International Conference on "Sustainable Growth & Innovation in t he New Millennium" (IC-SGINM),		March 26 -27, 2016.	

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

8. **Seminars and invited talks presented:** Title, Organization, Date

9. **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)

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

11. **Training Programme organized:**

12. **Other Activities**

(a) **Technology Developed :** Name of the technology/product

(b) **Software Developed :** Name of the software

(c) **Industry visited and visits to other Institutes for research :** Name, Purpose, Period.

(d) **Patents :** (Title, Patent number, granting agency)

(e) **Awards and Honors :** Title, Awarded by

(f) **Continuing Education Activities :**

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

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

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

Name of the organization, Period

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



Dr. Neetesh Purohit



1. Name, Department & Designation:

Dr. Neetesh Purohit

2. Teaching/Research/Industry Experience:

Teaching/Research: 14 years **Total:** 14 Years

3. New courses developed : NIL

4. Books and book-chapters published : NIL

5. Research papers published in journals

Mahendra Kumar Shukla, Suneel Yadav, and Neetesh Purohit, "Ergodic Sum Rate Evaluation of Cellular Multiuser Two-Way Relaying with Beamforming and Antenna Selection over Nakagami-m Fading," Springer Wireless Personal Communications, DOI: 10.1007/s11277-016-3795-6, online published 2016. (IF: 0.951)

Mahendra Shukla, Suneel Yadav, Neetesh Purohit, 'Performance Evaluation and Optimization of Traffic-Aware Cellular Multiuser Two-Way Relay Networks over Nakagami-m Fading', Online published in IEEE Systems Journal, 2016. (IF: 3.882)

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

Springer Wireless Personal Communications, (IF: 0.951)
IEEE Systems Journal, 2016. (IF: 3.882)

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

Mahendra K. Shukla, Suneel Yadav, and Neetesh Purohit, "Antenna Selection with User Scheduling in Traffic-Aware Cellular Two-Way Relaying Networks," IEEE International Conference on Signal Processing, Communications and Computing (ICSPCC), 5-8 August 2016, Hong Kong, China

8. Seminars and invited talks presented:

Signal Processing Requirements for IoT applications over 5G network technologiesAntenna Design and Signal Processing Techniques for 5G Networks and IoT', (ADSPNIT- 2017) MNNIT Allahabad, 27th Feb – 4th March, 2017

'Make in India: A mantra for youths that can transform India into a developed country', DST-INSPIRE programme at Avadesh Pratap Singh University, Reva MP Dec 5-9, 2016.

'Applications of 'Advance Computing' in Wireless Sensor Networks', IEEE International Conference ICACSE 2016 KNIT Sultanpur Oct 15th 2016

'An Innovative Design of WSN Node', WCSD-2016, SIET Allahabad on April 10, 2016



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9. **Conferences attended outside IIIT Allahabad :** Nil
10. **Work done in project undertaken in the Institute:**
Co-PI in the Design and Innovation Center (DIC) at IIIT Allahabad
11. **Training Programme organized:** Nil
12. **Other Activities**
 - (a) **Technology Developed :** Nil
 - (b) **Software Developed :** Nil
 - (c) **Industry visited and visits to other Institutes for research :** Nil
 - (d) **Patents :** NIL
 - (e) **Awards and Honors :** NIL
 - (f) **Continuing Education Activities :** NIL
 - (g) **Participation in the High Level Industry Academia Interaction Program during summer :** NIL
 - (h) **Any other important activity not specified above :** Nil



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: 3.5 years
Industry : 0 Years
Total: 3.5 years
3. **New courses developed** -No
4. **Books and book-chapters published-** No
(Order: Title, Publishers and Place, Year, All authors)
In case of chapters, title of the chapter, title of the book, publisher & place, year, all authors.
5. **Research papers published in journals-** Yes
Pooja Mishra, Akanksha Garg and Dharmendra Singh, "Critical Analysis of model based incoherent polarimetric decomposition methods and investigation of deorientation effect," IEEE Transactions on Geoscience and Remote Sensing, vol. 55, pp 1-10, 2017.
6. **Research papers published in conference proceedings (as a full paper)**
Nidhi Verma, Pooja Mishra, Neetesh Purohit and Dharmendra Singh, "Explicating MiniSAR data to underline significant properties of lunar surface," IEEE International Conference on Emerging Trends in Communication Technologies (ICETCT), 2016.
7. **Seminars and invited talks presented:** Yes
Invited Lecture on " Lunar Surface Characterization And Parameter Retrieval Using Chandrayaan- 1's Minisar Data", in 11th International Conference on Industrial and Information Systems (ICIIS) held in IIT Roorkee on Dec 3-4, 2016.
8. **Conferences attended outside IIIT Allahabad:** Yes
11th International Conference on Industrial and Information Systems (ICIIS) held in IIT Roorkee on Dec 3-4, 2016. (Invited Talk)
9. **Work done in project undertaken in the Institute:** No
10. **Training Programme organized:** No
11. **Other Activities**
(a) **Technology Developed :**
Name of the technology/product



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- (b) **Software Developed**
Name of the software
- (c) **Industry visited and visits to other Institutes for research**
Name, Purpose, Period.
- (d) **Patents**
(Title, Patent number, granting agency)
- (e) **Awards and Honors**
Title, Awarded by
- (f) **Continuing Education Activities**
Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)
- (q) **Participation in the High Level Industry Academia Interaction Program during summer**
Name of the organization, Period
- (h) **Any other important activity not specified above**

Dr. Rajat Kumar Singh



1. **Name, Department & Designation:**
Dr. Rajat Kumar Singh,
Associate Professor, ECE Department
2. **Teaching/Research/Industry Experience:**
Teaching/Research: 11 Years
Industry: Zero
Total: 11 Years
3. **New courses developed:** No
4. **Books and book-chapters published:** No
5. **Research papers published in journals**
 - i. Prashant Singh, Aditya Nath Bhatt, Akansha Bansal, Rajat Kumar Singh, and B. R. Singh, "Lead-zirconate-titanate based metal/ferroelectric/high-K/semiconductor (M/Fe/High-K/S) gate stack for non-volatile memory applications," Ferroelectronics (Taylor and Francis), Vol. 504, pp. 139-148, Nov'2016.
 - ii. Shiv Ram Dubey, Satish Kumar Singh and Rajat Kumar Singh, "Multichannel Decoded Local Binary Patterns for Content Based Image Retrieval," IEEE Transactions on Image Processing, Vol. 25, No. 9, pp. 4018-4032, Sept'2016.
 - iii. Shiv Ram Dubey, Satish Kumar Singh and Rajat Kumar Singh, "A Novel Local Bit-plane Dissimilarity Pattern for CT Image Retrieval," IET Electronics Letters, Vol. 52, No. 15, pp. 1290-1292, July'2016.
 - iv. Shiv Ram Dubey, Satish Kumar Singh and Rajat Kumar Singh, "Local Bit-plane Decoded Pattern: A Novel Feature Descriptor for Biomedical Image Retrieval," IEEE Journal of Biomedical and Health Informatics, Vol. 20, No. 4, pp. 1139-1147, July'2016.
6. **Average Impact Factor of all publication and name of the major journal in which publication are made:** 1.96 (17 Journals) IEEE, Elsevier, Springer, Taylor & Francis
7. **Research papers published in conference proceedings:** No
8. **Seminars and invited talks presented:** No
9. **Conferences attended outside IIIT Allahabad:** No
10. **Work done in project undertaken in the Institute:** No
11. **Training Programme organized:** No



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Dr Ranjit Singh



1. Name, Department & Designation:

Dr Ranjit Singh,
Associate Professor, Department of Management Studies

2. Teaching/Research/Industry Experience:

Teaching/Research: 14 years **Industry :** 0 **Total:** 14 years

3. New courses developed : Title, course number

4. 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 Ranjit Singh	Business Environment	Kalyani Publishers	New Delhi, 2016		

5. Research papers published in journals

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1	Singh Ranjit and Choudhry Mousumi	Measuring Customers' Perception in Bancassurance Channel using Psychometric Scale	DLSU Business and Economics Review	26 (2)	2017	67-86
2	Khandoker, Sogir Hossain, Bhuyan, Rafiquel, and Singh, Ranjit	Implementation Shortfall in Transaction Cost Analysis: A Further Extension	The Journal of Trading	12 (1)	2017	1-17
3	Singh Ranjit and Leepsa NM	Feasibility of Investing in Carbon Efficient Portfolios	International Journal of Banking and Finance	12 (2)	2016	23-41
4	Choudhury Mousumi, Singh Ranjit and Saikia Hemanta	Measuring Customer Experience in Bancassurance: An Empirical Study	Market-Tržište-	28 (1)	2016	47-62



Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
5	Singh Ranjit, Leepsa NM and Kushwaha Narendra	Testing the Weak Form of Efficient Market Hypothesis in Carbon Efficient Stock Indices along with their Benchmark Indices in Select Countries	Iranian Journal of Management Studies	9 (3)	2016	627-650
6	Choudhury Mousumi and Singh Ranjit	Customers' Perception regarding Assurance of Bancassurance Channel	Acta Univ. Sapientiae, Economics and Business	4 (1)	2016	85-102
7	Singh Ranjit and Deb Sujit	Impact of Risk Perception on Investors towards their Investment in Mutual Fund	Pacific Business Review International	9(1)	2016	16-23
8	Deb Sujit, Singh Ranjit	Investment Behaviour towards Mutual Fund: Are Demographic Variables Really Significant? A Study on Bank Employees of Tripura	The IUP Journal of Bank Management	16 (1)	2017	62-74
9	Jindal Onam, Singh Ranjit and Biswas Nigamananda	Importance of Labour Welfare in Tea Estates: A Literature Review	BIMS Journal of Management	1(2)	2016	27-30
10	Leepsa, NM and Singh, Ranjit	The impact of Acquisition of an insurance company on Bank's Financial Performance: A Study on the Acquisition of Metlife India Insurance co. Ltd by Punjab National Bank	The IUP Journal of Bank Management	15 (3)	2016	52-67



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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.

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

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

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

8. **Seminars and invited talks presented:** Title, Organization, Date

9. **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)

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

11. **Training Programme organized:**

12. **Other Activities**

(a) **Technology Developed :** Name of the technology/product

(b) **Software Developed :** Name of the software

(c) **Industry visited and visits to other Institutes for research :** Name, Purpose, Period.

(d) **Patents :** (Title, Patent number, granting agency)

(e) **Awards and Honors :** Title, Awarded by

(f) **Continuing Education Activities :**

Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)

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

Name of the organization, Period

Member of the organizing team of the Industry Academia Interface organized by Department of
Business Administration, Assam University, Silchar from 22/12/2016-25/12/2016

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



Dr. Shailendra Kumar



1. Name, Department & Designation:

Dr. Shailendra Kumar,
Department of Management Studies, Assistant Professor.

2. Teaching/Research/Industry Experience:

Teaching/Research: 15 Industry: 0 Total: 15

3. New courses developed : Title, course number

4. Books and book-chapters published NIL

Sr No.	Author(s) Name	Title of the Book/Chapter	Publisher	Place and Year of publish	Pages (in case chapter)	

5. Research papers published in journals

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1.	Gupta, K. P., Kumar, S. and Verma, P.	Impact of Degrees of Operating and Financial Leverage on Systematic Risk: Evidence from India	Academy of Taiwan Business Management Review (ISSN: 1813-0534),	Vol. 12, No. 1,	April 2016	pp. 140-148.
2.	Jaiswal, A., Chaurasia, K. P. and Kumar, S.	Performance of Levered viz-z-viz Unlevered Firm: A Study in Indian Context	Advances in Economics and Business Management (AEBM) (ISSN: 2394-1545),	Vol. 3, No. 2,.	May 2016	pp. 158-161
3.	Gupta, K. P., Kumar, S. and Verma, P.	Value Relevance of the Degree of Leverages	International Journal of Business and Emerging Markets (Inderscience) (ISSN: 1753-6219)	Vol. 8, No. 2	May 2016	pp. 166-182.



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Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
4.	Gupta, K. P., Kumar, S. and Verma, P.	Association between Degree of Leverages and Firm Value	Asian Journal of Finance & Accounting (ISSN: 1946-052X)	Vol. 8, No. 1	June 2016	pp. 212-229
5.	Kumar, S., Johri, A., and Sharma, A.	Determination of Key Funding Criteria by Venture Capitalists for Financing IT Firm in Indian Economy",	International Journal of Applied Business and Economic Research (ISSN: 0972-7302)	Vol. 14, No. 7	August 2016	pp.5343-5357.
6.	Arora, L., Kumar, S., and Verma, P.	Growth Measures and Stock Returns	Indian Journal of Finance (ISSN: 0973 - 8711)	Vol. 10, No. 11,	November 2016	pp. 43-53.

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

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

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

8. **Seminars and invited talks presented:** Title, Organization, Date

9. **Conferences attended outside IIIT Allahabad**

Arora, L., Kumar, S., and Verma, P. (2017). "Examining the Growth-Risk Relationship using Panel VAR Model", 12th International Conference on "Asian Financial Markets and Economic Development", 07th - 08th January 2017, jointly organized by Shiga University, Southwestern University of Finance and Economics & Nagasaki University at Kyoto and Hikone Campus, Shiga University (Japan). (Paper Presented)



10. Work done in project undertaken in the Institute:

11. Training Programme organized:

12. Other Activities

(a) **Technology Developed** : Name of the technology/product

(b) **Software Developed** : Name of the software

(c) **Industry visited and visits to other Institutes for research** : Name, Purpose, Period.

(d) **Patents** : (Title, Patent number, granting agency)

(e) **Awards and Honors** : Title, Awarded by

(f) **Continuing Education Activities**

Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)

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

Name of the organization, Period

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

(1) Doctoral Research Supervised

1. Supervised Mr. Pradeep K. Gupta on the topic “Value Relevance of Degree of Leverages and its Impact on Systematic Risk: An Empirical Study on Indian Manufacturing Firms” as a Co-Supervisor at Thapar University, Patiala. (2016)
2. Supervised Mr. Amar Johri on the topic “Role of Venture Capital in the Development of IT Sector in India”, as an Co-Supervisor in Graphic Era University, Dehradun (Uttarakhand). (March 2017)

(2) MBA PROJECT SUPERVISED

Supervised Mr. Rahul Kumar, Student from Department of Chemical Engineering- IIT Kharagpur, on the topic “Financial Analysis of TATA Steel” under Student Research Internship Program (SRIP) during 21st May- 10th July 2016 at Indian Institute of Information Technology (IIIT), Allahabad.



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Dr. Sonali Agarwal

1. Name, Department & Designation:

Dr. Sonali Agarwal (Assistant Professor)



2. Teaching/Research/Industry Experience:

Teaching/Research: _____ Industry _____ Total: _____

3. New courses developed : Title, course number

4. 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)	

5. Research papers published in journals

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1	Sayantan Nath, Sonali Agarwal, G.N. Pandey	Evaluation of Knowledge Gaps in Mathematical Applications of Thermal Image Processing Techniques for Fire Prevention	ACM Computing Surveys (CSUR)	50 (1)	2017	1-43
2	Bakshi Rohit Prasad, Sonali Agarwal	Stream Data Mining: Platforms, Algorithms, Performance Evaluators and Research Trends	IJDTA	9 (9)	2016	201-218
3	Divya Tomar, Sonali Agarwal	Leaf Recognition for Plant Classification Using Direct Acyclic Graph Based Multi-Class Least Squares Twin Support Vector Machine	International Journal of Image and Graphics	16 (3)	2016	NA
4	Divya Tomar, Sonali Agarwal	Twin Support Vector Machine for Multiple Instance Learning Based on Bag Dissimilarities	Advances in Artificial Intelligence	NA	2016	18 pages
5	Harshal Singh, Divya Tomar, Sonali Agarwal	Link Prediction for Authorship Association in Heterogeneous Network Using Streaming Classification.	International Journal of Grid and Distributed Computing	9 (4)	2016	135-150
6	Geetanjali Chaurasia, Sonali Agarwal	A Hybrid Approach of Clustering and Time-Aware Based Novel Test Case Prioritization Technique	International Journal of Database Theory and Application	9 (4)	2016	23-44



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

h-index = 13

7. 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	Bakshi Rohit Prasad, Unmesh Kishor Bendale, Sonali Agarwal	Distributed Feature Selection using Vertical Partitioning for High Dimensional Data	ICACCI	10.1109/ICA CCI.2016.77 32145	2016	807-813
2	Suchi Maheswari, Sonali Agarwal	Three-way decision based Defect Prediction for Object Oriented Software.	AICTC	10.1145/297 9779.29797 83	2016	NA
3	Neha Garg, Sonali Agarwal	Process Mining for Clinical Workflows	AICTC	10.1145/297 9779.29797 84	2016	NA
4	Bakshi Rohit Prasad, Sonali Agarwal	Performance Analysis and Optimization of Spark Streaming Applications Through Effective Control Parameters Tuning	ICACNI	10.1007/978 -981-10- 3376-6_11	2016	99-110
5	Ayushi Thatola, Parul Prasad, Sonali Agarwal	Growth and opportunities in E-commerce using social media text analytics: an exclusive study on twitter	International Conference on "Sustainable Growth & Innovations	NA	2016	NA
6	Vimal Upadhyay, Sonali Agarwal	In-service Pipeline Inspection Crawler.	International Conference on Intelligent Communication, Control and Devices	10.1007/978 -981-10- 1708-7_23	2016	203-209
7	Divya Tomar, Sonali Agarwal	A Multilabel Approach Using Binary Relevance and One-versus-Rest Least Squares Twin Support Vector Machine for Scene Classification.	CICT	10.1109/CIC T.2016.17	2016	37-42
8	Bakshi Rohit Prasad, Unmesh Kishor Bendale, Sonali Agarwal	Distributed Information Gain Theoretic Feature Selector using Spark	ICIIS	NA	2016	NA



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Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

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

(a) "Distributed Information Gain Theoretic Feature Selector using Spark" held at IIT Roorkee on December 3rd and 4th, 2016

9. Conferences attended outside IIIT Allahabad

(a) Talk on "Distributed Information Gain Theoretic Feature Selector using Spark" held at IIT Roorkee on December 3rd and 4th, 2016

10. Work done in project undertaken in the Institute:

11. Training Programme organized:

12. Other Activities

(a) **Technology Developed** : Name of the technology/product

(b) **Software Developed** : Name of the software

(c) **Industry visited and visits to other Institutes for research** : Name, Purpose, Period.

(d) **Patents** : (Title, Patent number, granting agency)

(e) **Awards and Honors** : Title, Awarded by

(f) **Continuing Education Activities** :

Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)

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

Name of the organization, Period

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



Dr. Suneel Yadav

1. Name, Department & Designation:

Dr. Suneel Yadav,
ECE, Assistant Professor.



2. Teaching/Research/Industry Experience:

Teaching/Research: _ 2 years and 3 months

Industry _ 4 months

Total: _ 2 years and 7 months _

3. New courses developed

1. Detection and Estimation Theory (EDET630E)
2. MIMO Communications (EMIM730E)

4. 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)	

5. Research papers published in journals

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1	Mahendra Kumar Shukla, Suneel Yadav, and Neetesh Purohit	Ergodic Sum Rate Evaluation of Cellular Multiuser Two-Way Relaying with Beamforming and Antenna Selection over Nakagami-m Fading	Springer-Wireless Personal Communications	95 (2)	2016	743-760
2	Mahendra Kumar Shukla, Suneel Yadav, and Neetesh Purohit,	"Performance Evaluation and Optimization of Traffic-Aware Cellular Multiuser Two-Way Relay Networks over Nakagami-m Fading,"	IEEE Systems Journal,	DOI: 10.1109/JSYST.2016.2597879,	2016	1-12

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.



Annual Report 2016-17

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

Wireless Personal Communication: IF 0.951

IEEE Systems Journal: IF 3.88

7. 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	Deeksha Agarwal and Suneel Yadav	Outage Performance of Energy Harvesting Relay-Assisted Device-to-Device Communication	IEEE International Conference on Wireless Communications Signal Processing and Networking,		2017	1-5
2	Ashish Kant Shukla and Suneel Yadav	Performance Analysis of Incremental Hybrid Decode-Amplify-Forward Cooperative Relaying with Opportunistic Relay Selection under Rayleigh Fading Channels	IEEE International Conference on Wireless Communications Signal Processing and Networking,		2017	1-5
	Mahendra K. Shukla, Suneel Yadav, and Neetesh Purohit,	Antenna Selection with User Scheduling in Traffic-Aware Cellular Two-Way Relaying Networks	IEEE International Conference on Signal Processing, Communications and Computing (ICSPCC)		2016	1-6
3	Suneel Yadav, D. Kumar, A. Srivastava, and M. L. Likhitha	Smart Luggage Security System	Second India International Science Festival-Young Scientists' Conclave (YSC)		2016	1-1
4	Suneel Yadav, A. Maheshwari, A. Garg, and U. Nirbhay	Smart Garbage Monitoring System	Second India International Science Festival-Young Scientists' Conclave (YSC)		2016	1-1

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.



8. **Seminars and invited talks presented:** NIL
9. **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)
10. **Work done in project undertaken in the Institute:**
11. **Training Programme organized:**
12. **Other Activities**
 - (a) **Technology Developed**
 1. Smart Luggage Security system
 2. Smart Garbage Monitoring System
 3. Unmanned RC Aircraft
 4. Drone for Disaster Applications
 5. Unmanned Underwater Obstacle Detector
 - (b) **Software Developed :** NIL
 - (c) **Industry visited and visits to other Institutes for research**
Indian Institute of Technology Kanpur, Research Collaboration, 11 June, 2016-21 June, 2016.
 - (d) **Patents :** NIL
 - (e) **Awards and Honors :** NIL
 - (f) **Continuing Education Activities :** NIL
 - (g) **Participation in the High Level Industry Academia Interaction Program during summer :** NIL
 - (h) **Any other important activity not specified above**



Annual Report 2016-17

Dr. Utkarsh Goel

1. Name, Department & Designation:

Dr. Utkarsh Goel



2. Teaching/Research/Industry Experience:

Teaching/Research: _____ 4

Industry _____ 1

Total: _____ 5 years

3. New courses developed : Title, course number NA

4. 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)	

5. Research papers published in journals

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1	Utkarsh Goel; Anil K. Sharma	Measuring efficiency of working capital management: a two- stage data envelopment analysis approach	Int. J. of Business Excellence	Vol.10, No.4	2016	523 - 544

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.

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

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

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.



8. **Seminars and invited talks presented:** Title, Organization, Date
9. **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) : NA
10. **Work done in project undertaken in the Institute:** NA
11. **Training Programme organized:** NA
12. **Other Activities**
 - (a) **Technology Developed :** Name of the technology/product
 - (b) **Software Developed :** Name of the software
 - (c) **Industry visited and visits to other Institutes for research :** Name, Purpose, Period.
 - (d) **Patents :** (Title, Patent number, granting agency)
 - (e) **Awards and Honors :** Title, Awarded by
 - (f) **Continuing Education Activities :**
Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)
 - (g) **Participation in the High Level Industry Academia Interaction Program during summer**
Name of the organization, Period
 - (h) **Any other important activity not specified above :** NA



Annual Report 2016-17

Dr. Vijaishri Tewari

1. Name, Department & Designation:

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

2. Teaching/Research/Industry Experience:

Teaching/Research: _____ 15 years _____ Industry _____ NA _____ Total: 15 years _____

3. New courses developed : Title, course number: Creativity and Innovations (MCRI320E), Emotional Intelligence and Leadership (MEIL320E)

4. 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)	

5. Research papers published in journals

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

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.

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

7. 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 Vijaishri Tewari and Mr. Bhartiahari Panndya	"A review of antecedents capable of alluring the prospective employees"	Conference on Brand Management, in, IIT Delhi	ISBN:9781786354112	16th -17th April 2016	
2.	Dr Vijaishri Tewari and Mr. Bhartiahari Panndya	Globalization of Markets: Emerging Challenges – "A perspective from Employer Branding	All India Commerce Conference at Lucknow University		11-13th November 2016.	
3.	Dr Vijaishri Tewari and Mrs. Richa Dubey	"A systematic review on relevant soft skills in software engineering curricula"	8th edition EDULEARN Barcelona (Spain)		July 4th-5th-6th, 2016	



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

8. Seminars and invited talks presented:

Women Empowerment: Faces of Indian Women, Hanswahini Group of Institutions, Sept'17

9. 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)

10. Work done in project undertaken in the Institute: NA

11. Training Programme organized: Motivation and Ownership Training, 17th September '16 MBA Department. .

12. Other Activities

(a) Technology Developed: NA

Name of the technology/product

(b) Software Developed : NA

Name of the software

(c) Industry visited and visits to other Institutes for research : Name, Purpose, Period.

(d) Patents: NA

(Title, Patent number, granting agency)

(e) Awards and Honors: NA

Title, Awarded by

(f) Continuing Education Activities: NA

Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)

(g) Participation in the High Level Industry Academia Interaction Program during summer: NA

Name of the organization, Period

(h) Any other important activity not specified above:



Annual Report 2016-17

Dr. S.Venkatesan

1. Name, Department & Designation:

Dr. S.Venkatesan,
Assistant Professor, Department of Information Technology



2. Teaching/Research/Industry Experience:

Teaching/Research: 10 years 2 months **Industry :** 0
Total: 10 Years 2 months

3. New courses developed : Nil

4. Books and book-chapters published : NIL

Sr No.	Author(s) Name	Title of the Book/Chapter	Publisher	Place and Year of publish	Pages (in case chapter)	

5. Research papers published in journals

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1	Venkatesan S., Vladimir A. Oleshchuk, Chellappan C., and Sourabh Prakash	Analysis of Key Management Protocols for Social Networks	International Journal of Social Network Analysis and Mining	Vol.6	2016	

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.

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

H-Index : 7

International Journal of Social Network Analysis and Mining

7. 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	Kavisankar Leelasankar, Chellappan Chenniappan, Venkatesan Subramanian and Sivasankar P	Efficient SYN spoofing Detection and Mitigation Scheme for DDoS attack	Second International Conference on Recent Trends and Challenges in Computational Models-2017	66	2017	



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

8. Seminars and invited talks presented:

1. Blockchain: Goethereum Implementation Perspective, IEEE Computer Society of India Symposium, Indian Institute of Information Technology, Allahabad, 18-03-2017.
2. Blockchain: Goethereum Implementation Perspective, Indian Institute of Technology, Kanpur, 11-03-2017

9. Conferences attended outside IIT Allahabad : Nil

10. Work done in project undertaken in the Institute:

11. Training Programme organized:

12. Other Activities

- (a) **Technology Developed** : Nil
- (b) **Software Developed** : Nil
- (c) **Industry visited and visits to other Institutes for research**
Indian Institute of Technology, Kanpur for Research Collaboration, 11-03-2017
- (d) **Patents** : Nil
- (e) **Awards and Honors** : Nil
- (f) **Continuing Education Activities** : Nil
- (g) **Participation in the High Level Industry Academia Interaction Program during summer** : Nil
- (h) **Any other important activity not specified above** : Nil



Annual Report 2016-17

Sudipta Das

1. Name, Department & Designation:

Sudipta Das

Dept. of Management Studies, Assistant Professor



2. Teaching/Research/Industry Experience:

Teaching/Research: _____ 2 years

Industry : _____ 11 years

Total: _____ 13 years

3. New courses developed : NO

Title, course number

4. Books and book-chapters published : NO

Sr No.	Author(s) Name	Title of the Book/Chapter	Publisher	Place and Year of publish	Pages (in case chapter)	

5. Research papers published in journals: NO

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

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.

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

7. Research papers published in conference proceedings (as a full paper) NO

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

8. Seminars and invited talks presented: NO

Title, Organization, Date



9. **Conferences attended outside IIT Allahabad : NO**
Conference, Venue, Dates, Type of participations, e.g. Chairing Session, presenting invited or contributed paper, panelist in discussion, any other)
10. **Work done in project undertaken in the Institute: NO**
11. **Training Programme organized: NO**
12. **Other Activities:**
 - (a) **Technology Developed : NO**
Name of the technology/product
 - (b) **Software Developed : NO**
Name of the software
 - (c) **Industry visited and visits to other Institutes for research : NO**
Name, Purpose, Period.
 - (d) **Patents : NO**
(Title, Patent number, granting agency)
 - (e) **Awards and Honors : NO**
Title, Awarded by
 - (f) **Continuing Education Activities : NO**
Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)
 - (g) **Participation in the High Level Industry Academia Interaction Program during summer : NO**
Name of the organization, Period
 - (h) **Any other important activity not specified above : NO**



Annual Report 2016-17

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 04 months (till October 10, 2017)

3. **New courses developed:** Algebra (SALG240C) (Ph.D. course work)

4. **Books and book-chapters published :** NIL

5. **Research papers published in journals:**

Sr. No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	Page
1	Sumit Kumar Upadhyay, Shiv Datt Kumar, Raja Sridharan	Connection between commutative algebra and topology	Indian Journal of Pure and Applied Mathematics 2016 Impact Factor: 0.325	47(3)	2016 (September)	471-489
2	Sumit Kumar Upadhyay, Shiv Datt Kumar, 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 2016 Impact Factor: 0.425	87(3)	2017 (September)	349 - 353

6. **Average Impact Factor of all publications and name of the major journal in which publication are made:** 0.375 and Proceedings of the National Academy of Sciences, India Section A: Physical Sciences

7. **Research papers published in conference proceedings (as a full paper):** None

8. **Seminars and invited talks presented:** None

9. **Conferences attended outside IIIT Allahabad:** None

10. **Work done in project undertaken in the Institute:** NA

11. **Training Programme organized:** None

12. **Other Activities:** Visited IISER, Pune during March 11, 2017 – March 14, 2017.



Dr. Manish Goswami

1. Name, Department & Designation:

Dr. Manish Goswami,
Department of Electronics and Communication,
Associate Professor & Head

2. Teaching/Research/Industry Experience:

Teaching/Research : 14 Industry : 01 Total : 15

3. New courses developed : NA

4. Books and book-chapters published : NA

Sr No.	Author(s) Name	Title of the Book/Chapter	Publisher	Place and Year of publish	Pages (in case chapter)	

5. Research papers published in journals :

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1.	Anush Bekal, Salony Varshney, Kamal Prakash Pandey, Manish Goswami	" Linear Relationship ADC with Complementary switch-based boot strapped sample and hold circuit"	Int.Journal of Electronics	Vol.104,no .9	2017	pp-1427-1446
2	Ankita Verma, Pramod N.Tripathi, B.Rsingh, Manish Goswami	"A Defected Ground Split Ring Resonator for an Ultra-fast Selective Sensing of Glucose content blood plasma"	Journal of Electromagnetic waves and Application	Vol.31, no.10	2017	1049-1061
3.	Anush Bekal, Shabi Tabassum and Manish Goswami,	"Low Power Design of a 1V 8-bit 125 Asynchronous SAR ADC with Binary Weighted Capacitive DAC,"	Journal of Circuits, Systems, and Computers	vol.26, no. 5	2016	1750077(1-25),

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.



Annual Report 2016-17

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

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

Sr No.	Author(s) Name	Title of the Article	Conference	Year	page
1.	Divyesh Sachan, Harish Peta, Kamaldeep Singh Malik and Manish Goswami	"Low power multi threshold 7T SRAM cell"	IEEE Midwest Symp. Circ. Systems (MWSCAS2016),	2016	Presented
2	Apoorva Pathak, Divyesh Sachan, Harish Peta and Manish Goswami	"A Modified SRAM BASED Low Power Memory Design"	IEEE VLSID Kolkata.	2016	Presented

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

8. **Seminars and invited talks presented :** NA

Title, Organization, Date

9. **Conferences attended outside IIT Allahabad:**

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

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

Project title	Year	Status
Development and Application of Atomic Layer Deposition for High Efficiency c-Si Photovoltaic Solar Cells SOLAR ENERGY RESEARCH INITIATIVE (SERI)	June 2014-June 2017	completed
Special Manpower Development Programme-Chip to System Design (Meity)	November 2015-November 2020	Ongoing

11. **Training Programme organized: Workshop**

Workshop on advanced research in microelectronics Workshop from 26-01-2017 29-01-2017

12. **Other Activities**

- (a) **Technology Developed :** NA
Name of the technology/product
- (b) **Software Developed :** NA
Name of the software



- (c) **Industry visited and visits to other Institutes for research :**NA
Name, Purpose, Period.
- (d) **Patents:** NA
(Title, Patent number, granting agency)
- (e) **Awards and Honors:**
Supervisor of the team which won first prize in Mentor Graphics All India Design Contest -2016 organized by Mentor Graphics-Bangalore
Supervisor of the team which won second Prize in All India University Design Contest organized by Synopsys-Bangalore
- (f) **Continuing Education Activities:** NA
Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)
- (g) **Participation in the High Level Industry Academia Interaction Program during summer:** NA
Name of the organization, Period
- (h) **Any other important activity not specified above**

Position	Description
Faculty In-charge (Admission and Examination) (IIIT-A)	To look after the BTECH & Mtech admission of IIIT-A and IIIT-Lucknow
Convener DUGC (ECE),	23-07-2015- 09-01-2017 To look after the UG activities of ECE deptt
Supervisor and Co-supervisor for doctoral students	1-awarded(RS122)(Co-supervisor) 4-Ongoing



Annual Report 2016-17

Dr. Krishna Pratap Singh



1. Name, Department & Designation:

Dr. Krishna Pratap Singh,
Assistant Professor, Department of Information Technology

2. Teaching/Research/Industry Experience:

Teaching/Research : 8 Years **Industry :** 0
Total : 8 Years

3. New courses developed : Title, course number

4. 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)	

5. Research papers published in journals

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page	Impact Fac.
1	J Kashniyal, S Verma, KP Singh	Wireless Sensor Networks Localization using Progressive ISOMAP	Wireless Personal Communications	92(3)	2017	1281-1302	0.951
2	Muneendra Ojha, Krishna Pratap Singh, Pavan Chakraborty, Shekhar Verma	An Empirical Study of Aggregation Operators with Pareto Dominance in Multiobjective Genetic Algorithm	IETE Journal of Research	63(4)	2017	493-503	0.909

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.

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6. **Average Impact Factor of all publications and name of the major journal in which publication are made :** 0.9

7. **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	Raj Kumar, Krishna Pratap Singh	SVM with Feature Selection and Extraction Techniques for Defect-Prone Software Module Prediction	Proceedings of Sixth International Conference on Soft Computing for Problem Solving, Springer		2017	279-289

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

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

Delivered Two Talks in GIAN course “Fairness, Accuracy and Transparency in Machine Learning” 11th December 2016 at IIIT Allahabad.

9. **Conferences attended outside IIIT Allahabad**

Organizing Secretary, SOCPROS-2016, 23-24 Dec, 2016, Thapar University, Patiala.

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

11. **Training Programme organized:**

12. **Other Activities**

(a) **Technology Developed :** Name of the technology/product

(b) **Software Developed :** Name of the software

(c) **Industry visited and visits to other Institutes for research :** Name, Purpose, Period.

(d) **Patents :** (Title, Patent number, granting agency)

(e) **Awards and Honors :** Title, Awarded by

(f) **Continuing Education Activities :**

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

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

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

Name of the organization, Period

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



Annual Report 2016-17

Dr. Sangeeta Singh

1. **Name, Department & Designation :**
Dr. Sangeeta Singh, Assistant Professor
2. **Teaching/Research/Industry Experience:** 07 years (Teaching + Research)
3. **New courses developed**
4. **Books and book-chapters published :** NIL
5. **Research papers published in journals**
 - Mishra Swechha, Singh Sangeeta. Structural and functional annotation of ALOX-5. IEEE 2016 (Accession Number: 16252970), DOI: 10.1109/BSB.2016.7552146
 - Mishra Swechha, Singh Sangeeta. Crosstalk of Proteins, miRNAs involved in Metastatic and Epithelial- Mesenchymal Transition Pathways. Frontiers in life sciences 2016, Volume 9, Issue 4, 323-346.
 - Mishra Swechha, Puneet Kumar, Singh Sangeeta. Advanced acuity in microbial biofilm genesis, development, associated clinical infections and control. Journal des infectieux, 2017, 19, 20-3
 - Gupta Ayushi Mishra Swechha, Singh Sangeeta, Mishra Sonali. Prevention of IcaA regulated Poly N-acetyl glucosamine formation in Staphylococcus aureus biofilm through new-drug like inhibitors: In silico approach. Microbial pathogenesis 2016. S0882-4010(16)30459-4. doi: 10.1016/j.micpath.2017.05.025.
6. **Average Impact Factor of all publications and name of the major journal in which publication are made.**
Average impact factor- 1.09
Major Journal- Microbial Pathogenesis
7. **Research papers published in conference proceedings (as a full paper)**
8. **Seminars and invited talks presented :**
9. **Conferences attended outside IIIT Allahabad - 01**
10. **Work done in project undertaken in the Institute :**
11. **Training Programme organized:**
12. **Other Activities**
 - (a) Technology Developed
 - (b) Software Developed
 - (c) Industry visited and visits to other Institutes for research
 - (d) Patents
 - (e) Awards and Honors
 - (f) Continuing Education Activities
 - (h) Any other important activity not specified above



Dr. Rahul Kala

1. Name, Department & Designation:

Dr. Rahul Kala, Information Technology, Asst Professor



2. Teaching/Research/Industry Experience:

Teaching/Research: 3 years **Industry** **Total:** 3 years

3. New courses developed

Title, course number : NIL in the period

4. 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.	R. Kala	On-Road Intelligent Vehicles	Elsevier	27th April 2016, Cambridge, MA	

5. Research papers published in journals

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1.	R.Kala	Homotopic Roadmap Generation for Robot Motion Planning	Journal of Intelligent & Robotic Systems	82 (3-4)	2016	555–575
2.	R. Kala	Homotopy conscious roadmap construction by fast sampling of narrow corridors	Applied Intelligence	45(4)	2016	1089–1102
3.	Ashwin Kannan, Prashant Gupta, Rishabh Tiwari, Shubham Prasad, Apurv Khatri and Rahul Kala	Robot Motion Planning Using Adaptive Hybrid Sampling in Probabilistic Roadmaps	Electronics	5	2016	16
4.	Anil Kumar and Rahul Kala	Linear Temporal Logic-based Mission Planning	International Journal of Interactive Multimedia and Artificial Intelligence	7 (3)	2016	1989-1660
5.	Shoureya Kant, Rahul Kala, Ritu Tiwari, Anupam Shukla, Samridha Kumar	International Journal of Management and Applied Science	Lip Recognition Using Various Neural Classifiers	4(10)	2016	86-94
6.	Chandra Sekhar Pati, Rahul Kala	Technologies	Vision-Based Robot Following Using PID Control	5(2)	2017	34



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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.

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

Journal of Intelligent & Robotic Systems (Impact Factor: 1.512)

Applied Intelligence (Impact Factor 1.904)

Average: 1.708

7. 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.	R. Kala	Sampling based mission planning for multiple robots	Proceedings of the 2016 IEEE Congress on Evolutionary Computation	Vancouver, BC, Canada	2016	662-669

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

8. Seminars and invited talks presented:

- Talk on Robotics Programming, Android and Python at 2nd Spell of In-Service Course for PGT (CS) at Kendriya Vidyalaya (25th December and 27th December, 2016).
- Talk on "Mobile Robotics" at Infotsav 2016, the annual techno-management festival of IIITM Gwalior (12th November, 2016).
- Integrated Semi-Supervised and Active Learning with application to 2-D and 3-D object recognition, One Week Faculty Development Program on Computational Intelligence (Machine Based Learning), Manipal University Jaipur, 22 January 2017

9. 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)

- 2016 IEEE Congress on Evolutionary Computation, Vancouver, BC, Canada, 21 November 2016, Presenting a paper and co-chaired a session, Sampling based mission planning for multiple robots.
- Japan-East Asia Network of Exchange for Students and Youths (JENESYS) program, different places in Japan from 24th September to 4th October, 2016, casual participant sponsored by the Ministry of Foreign Affairs at Japan.



10. Work done in project undertaken in the Institute:

Mission Planning using Sampling Based Techniques

The aim of the work is to enable robots undertake complicated missions, given a set of complex instructions as a Linear Temporal Logic or a custom designed restricted language. The aim is to use evolutionary computation to execute missions of a very large size. The physical navigation of the robot is based on a fusion of deliberative and reactive planning, while executing the strategy computed by the mission planner.

Towards Socialistic Navigation of Robots and Virtual Robotic Agents: Part I 3D Tacking of People

The aim of the project is to track people so as to understand their motion. Based on the same a mobile robot may be made that imitates the walking behaviors of the human. So far tracking of the humans using a monocular camera has been performed using Histogram of Oriented Gradients as features and a Support Vector Machine as a classifier. Further, a fusion of RGB and depth images has also been tried to solve the same problem.

11. Training Programme organized: NIL

12. Other Activities

(a) **Technology Developed:** NIL

Name of the technology/product

(b) **Software Developed:** NIL

Name of the software

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

Name, Purpose, Period.

(d) **Patents:** NIL

(Title, Patent number, granting agency)

(e) **Awards and Honors**

One of the four finalists in the Professional Category at the Study UK Alumni Awards, organized by the British Council.

(f) **Continuing Education Activities:** NIL

Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)

(g) **Participation in the High Level Industry Academia Interaction Program during summer:** NIL

Name of the organization, Period

(h) **Any other important activity not specified above:** NIL



Annual Report 2016-17

Srijit Bhattacharjee



1. Name, Department & Designation:

Srijit Bhattacharjee, Assistant Professor (on contract)
Department of Applied Sciences(Physics)

2. Teaching/Research/Industry Experience:

Teaching/Research : 3 years 7 months **Industry** : 0 **Total** : 3 y 7 m

3. New courses developed :

Classical Mechanics (PhD course work) Selected topics in quantum and statistical mechanics (for PhD course work)

4. Books and book-chapters published NA

Sr No.	Author(s) Name	Title of the Book/Chapter	Publisher	Place and Year of publish	Pages (in case chapter)	

5. Research papers published in journals

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
2.	Srijit Bhattacharjee, Debaprasad Maity, Rupak Mukherjee	Constraining scalar-Gauss-Bonnet Inflation by Reheating, Unitarity and PLANCK	Physical Review D	95	2016	023514

6. Average Impact Factor of all publications and name of the major journal in which publication are made. 4.568, Physical Review D.

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

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page

8. Seminars and invited talks presented: 0

9. Conferences attended outside IIIT Allahabad : NA

10. Work done in project undertaken in the Institute : NA



11. **Training Programme organized:** NA

12. **Other Activities**

(a) **Technology Developed :** NA

Name of the technology/product

(b) **Software Developed :** NA

Name of the software

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

Name, Purpose, Period.

(d) **Patents**

(Title, Patent number, granting agency)

(e) **Awards and Honors**

(f) **Continuing Education Activities**

Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)

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

Name of the organization, Period

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

Visit at SINP, Kolkata Dec 20, 2016 - Jan 2, 2017.

Visit at IOP, Bhubaneswar (Also attended Advanced String School 2017 at Puri);

Feb 6- Feb 16 , 2017.



Annual Report 2016-17

Dr Madhvendra Misra

1. Name, Department & Designation:

Dr Madhvendra Misra, Deptt. Of Management Studies, Associate Professor

2. Teaching/Research/Industry Experience:

Teaching/Research: 17 Industry - Total:17

3. New courses developed - None

Title, course number

4. 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)	

5. Research papers published in journals

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

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.

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

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

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

8. Seminars and invited talks presented:

Title, Organization, Date

1. 'Cultural Diversity at Workplace: Current Trends in Human Resource Management'. The seminar is organised by Joseph School of Business Studies, Allahabad, November 16 and 18, 2016 .
2. FDP on "Cross Cultural Management", Organised by Rajkiya Engineering College, Deogaon, Azamgarh-276201 (UP), India, affiliated to DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY, LUCKNOW - February 13-17, 2017



9. **Conferences attended outside IIIT Allahabad** : None
Conference, Venue, Dates, Type of participations, e.g. Chairing Session, presenting invited or contributed paper, panelist in discussion, any other)
10. **Work done in project undertaken in the Institute**: None
11. **Training Programme organized**: None
12. **Other Activities**
- (a) **Technology Developed** : None
Name of the technology/product
 - (b) **Software Developed** : None
Name of the software
 - (c) **Industry visited and visits to other Institutes for research** : Name, Purpose, Period.
 - (d) **Patents** : (Title, Patent number, granting agency)
 - (e) **Awards and Honors**
Title, Awarded by
 - (f) **Continuing Education Activities**
Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)
 - (g) **Participation in the High Level Industry Academia Interaction Program during summer**
Name of the organization, Period
IIM – Bangalore, to Attend Symposium on Business Analytics, 11th and 12th June 2016
 - (h) **Any other important activity not specified above**



Annual Report 2016-17

Dr. Manish Kumar



1. Name, Department & Designation :

Dr. Manish Kumar;

Department of Information Technology, Allahabad; Assistant Professor

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

Teaching/Research : 13 years Industry : 0 Total : 13

3. **New courses developed**

Title, course number: 1. Advanced data analytics IADA-730E;

4. **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.	Manish Kumar (Book)	Applied Big Data Analytics in Operations Management" (SCOPUS indexed)	IGI Global publications	USA, September 2016	251	
2.	Manish Kumar et al. (Chapter)	"Optimizing Software Error Proneness Prediction Using Bird-Mating Algorithm"	Springer	USA, 2016	257-287	
3.	Manish Kumar et al. (Chapter)	"Predictive Analytics in Operations Management"	IGI Global publications	USA, 2016	251-272	
4.	Manish Kumar et al. (Chapter)	"Collaborative Filtering Based Data Mining for Large Data"	IGI Global publications	USA, 2016	115-127	

5. **Research papers published in journals**

Sr. No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1.	Vishal K Singh, Vivek k Singh, Manish Kumar	"In-Network Data Processing Based on Compressed Sensing in WSN: A Survey,"	Wireless Personal Communication (SCI)	96	2017	2087-2124
2.	Vishal k Singh, Manish Kumar	"In-network Data Processing in Wireless Sensor Networks Using Compressed Sensing,"	International Journal of Sensor Networks (SCI)		2016	



Sr. No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
3.	Vishal k Singh, Gajendra Sharma, Manish Kumar	"Compressed sensing based acoustic event detection in protected area networks with wireless multimedia sensors,"	Multimedia Tools and Applications (SCI)	76	2016	18531–18555
4.	Vishal k Singh, Manish Kumar	"Energy Efficient Event Detection Using Probabilistic Inference in Wireless Sensor Networks,"	IETE Journal of Research (SCI)		2017	
5.	Vishal K Singh, Manish Kumar	"Hierarchical compressed sensing for cluster based wireless sensor networks,"	International Journal of Advanced Computer Science and Applications (IJACSA)(SCOPUS)	7	2016	58-67

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.

6. Average Impact Factor of all publications and name of the major journal in which publication are made. Avg IF- 01

7. 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.	Gajendra Sharma, Manish Kumar	"Monitoring deforestation using acoustic signals, "	International conference on Bioinformatics and Systems Biology (BSB),		2016	1-4
2.	Vishal k Singh, Saurabh Verma, Manish Kumar	"Privacy Preserving In-network Aggregation in Wireless Sensor Networks, "	11th International Conference on Future Networks and Communications (FNC-2016),		2016	

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.



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8. Seminars and invited talks presented:

Title, Organization, Date

9. 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)

10. Work done in project undertaken in the Institute:

11. Training Programme organized:

12. Other Activities

(a) Technology Developed :

Name of the technology/product

(b) Software Developed :

Name of the software

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

Name, Purpose, Period.

(d) Patents

(Title, Patent number, granting agency)

(e) Awards and Honors

Title, Awarded by

(f) Continuing Education Activities

Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)

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

Name of the organization, Period

(h) Any other important activity not specified above



Ratan Kumar Saha



1. Name, Department & Designation:

Ratan Kumar Saha,
Applied Sciences, Assistant Professor

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

Teaching: **2 years 8 months**, Research: **7 years 8 months**, Industry: 0, Total: **10 years**

3. New courses developed **Nil**

Title, course number

4. **Books and book-chapters published Nil**

Sr No.	Author(s) Name	Title of the Book/Chapter	Publisher	Place and Year of publish	Pages (in case chapter)	

5. **Research papers published in journals**

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1.	Romain de Monchy, Francois Destrepes, Ratan K Saha, Guy Cloutier and <u>Emilie Franceschini</u>	Coherent and incoherent ultrasound backscatter from cell aggregates	The Journal of the Acoustical Society of America	140(3)	2016	2173-2184
2.	<u>Ratan K Saha</u> , Subhajit Karmakar, Arunava Adhikari and Michael C Kolios	Photoacoustic field calculation for nonspherical axisymmetric fluid particles	Biomedical Physics and Engineering Express	3, 015017,	2017	1-13

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.

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

0.786



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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.	Romain de Monchy, Francois Destrempes, Ratan K Saha , Guy Cloutier and Emilie Franceschini	Coherent and incoherent ultrasound backscatter from cells in aggregated conformation	IEEE International Ultrasonics Symposium	DOI: 10.1109/ULTSYM.2016.7728605	2016	
2.	Ratan K Saha , Muhannad N. Fadhel, Aamna Lawrence, Subhajit Karmakar, Arunava Adhikari and Michael C Kolios	Rapid computation of photoacoustic fields from normal and pathological red blood cells using a Green's function method	SPIE BIOS	10064 DOI: 10.1117/12.2253555	2017	100644U-1-8

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

8. Seminars and invited talks presented:

Title, Organization, Date

- Significance of shape in single-particle photoacoustic emission*, Indigo (India-EU) Policy Lab Linking Program Workshop on Optical and Ultrasound Imaging, IISc Bangalore, Bangalore, Sept. 22-23, 2016. (invited talk)
- Green's function approach for computation of photoacoustic fields from different nonspherical axisymmetric particles*, 21st National Symposium on Ultrasonics, SN Bose National Centre for Basic Sciences, Kolkata, India, Nov. 8-10, 2016. (invited talk)

9. 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)

- Photons Plus Ultrasound: Imaging and Sensing 2017, SPIE BIOS, San Francisco, USA, Jan. 28 - Feb. 2, 2017. (presenting contributed paper)

10. Work done in project undertaken in the Institute: Nil

11. Training Programme organized: Nil

12. Other Activities

- Technology Developed** Nil
Name of the technology/product



- (b) **Software Developed** Nil
Name of the software Nil
- (c) **Industry visited and visits to other Institutes for research**
Name, Purpose, Period. IISc, to attend a conference, Sept. 22-23, 2016; SNBNCBS, to attend a conference, Nov. 8-10, 2016.
- (d) **Patents** Nil
(Title, Patent number, granting agency)
- (e) **Awards and Honors** Nil
Title, Awarded by
- (f) **Continuing Education Activities** Nil
Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)
- (g) **Participation in the High Level Industry Academia Interaction Program during summer**
Name of the organization, Period Nil
- (h) **Any other important activity not specified above**



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Dr. Ashutosh Mishra



1. Name, Department & Designation:

Dr. Ashutosh Mishra,
Biomedical Engineering (Applied Science)

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

Teaching/Research:10 Industry 02 Total:12

3. **New courses developed**

Title, course number

4. **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)	

5. **Research papers published in journals**

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1	Suman, Shikha, Ashutosh Mishra, and Anurag Kulshrestha.	A systems approach for the elucidation of crucial genes and network constituents of cervical intraepithelial neoplasia 1 (CIN1)	Molecular BioSystems	13.3	2017	549-555
2	Shikha Suman and Ashutosh Mishra	Network study discloses Aurora Kinase dysregulated common module among five female specific cancer types	Oncology Letters	Accepted	2016	In press
3	Shikha Suman, Gyan Prakash Tiwari, Ashutosh	In-silico based prediction of deleterious non-	Int. Journal. of adv. res.	2016	4(8)	1360-1366



	Mishra, Anurag Kulshrestha	and synonymous single nucleotide polymorphisms in the human cdk1 gene				
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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.

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

7. **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	Shikha Suman , Ashutosh Mishra and Anurag Kulshrestha	Integrated analysis of microRNA regulation of genes in HSIL	IEEE Conference on Computational Intelligence in Bioinformatics and Computational Biology (CIBCB), Chiang Mai, Thailand		2016	1-6

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

8. Seminars and invited talks presented:
Title, Organization, Date

9. **Conferences attended outside IIT Allahabad**

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

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

11. **Training Programme organized:**

12. **Other Activities**

(a) **Technology Developed**
Name of the technology/product

(b) **Software Developed**



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Name of the software

- (c) ***Industry visited and visits to other Institutes for research***
Name, Purpose, Period.
- (d) ***Patents***
(Title, Patent number, granting agency)
- (e) ***Awards and Honors***
Title, Awarded by
- (f) ***Continuing Education Activities***
Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)
- (g) ***Participation in the High Level Industry Academia Interaction Program during summer***
UC Berkeley, CA, ODU – Norfolk, Va, (Summer 2017)
- (h) ***Any other important activity not specified above***



Sintu Kumar Samanta



1. Name, Department & Designation:

SINTU KUMAR SAMANTA,

Dept of Applied Sciences, Assistant Professor

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

Teaching/Research: 04 years Industry: NA Total: 04 years

3. **New courses developed (Title, course number): Engineering Biology (SENB630E)**

4. **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)	
NA						

5. **Research papers published in journals**

Sr. No.	Author(s) Name	Title of the Article	Journal	Year, Vol., Page
1	Roy AS, Tripathy DR, Samanta SK , Ghosh SK and <u>Dasgupta S</u>	DNA damaging, cell cytotoxicity and serum albumin binding efficacy of the rutin–Cu(II) complex.	Mol. BioSyst.	Year:2016 12, 1687-1701
2	Roy AS, Samanta SK , Tripathy DR, Ghosh SK and <u>Dasgupta S</u>	Cell cytotoxicity and serum albumin binding capacity of the morin-Cu(II) complex and its effect on deoxyribonucleic acid.	Mol. BioSyst	Year:2016 12, 2818-2833
3	Samanta SK , Singh A, Biswas P, Bhatt A and <u>Visweswariah SS</u>	Mycobacterial phenolic glycolipid synthesis is regulated by cAMP-dependent lysine acylation of FadD22.	Microbiology	Year:2017 163:373-382

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

Average Impact Factor: 3.354, Journal of Biomedical nanotechnology (Impact factor: 7.578), Journal of Biological Chemistry (Impact factor: 4.573)



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

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page
NA						

8. Seminars and invited talks presented: NA

9. Conferences attended outside IIIT Allahabad: NA

10. Work done in project undertaken in the Institute: NA

11. Training Programme organized: NA

12. Other Activities

(a) **Technology Developed:** NA

(b) **Software Developed:** NA

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

I visited the Dept. of Biotechnology of Motilal Nehru National Institute of Technology Allahabad (MNNIT Allahabad) to initiate collaborative research works.

(d) **Patents:** NA

(e) **Awards and Honors:** NA

(f) **Continuing Education Activities:** NA

(g) **Participation in the High Level Industry Academia Interaction Program during summer:** NA

(h) **Any other important activity not specified above:** NA



Dr. V. K. Chaurasiya



1. **Name, Department & Designation: Dr. V. K. Chaurasiya**
2. **Teaching/Research/Industry Experience: 9 Years and 8 Months**
Teaching/Research: 9 Years and 8 Months
Industry 0 Total: 9 Years and 8 Months

3. **New courses developed: 1**
Title: Wireless Networks

Course number: IWNT630E

4. **Books and book-chapters published: Nil**

Sr No.	Author(s) Name	Title of the Book/Chapter	Publisher	Place and Year of publish	Pages (in case chapter)	

5. **Research papers published in journals:**

1. Chaurasiya, V.K. and Saxena, A.K., 2017. Multi-resolution texture analysis for fingerprint based age-group estimation. Multimedia Tools and Applications, pp.1-27.
2. Average Impact Factor of all publications and name of the major journal in which publication are made. Springer Multimedia Tools and Applications. IF: 1.530

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

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

7. **Seminars and invited talks presented: Nil**
Title, Organization, Date

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

9. **Work done in project undertaken in the Institute: Hindi to English Machine aided Translation.**

10. **Training Programme organized:**



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11. Other Activities

(a) ***Technology Developed***

Name of the technology/product

(b) ***Software Developed***

Name of the software

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

IIT Kanpur

(d) ***Patents***

(Title, Patent number, granting agency)

(e) ***Awards and Honors***

Title, Awarded by

(f) ***Continuing Education Activities***

Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)

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

Name of the organization, Period

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



Dr. Prasanna Kuamr Misra



1. Name, Department & Designation:

Dr. Prasanna Kumar Misra

Assistant Professor (On Contract)

Electronics and Communication Engineering

2. Teaching/Research/Industry Experience:

Teaching/Research: 3 Years, Industry: NIL Total: 3 Years

3. **New courses developed:**

Low Power System Design (ELPD730E)

4. **Books and book-chapters published:**

NIL

5. **Research papers published in journals**

NIL

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

1. Rajan Kumar, Sonu Singh Yadav, Ankit Kumar Sihara, Divyesh Sachan and Prasanna Kumar Misra, "Design of Active Inductor at 2.4 GHz frequency using 180 nm CMOS Technology", Accepted in UPCON 2017.
2. Divyesh Sachan, Manish Goswami and Prasanna Kumar Misra, "Analysis of Modulation Schemes for Bluetooth-LE Module for Internet-of-Things (IoT) Applications," Accepted in ICCE 2018.

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

NIL

8. **Conferences attended outside IIIT Allahabad**

NIL

9. **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)"

10. **Training Programme organized: Workshop on Advanced Research in Microelectronics (WARM 2017)**

10. **Other Activities**

(a) **Technology Developed**

NIL



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(b) Software Developed

NIL

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

Visited NIT Kurukshetra for MTech thesis Evaluation

(d) Patents

NIL

(e) Awards and Honors

NIL

(f) Continuing Education Activities

NIL

(h) 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.

(i) Any other important activity not specified above



1. Name, Department & Designation:

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



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

Teaching/Research: 5/10 Year **Industry** **Total:** 10 Year

3. **New courses developed**

- (i) Spintronic and Magnetic Materials (SSPM031E)
- (ii) Nanotechnology (SNTC031E)
- (iii) Solid State Physics (SSSP031E)
- (iv) Electrodynamics

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

Sr No.	Author(s) Name	Title of the Book	Publisher	Place and Year of publish	Pages (in case chapter)	
1	Rachana Kumar and Pramod Kumar	Preparation of Graphene Oxide from Tattered Graphite and Applications	LAP LAMBERT Academic Publishing GmbH & Co., Germany	2016		ISBN 978-3-330-00286-9

5. **Research papers published in journals**

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page	I.F
1	Fullerene grafted graphene oxide with effective charge transfer interactions	<u>Rachana Kumar</u> , <u>Samya Naqvi</u> , <u>Neha Gupta</u> , <u>Neelam Kumari</u> , <u>Mukesh Jewariya</u> , <u>Pramod Kumar</u> , and <u>Suresh Chand</u>	Carbon	107	2016	765-773	6
2	Transient reflection spectra in topological nanocrystals of Bi ₂ Se ₃ , Bi ₂ Te ₃ and Bi ₂ Te ₂ Se	Faizan Ahmad, Rashmi Singh, Rachna Kumar, Mukesh Jewariya, Chandra Shekhar, Naresh Kumar, <u>Pramod Kumar</u>	Adv. Mat. Letters.	8	2016	423-427	1.5



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3	Heat capacity, magnetic properties of pseudo-two-dimensional; $M_2Fe_2O(AsO_4)_2$ [M=K, CsK and Rb] compounds	<u>Pramod Kumar</u> , Rashmi Singh, L. D. Sanjeeewa, Rachana Kumar,	Adv. Mat. Letters.	7(12)	2016	964-970	1.5
4	Synthesis and ultrafast spectroscopic study of new [6,6] methanofullerenes, Kumar	<u>Samya Naqvi</u> , <u>Neha Gupta</u> , <u>Neelam Kumari</u> , <u>Mukesh Jewariya</u> , <u>Pramod Kumar</u> , <u>Rachana Kumar</u> and <u>Suresh Chand</u>	RSC Adv.	6	2016	24889-24897	3.34
5	Unusual magnetism in TbRu ₂ Ge ₂ compound	Rashmi Singh , Puneet Jain , Rachana Kumar , <u>Pramod Kumar</u>	Adv. Mat. Letters.	7(10),	2016	813-816	1.5
6	Correlation between magnetocaloric effect and hall effect in Sr ₄ Ru ₃ O ₁₀	<u>Pramod Kumar</u> , Naresh Kumar and Rachana Kumar	Material Research Express	4	2017	026104.	1.2

6. **Average Impact Factor of all publications and name of the major journal in which publication are made. Details are given in table**

7. **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	Comparative study of Co ₂ MnSi structural and surface morphological thin films	Rashmi Singh, Puneet Jain, Naresh Kumar, Rachana Kumar, Pramod Kumar	Adv. Mat. Pro..	2(2)	2017	76-79
2	Anomalous magnetoresistance in topological insulator Bi ₂ Te ₃	Pramod Kumar, Faizan Ahmad, Rashmi Singh, Rachana Kumar,	Adv. Mat. Pro..	1	2016	21

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

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



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

9. Conferences attended outside IIT 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

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

10. Work done in project undertaken in the Institute:

11. Training Programme organized:

12. Other Activities

(a) *Technology Developed*

Name of the technology/product

(b) *Software Developed*

Name of the software

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

Name, Purpose, Period.

(d) *Patents*

(Title, Patent number, granting agency)

(e) *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



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(f) Continuing Education Activities

Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)

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

Name of the organization, Period

(k) Any other important activity not specified above



Dr. Pragya Singh



1. Name, Department & Designation:

Dr. Pragya Singh,
Assistant Professor, Department of Management Studies

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

Teaching/Research: 11 years **Industry** **Total:** 11 years

3. **New courses developed**

Title, course number

4. **Books and book-chapters published: 1 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.	DR. PRAGYA SINGH	(EDITED BOOK) ON CONTEMPORARY ISSUES IN ACCOUNTING AND FINANCE ; CHAPTER – “EFFECTIVE CSR PRACTICES OF TOP INDIAN IT COMPANIES”	DOMINANT PUBLISHERS), ISBN: 978-93-84207-19-9	FACULTY OF COMMERCE, BHU.	P 111-119	MAY 2016

5. **Research papers published in journals**

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
	DR. PRAGYA SINGH, SUPRIYA MISHRA, APURVA MISHRA	URBAN MOBILITY AND TRANSPORTATION CHALLENGES IN ALLAHABAD	ADVANCES IN ECONOMICS AND BUSINESS MANAGEMENT (AEBM) P-ISSN: 2394-1545; E-ISSN: 2394-1553	VOLUME 3, ISSUE 5; APRIL-JUNE, 2016	2016	P. 546-550

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

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



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Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

8. Seminars and invited talks presented:

- INVITED TALK ON “LEADERSHIP AND CROSS CULTURAL TEAMS” AT GOVERNMENT (RAJKIYA) ENGINEERING COLLEGE, AZAMGARH ON 17.02.2017.

9. Conferences attended outside IIIT Allahabad

- PAPER PRESENTED AT IIT- DELHI ON 16TH & 17TH APRIL 2016 ON “DIGITAL BRANDING OF PANTALOONS” (RESEARCH TRACK) & “EMERGENCE OF DIGITAL MARKETING STRATEGIES IN TELECOMMUNICATIONS: A CASE STUDY OF BSNL IN THE CITY OF ALLAHABAD” (CASE STUDY TRACK); ABSTRACT PUBLISHED IN EMERALD PROCEEDINGS.
- PARTICIPANT IN GIAN COURSE ON SOCIAL NETWORK ANALYSIS & THEORY HOSTED BY IIT HYDERABAD IN DECEMBER (17TH TO 23RD), 2016.

10. Work done in project undertaken in the Institute:

11. Training Programme organized:

12. Other Activities

(a) *Technology Developed*

Name of the technology/product

(b) *Software Developed*

Name of the software

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

Name, Purpose, Period.

(d) *Patents*

(Title, Patent number, granting agency)

(e) *Awards and Honors*

Title, Awarded by

(f) *Continuing Education Activities*

Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)

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

Name of the organization, Period

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



Dr. Shashi Kant Rai



1. Name, Department & Designation:

Dr. Shashi Kant Rai

Department: Management Studies

Designation: Assistant Professor

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

Teaching/Research: 07 years **Industry** **Total:** 07 years

3. **New courses developed** NA

Title, course number NA

4. **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)	
NA	NA	NA	NA	NA	NA	NA

5. **Research papers published in journals**

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

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

NA

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.

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

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

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page
NA	NA	NA	NA	NA	NA	NA

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.



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8. **Seminars and invited talks presented:**
Title, Organization, Date **NA**
9. **Conferences attended outside IIIT Allahabad NA**
Conference, Venue, Dates, Type of participations, e.g. Chairing Session, presenting invited or contributed paper, panelist in discussion, any other)
10. **Work done in project undertaken in the Institute: NA**
11. **Training Programme organized:**
12. **Other Activities**
- (a) **Technology Developed NA**
Name of the technology/product
- (b) **Software Developed NA**
Name of the software
- (c) *Industry visited and visits to other Institutes for research*
Name, Purpose, Period. **NA**
- (d) **Patents**
(Title, Patent number, granting agency) **NA**
- (e) **Awards and Honors NA**
Title, Awarded by
- (f) **Continuing Education Activities NA**
Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)
- (g) **Participation in the High Level Industry Academia Interaction Program during summer NA**
Name of the organization, Period
- (h) **Any other important activity not specified above NA**



Dr. Saurabh Mishra



1. Name, Department & Designation:

Dr. Saurabh Mishra

Department: Management Studies

Designation: Assistant Professor

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

Teaching/Research: 7 years **Industry :** 4 years **Total:** 11years

3. **New courses developed** **NA**

Title, course number **NA**

4. **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)	
NA	NA	NA	NA	NA	NA	NA

5. **Research papers published in journals**

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

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.

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

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

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page
NA	NA	NA	NA	NA	NA	NA

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.



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8. Seminars and invited talks presented:

Title, Organization, Date

9. 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)

10. Work done in project undertaken in the Institute:

11. Training Programme organized:

12. Other Activities

(a) Technology Developed

Name of the technology/product

NA

(b) Software Developed

Name of the software

NA

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

Name, Purpose, Period.

NA

(d) Patents

(Title, Patent number, granting agency)

NA

(e) Awards and Honors

Title, Awarded by

NA

(f) Continuing Education Activities

Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)

NA

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

Name of the organization, Period

NA

(h) Any other important activity not specified above

Attended One Week Short Term Course on Social Issues and Technology, **MNNIT**, Allahabad from 20th October 2016 to 26th October 2016.



1. Name, Department & Designation:

Triloki Pant,

Deptt. of Information Technology, Assistant Professor

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

Teaching/Research: 8 Years

Industry: NA

Total: 8 Years

3. **New courses developed**

Title, course number **NA**

4. **Books and book-chapters published** **NA**

Sr No.	Author(s) Name	Title of the Book/Chapter	Publisher	Place and Year of publish	Pages (in case chapter)	

5. **Research papers published in journals** **NA**

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

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.

6. **Average Impact Factor of all publications and name of the major journal in which publication are made: 1.55**

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

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

8. **Seminars and invited talks presented: NA**

Title, Organization, Date

9. **Conferences attended outside IIIT Allahabad NA**



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

10. **Work done in project undertaken in the Institute:** NA
11. **Training Programme organized:** NA
12. **Other Activities**
- (a) **Technology Developed**
Name of the technology/product NA
- (b) **Software Developed**
Name of the software NA
- (c) **Industry visited and visits to other Institutes for research**
Name, Purpose, Period NA
- (d) **Patents**
(Title, Patent number, granting agency) NA
- (e) **Awards and Honors**
Title, Awarded by NA
- (f) **Continuing Education Activities**
Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry) NA
- (g) **Participation in the High Level Industry Academia Interaction Program during summer**
Name of the organization, Period NA
- (h) **Any other important activity not specified above** NO



Dr. Vrijendra Singh



1. Name, Department & Designation:

Dr. Vrijendra Singh,

Associate Professor and Head, Dept. of IT

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

Teaching/Research: 15.5 Years

Total: 15.5 Years

3. **New courses developed** NIL

Title, course number

4. **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)	

5. **Research papers published in journals**

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1.	Pawan Sharma, Rashmi Tripathi, Vrijendra Singh, RC Tripathi,	"Assessing the ICT innovative position of India based on patent data and research publications",	Queen Mary Journal of Intellectual Property	6(4),	2016	514- 533,
2.	Arti Gupta, Vrijendra Singh	"Employer branding- a strategic tool to employee retention: A study on IT industry in India",	Viewpoint.	Vol. 7, Issue 2,	2016	15-20

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



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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.

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

7. **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.	Arti Gupta &Vrijendra Singh (2016)	Will employee stay? A model to check Employee's intention to stay"	International Conference on Computers Management (ICCM 2016), Rajasthan Technical University, Kota.		2016	
2.	Arti Gupta &Vrijendra Singh (2016)	"Employer Branding a strategic tool to employee Retention: A study on IT Industry in India"	Conference on Brand Management, IIT Delhi		2016	

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

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

Title, Organization, Date

9. **Conferences attended outside IIIT Allahabad**

- IEEE- SPS Winter School on Security and Privacy Issues in Biometrics, Center for Cyber Security at New York University, Abu Dhabi, Jan. 7 – 12, 2017.
- Winter School on Optimization and Operations Research, Transport and Mobility Laboratory, EPFL, Switzerland, Jan. 15 – 20, 2017. Successfully completed 1 credit course during the School.

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



10. **Work done in project undertaken in the Institute: NIL**

11. **Training Programme organized: NIL**

12. **Other Activities**

(a) Technology Developed

Name of the technology/product

(b) Software Developed

Third Eye App: The App 'Third Eye', brings visually challenged people closer to technology, and technology closer to perfection. As of now, there is no well-known method for visually challenged to operate mobile phones. Through this app, this 'neglected by technology' society will be able to use most of the services of their mobile phones like call, messaging, internet browsing. This is basically for Hindi speaking people.

Musafir: This app is for all the people who want to travel to a new city. The app provides them with everything from choosing the correct destination to making all the bookings and to easily organizing the trip. The platform basically uses a mash-up technology. App include solutions for every possible problem the traveller might face during the course of his entire journey.

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

A. IEEE- SPS Winter School on Security and Privacy Issues in Biometrics, Center for Cyber Security at New York University, Abu Dhabi, Jan. 7 – 12, 2017.

B. Winter School on Optimization and Operations Research, Transport and Mobility Laboratory, EPFL, Switzerland, Jan. 15 – 20, 2017. Successfully completed 1 credit course during the School

C. Network Power Solution Enterprise, New Delhi as Advisor

(d) Patents

(Title, Patent number, granting agency)

(e) Awards and Honors

Title, Awarded by

(f) Continuing Education Activities

Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)

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

Name of the organization, Period

(h) Any other important activity not specified above



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Dr. Amit Prabhakar



1. Name, Department & Designation:

Dr. Amit Prabhakar

Department: Applied Sciences Designation: Assistant Professor

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

Teaching/Research: 5 Industry: 1 Total: 6 Years

3. **New courses developed:**

- Microfluidics: Physics and Application,
- Biomedical Microsystems,
- Cellular and Tissue Biomechanics,
- Biosensors and Transducers,
- Biosensors and Actuators,
- Bio-instrumentation,
- Anatomy and Physiology,
- Applied Mechanics

4. **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)	

6. **Research papers published in journals:**

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1	A. Prabhakar, Y. V. B. V. Kumar, S. Tripathi, <u>A. Agrawal</u>	A novel, compact and efficient microchannel arrangement with multiple hydrodynamic effects for blood plasma separation	<i>Microfluidics and Nanofluidics</i>	18 (5),	2015	995–1006
2	S. Tripathi, Kumar Y. V. B. V., A. Prabhakar,	Performance study of microfluidic device for blood plasma separation - A designers perspective	<i>J. Micromech. Microeng.,</i>	25 (8)	2015	084004 (15pp)



	Joshi S., and Agrawal A.,					
3	S. Tripathi, Kumar Y. V. B. V., A. Prabhakar, Joshi S., and Agrawal A.,	Passive blood plasma separation at micro-scale: A review of design principles and microdevices,	<i>J. Micromech. Microeng.</i>	25 (8)	2015	083001 (24pp),
4	S. Tripathi, Y. V. B. V. Kumar, A. Prabhakar, S. Joshi, and A. Agrawal,	Microdevice for plasma separation from whole human blood using bio-physical and geometrical effects,	<i>Scientific Reports (Nature)</i>	(doi:10.1038/srep26749)	2017	
5	A. Prabhakar, N. Mishra and S. Mukherji,	A Comprehensive Investigation of A Microfabricated U-Bend Polymer Waveguide with Analyte Micro-Reservoir for Versatile On-Chip Sensing Applications	<i>J. Micromech. Microeng.</i>	Vol. 26, No. 4,	2017	pp. 935 - 945,
6	A. Prabhakar, N. Mishra and S. Mukherji,	Embedded Dual Bend - Serpentine / Spiral Waveguides for an Efficient Evanescent Wave Absorption Based On-Chip Bio/Chemical Sensing Applications	<i>J. Micromech. Microeng.</i>	accepted	2017	

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

Average Impact Factor: 3.0,

Major journals:

- *Scientific Reports (Nature)*,
- *Microfluidics and Nanofluidics*,
- *J. Micromech. Microeng*

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

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page



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Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

8. Seminars and invited talks presented:

- Delivered a lecture on the topic of “**Real Life Application of Most Recent Realm of Bio-MEMS Technology**” in a short term course on “Recent Advances in Biofilms and Environmental biotechnology” organized by Department of Biotechnology, MNNIT Allahabad during September 21 –27, 2017

9. 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)

10. Work done in project undertaken in the Institute: Details of Projects under various funding agencies:

S. No	Title	Cost in Lakh	Month of submission	Role as PI/Co-PI	Agency
1	Gold Nanoparticle Coated/ Embedded, Colour-Barcoded Magnetic Microparticles for Lab on chip Localized Surface Plasmon Based Label Free Multiplexed Bioassays	48.4	Jan 2015	PI	Department of Science and Technology, New Delhi, India
2	A Novel Water Purification System with Silver Nanoparticle Coated Micro-Channel Arrangement for Filter Less Purification of Water and Embedded Waveguide for Purity Indicator	25.00	June 2015	PI	Department of Science and Technology, New Delhi, India

11. Training Programme organized:

12. Other Activities

(a) Technology Developed

Name of the technology/product

(b) Software Developed

Name of the software

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

Name, Purpose, Period.

(d) Patents

(Title, Patent number, granting agency)



Patents List (Filed)

Sl. No.	Name of Patent	Registration No.	Date of Award/ Application	Awarding Country	Awardee
1.	A cost effective and disposable micropump for lab on chip applications.	Application No: 3411/MUM/2014	2015	Indian	Amit Prabhakar, Prof. Amit Agrawal, B.S. Bharat.
2.	SU-8 Optical Waveguide Based Chip-Scale Temperature and Humidity Sensor	Draft under Preparation	2015	Indian	Amit Prabhakar, Neha Mishra, Vibhor Gupta

(e) **Awards and Honors**

- Shortlisted and Invited for the *IYBA-2015 Award presentation* to present the research proposal on “A Cost Effective Microfluidic Chip With Silver Nanoparticle Coated Polymer Waveguide, for Selective and Enduring Detection of Several Waterborne Pathogens”, which was scheduled at *DBT, New Delhi (on 21st March 2016)*.
- Shortlisted and Invited for the *IYBA-2016 Award presentation* to present the research proposal on “Lab on Chip Device, Consisting of Micro-Lens Shaped Micropillars Array Integrated with Microfluidic Blood Plasma Separation Unit, for Quantum Dots Based Detection of Cancer Biomarkers”, which was scheduled at *Rajiv Gandhi Centre for Biotechnology (RGCB), Trivandrum (on Monday, March 20, 2017)*.

(f) **Continuing Education Activities**

Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)

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

Name of the organization, Period

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



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Rekha Verma



1. Name, Department & Designation:

Rekha Verma

Department of ECE, Assistant Professor

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

Teaching: 09 yrs

Research: 07 yrs

Industry: 10 months

Total: 16yrs & 10 months

3. **New courses developed:**

Fundamentals of Nanoscale Devices

4. **Books and book-chapters published:**

None

5. **Research papers published in journals:**

None

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

None

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

1. ***"Graphene based in-chip thermoelectric generator for Nanoscaled devices"***, at the 9th Indo-German Frontiers of Engineering Symposium 2017 March 9-12, 2017, Jaipur, India, co-organized by the Department of Science and Technology (DST)-India and the Alexander von Humboldt Foundation, Germany

8. **Conferences attended outside IIT Allahabad:**

None

9. **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: 2015-2018), Grant sanctioned: INR, 23 Lacs (appx). Status: Ongoing

10. **Training Programme organized:**

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

11. **Other Activities**

(a) ***Technology Developed***

None



(b) Software Developed

None

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

1. Indian Institute of Technology Kanpur
2. Indian Institute of Technology Gandhinagar

(d) Patents

None

(e) Awards and Honors

Invited to present my research work at the 9th Indo-German Frontiers of Engineering Symposium 2017 March 9-12, 2017, Jaipur, India, co-organized by the Department of Science and Technology (DST)-India and the Alexander von Humboldt Foundation, Germany.

(f) Continuing Education Activities

None

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

None

(h) Any other important activity not specified above

None



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Pritish Kumar Varadwaj

1 Name, Department & Designation:

Pritish Kumar Varadwaj,
Associate Professor, Applied Sciences

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

Teaching/Research: 13 years 3 months **Industry:** 0 **Total:** 13 years 3 months

3. **New courses developed**

Sr No.	Title	Course number
1	Systems Biology	SSB332
2	Next Generation Sequencing Algorithm	SNGS231E

4. **Research papers published in journals**

Sr No.	Author(s) Name	Title of the Book/Chapter	Publisher	Place and Year of publish	Pages (in case chapter)	
1	U Raj, AK Sharma, I Aier, PK Varadwaj	In silico characterization of hypothetical proteins obtained from Mycobacterium tuberculosis H37Rv	Network Modeling Analysis in Health Informatics and Bioinformatics 6 (1), 5	2017		
2	U Raj, H Kumar, PK Varadwaj	Molecular docking and dynamics simulation study of flavonoids as BET bromodomain inhibitors	Journal of Biomolecular Structure and Dynamics 35 (11), 2351-2362 7	2017		
3	G Yadav, R Rao, U Raj, PK Varadwaj	Computational modeling and analysis of prominent T-cell epitopes for assisting in designing vaccine of ZIKA virus	Journal of Applied Pharmaceutical Science Vol. 7 (08) 116-122	2017		



4	A Chaudhary, BS Yadav, S Singh, PK Maurya, A Mishra, S Srivastva, ...	Docking-based screening of Ficus religiosa phytochemicals as inhibitors of human histamine H2 receptor	Pharmacognosy Magazine 13 (51), 706	2017		
5	S Gupta, BS Yadav, U Raj, S Freilich, PK Varadwaj	Transcriptomic analysis of soil grown T. aestivum cv. root to reveal the changes in expression of genes in response to multiple nutrients deficiency	Frontiers in plant science 8, 1025	2017		
6	R Tripathi, P Chakraborty, PK Varadwaj	Unraveling long non-coding RNAs through analysis of high-throughput RNA-sequencing data	Non-coding RNA Research 2 (2), 111-118	2017		
7	U Raj, S Pathak, I Aier, S Gupta, PK Varadwaj	IN SILICO FINDING OF THE PUTATIVE DRUG TARGETS FROM HYPOTHETICAL SET OF PROTEINS FOR MYCOBACTERIUM LEPRAE TN	International Journal of Pharmaceutical Sciences and Research 8 (5), 2100	2017		
8	S Gupta, M Kumari, H Kumar, PK Varadwaj	Genome-wide analysis of miRNAs and Tasi-RNAs in Zea mays in response to phosphate deficiency	Functional & integrative genomics 17 (2-3), 335-351 5	2017		
9	U Raj, I Aier, R Semwal, PK Varadwaj	Identification of novel dysregulated key genes in Breast cancer through high	Scientific Reports 7	2017		



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		throughput ChIP-Seq data analysis				
10	U Raj, PK Varadwaj	Epigenetics and Its Role in Human Cancer	Translational Bioinformatics and Its Application, 249-267	2017		
11	V Kumari, R Tripathi, S Patel, U Raj, PK Varadwaj	DUSR (Distributed Ultrafast Shape Recognition): a Hadoop Based Tool to Identify Similar Shaped Ligand Molecules	databases 11, 15	2017		
12	R Batra, G Saripalli, A Mohan, S Gupta, KS Gill, PK Varadwaj, HS Balyan, ...	Comparative analysis of AGPase genes and encoded proteins in eight monocots and three dicots with emphasis on wheat	Frontiers in plant science 8 3	2017		
13	U Raj, H Kumar, S Gupta, P Kumar Varadwaj	Identification of Novel Inhibitors for Disrupting EZH2-EED Interactions Involved in Cancer Epigenetics: An In-Silico Approach	Current Proteomics 13 (4), 313-321	2016		
14	R Tripathi, S Patel, V Kumari, P Chakraborty, PK Varadwaj	DeepLNC, a long non-coding RNA prediction tool using deep neural network	Network Modeling Analysis in Health Informatics and Bioinformatics 5 (1), 1-14 6	2016		
15	R Tripathi, A Soni, PK Varadwaj	Integrated analysis of dysregulated lncrna expression in breast cancer cell identified by rna-seq study	Non-coding RNA Research 1 (1), 35-42 2	2016		
16	H Kumar, U Raj, S Gupta,	In-silico identification of	Journal of Biomolecular	2016		



	PK Varadwaj	inhibitors against mutated BCR-ABL protein of chronic myeloid leukemia: a virtual screening and molecular dynamics simulation study	Structure and Dynamics 34 (10), 2171-2183			
17	U Raj, H Kumar, S Gupta, PK Varadwaj	Exploring dual inhibitors for STAT1 and STAT5 receptors utilizing virtual screening and dynamics simulation validation	Journal of Biomolecular Structure and Dynamics 34 (10), 2115-2129 6	2016		
18	S Mishra, A Kumar, PK Varadwaj, K Misra	Structure-Based Drug Designing and Simulation Studies for Finding Novel Inhibitors of Heat Shock Protein (HSP70) as Suppressors for Psoriasis	Interdisciplinary Sciences: Computational Life Sciences, 1-11 1	2016		
19	S Rai, U Raj, S Tichkule, H Kumar, S Mishra, N Sharma, R Buddham, ...	Recent trends in in-silico drug discovery	International Journal for Computational Biology (IJCB) 5 (1), 54-76 2	2016		
20	K Kumar Chaudhary, U Raj, P Kumar Varadwaj, N Mishra	Novel Potent Plasmepsin-I (PMI) Inhibitors: An In-Silico Approach	Current Proteomics 13 (3), 196-205 1	2016		
21	H Kumar, U Raj, S Srivastava, S Gupta, PK Varadwaj	Identification of dual natural inhibitors for chronic myeloid leukemia by virtual screening, molecular dynamics simulation and ADMET analysis	Interdisciplinary Sciences: Computational Life Sciences 8 (3), 241-252 6	2016		



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22	S Gupta, Y Singh, H Kumar, U Raj, AR Rao, PK Varadwaj	Identification of novel abiotic stress proteins in <i>Triticum aestivum</i> through functional annotation of hypothetical proteins	Interdisciplinary Sciences: Computational Life Sciences, 1-16 5	2016		
23	U Raj, PK Varadwaj	Flavonoids as Multi-Target Inhibitors for Proteins Associated with Ebola Virus: In Silico Discovery Using Virtual Screening and Molecular Docking Studies	INTERDISCIPLINARY SCIENCES-COMPUTATIONAL LIFE SCIENCES 8 (2), 142-142	2016		
24	U Raj, PK Varadwaj	Flavonoids as multi-target inhibitors for proteins associated with Ebola virus: In silico discovery using virtual screening and molecular docking studies	Interdisciplinary Sciences: Computational Life Sciences 8 (2), 132-141 19	2016		
25	H Kumar, S Tichkule, U Raj, S Gupta, S Srivastava, PK Varadwaj	Effect of STAT3 inhibitor in chronic myeloid leukemia associated signaling pathway: a mathematical modeling, simulation and systems biology study	3 Biotech 6 (1), 40	2016		
26	R Tripathi, P Sharma, P Chakraborty, PK Varadwaj	Next-generation sequencing revolution through big data analytics	Frontiers in Life Science 9 (2), 119-149 4	2016		
27	A Lawrence, R Shukla, U Raj, PK	Estimating percentage epigenetic	Bioinformatics and Systems Biology (BSB),	2016		



	Varadwaj	modifications in human genome using NGS data	International Conference on, 1-4			
28	R Tripathi, P Sharma, P Chakraborty, P Varadwaj	Count-based transcriptome analysis to identify differentially expressed genes for breast cancer	Bioinformatics and Systems Biology (BSB), International Conference on, 1-5	2016		
29	S Gupta, U Raj, H Kumar, PK Varadwaj, A Gupta	Embryo and endosperm specific comparative transcriptome analysis of triticum aestivum in response to ABA and H ₂ O ₂ stress	Bioinformatics and Systems Biology (BSB), International Conference on, 1-4	2016		
30	R Tripathi, P Sharma, P Chakraborty, P Varadwaj	In silico identification of novel virulent protein of phytophthora infestans related to late blight disease	Bioinformatics and Systems Biology (BSB), International Conference on, 1-5	2016		
31	RH Bedre, U Raj, SP Misra, PK Varadwaj	Antiviral therapy with nucleotide/nucleoside analogues in chronic hepatitis B: A meta-analysis of prospective randomized trials	Indian Journal of Gastroenterology 35 (2), 75-82	2016		
32	R Bedre, U Raj, P Varadwaj	Efficacy of Sucralfate in Reflux Disease in comparison to H	BEMS Reports. 2016; 2(1): 18-22.	2016		
33	R Bedre, U Raj, P Varadwaj	Efficacy of Sucralfate in Reflux Disease in comparison to H ₂ -Receptor Antagonist: A Meta-Analysis of Randomized Trials	Biology, Engineering, Medicine and Science Reports 2 (1)	2016		



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34	I Aier, PK Varadwaj, U Raj	Structural insights into conformational stability of both wild- type and mutant EZH2 receptor	Scientific reports 6	2016		
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5. **Average Impact Factor of all publications and name of the major journal in which publication are made.**

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

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

8. **Conferences attended outside IIIT Allahabad: NIL**

9. **Work done in project undertaken in the Institute: NIL**

10. **Training Programme organized: NIL**

11. **Other Activities**

(a) ***Technology Developed***

(b) ***Software Developed***

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

(d) ***Patents***

(e) ***Awards and Honors***

(f) ***Continuing Education Activities***

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



Abdullah Bin Abu Bakar



1. Name, Department & Designation:

Abdullah Bin Abu Baker

Ass. Prof., Department of Applied Sciences

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

Teaching/Research: 4 years **Industry:** 0 **Total:** 4 years

3. **New courses developed**

Title, course number

i) Convex Optimization (SMAT430C)

ii) Mathematical Analysis (SANL140C)

iii) Fundamentals of Discrete Mathematics (SFDM140C)

4. **Books and book-chapters published: NA**

Sr No.	Author(s) Name	Title of the Book/Chapter	Publisher	Place and Year of publish	Pages (in case chapter)	

5. **Research papers published in journals: NA**

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

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.

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

7. **Research papers published in conference proceedings (as a full paper): NA**

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page



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Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

8. **Seminars and invited talks presented: NA**

Title, Organization, Date

9. **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)

- i) TSSRK Fest, Indian Statistical Institute, Bangalore Centre, September 22-24, 2016, Paper Presentation.
- ii) Banach Spaces and Operator Theory with Applications, Adam Mickiewicz University, Poznan, Poland, 3-7 July, 2017, Paper Presentation.

10. **Work done in project undertaken in the Institute: NA**

11. **Training Programme organized: NA**

12. **Other Activities NA**

(a) ***Technology Developed***

Name of the technology/product

(b) ***Software Developed***

Name of the software

(c) ***Industry visited and visits to other Institutes for research***
Name, Purpose, Period.

(d) ***Patents***

(Title, Patent number, granting agency)

(e) ***Awards and Honors***

Title, Awarded by

(f) ***Continuing Education Activities***

Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)

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

Name of the organization, Period

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



Dr. Akhilesh Tiwari



1. Name, Department & Designation:

Dr Akhilesh Tiwari,

Assistant Professor, Department of Applied Sciences

2. Teaching/Research/Industry Experience:

Teaching/Research: 13/18 Years

Industry: 1 Year

Total: 19 Years

3. **New courses developed**

Title, course number

Numerical Methods and Computer Programming (SNMC022C)

4. **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)	

5. **Research papers published in journals**

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1.	B. Tiwari, N. Manickam, S. Kumari, A. Tiwari	Biodegradation and dissolution of polyaromatic hydrocarbons by <i>Stenotrophomonas</i> sp.,	Bioresource Technology	216	2016	1102-1105

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.

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

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

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page



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Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

8. Seminars and invited talks presented:

Title, Organization, Date

1. **Self Financed Short term course on Recent Advances in Biomass Utilization & Fermentation Technology (SFC-BUFT, 2017) organized by Motilal Nehru National Institute of Technology (MNNIT) Allahabad, India from 9-15 January 2017.**
2. **National Seminar on Nano Science and Nano Biotechnology held at Department of Physics, D.A-V. College, Kanpur, India from 25-26 February, 2017.**
3. **Conference on New Scintillations on Materials Horizon (ICNSMH-2016) organized by Department of Applied Physics, Faculty of Engineering & Technology, MJP Rohilkhand University, Bareilly, India from 21-23 October, 2016.**

9. 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)

4. **International Conference on Current Trends in Biotechnology & XIII BRSI Annual Convention (ICCTB-2016) Organized by VIT University, Vellore, Tamilnadu, India from 8-10 December, 2016.**
5. **Session Chaired in International Conference on Current Trends in Biotechnology & XIII BRSI Annual Convention (ICCTB-2016) Organized by VIT University, Vellore, Tamilnadu, India from 8-10 December, 2016.**

10. Work done in project undertaken in the Institute:

11. Training Programme organized:

- **Organized a one day workshop on “Weather Data Modeling and Simulation” for IT professionals on 5 November 2016 held at IIIT Allahabad.**

12. Other Activities

(a) *Technology Developed*

Name of the technology/product

(b) *Software Developed*

Name of the software

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

Name, Purpose, Period.



- (d) **Patents**
(Title, Patent number, granting agency)
- (e) **Awards and Honors**
Title, Awarded by
- (f) **Continuing Education Activities**
Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)
- (g) **Participation in the High Level Industry Academia Interaction Program during summer**
Name of the organization, Period
- (h) **Any other important activity not specified above**



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Dr. Nidhi Mishra



1. Name, Department & Designation:

Dr Nidhi Mishra

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

Teaching/Research: 10 yrs **Industry** **Total:** 10 Yrs _____

3. **New courses developed**

Health care SCIM231C and molecular medicine SMSP231C

4. **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.	Nishtha Singh, Sonal Upadhyay, Nidhi Mishra	Handbook of ecomaterials/ Nanocellulose	Springer	2018	Accepted	
2.	Komal Sharma, Arushi Verma, Ayushi Gupta, Nidhi Mishra	Nanoconjugate Nanocarriers for Drug Delivery/Quantum Dots for Drug Delivery	Apple Academic Press	2017/ISBN 9781351171045 April 2018	Accepted	

5. **Research papers published in journals**

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1	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	8(3)	2017	1001-1011.
2	Kamal Kumar Chaudhary, Nidhi Mishra	Investigation of the Interaction between Chalcones with CT-DNA by Molecular Docking, ADMET	<i>Proceedings of the National Academy of Sciences, India Section A: Physical Sciences,</i>		2017	



		and Fluorescence Spectroscopy”	Springer, DOI 10.1007/s40010-017-0346-9, (SCI)			
3	Puneet Kumar, Nidhi Mishra	Computational identification of inhibitors of PGES-1 in rheumatoid arthritis by virtual screening and molecular docking	Online Journal of Bioinformatics.	18(1)	2017	7-18

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.

6. **Average Impact Factor of all publications and name of the major journal in which publication are made.**
7. **Research papers published in conference proceedings (as a full paper)**

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

8. Seminars and invited talks presented:
Nidhi Mishra, “Design, synthesis and evaluation of novel chalcones as antimalarial agents”, 10th Asia-Pacific Pharma Congress, May 8-10, 2017, Singapore.
9. **Conferences attended outside IIT Allahabad**
Conference, Venue, Dates, Type of participations, e.g. Chairing Session, presenting invited or contributed paper, panelist in discussion, any other)
10. **Work done in project undertaken in the Institute:**
11. **Training Programme organized:**



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12. Other Activities

(a) Technology Developed

Name of the technology/product

(b) Software Developed

Name of the software

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

Name, Purpose, Period.

(d) Patents

(Title, Patent number, granting agency)

(e) Awards and Honors

Title, Awarded by

(f) Continuing Education Activities

Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)

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

Name of the organization, Period

(h) Any other important activity not specified above



Dr. Bibhas Ghoshal



1. Name, Department & Designation:

Dr. Bibhas Ghoshal

Department of IT
Assistant Professor

2. Teaching/Research/Industry Experience:

Teaching/Research: 3

Industry

Total: 3

3. New courses developed: 1

Title, course number: **Modeling, Design and Analysis of Embedded Systems (IEMB730E)**

4. 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	Bibhas Ghoshal	Improved Test Techniques for Network-on-Chip Based Memory Systems	LAP LAMBERT Academic Publishing	ISBN-10: 3659928976 ISBN-13: 978 3659928970 (30July2016)		

5. Research papers published in journals

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1.	Bibhas Ghoshal ; C Mandal; Indranil Sengupta	Refresh re-use based transparent test for detection of in-field permanent faults in DRAMs	Integration, The VLSI Journal, Elsevier, 2017	Volume 59	September 2017	168-178
2.	Bibhas Ghoshal ; Kanchan Manna; Sanatanu Chattopadhyay; Indranil Sengupta	In-Field Test for Permanent Faults in FIFO Buffers of NoC Routers	IEEE Transactions on Very Large Scale Integration (VLSI) Systems	vol.24, no.01	2016	393-397



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Underline the name of the author for correspondence.

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

- a. **IEEE Transactions on Very Large Scale Integration (VLSI) Systems - IF: 1.698**
- b. **Integration, The VLSI Journal, Elsevier – IF: 1.00**

7. **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.	Baishali Saha, Tanushree Anand, Anurag Sharma and <u>Bibhas Ghoshal</u>	Improved Community Interaction through Context based Citation Analysis	Fifth International Conference on Mining Intelligence and Knowledge Exploration (MIKE 2017)	In press		

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

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

9. **Conferences attended outside IIIT Allahabad**

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

- a. **Project Title :** Power Aware Compiler for Embedded Processors
Sponsor: Ministry of Human Resource and Development, Govt. of India, IMPRINT India Program (<http://imprint-india.org/>)
Role : Principal Investigator
Co-Principal Investigator : Professor Indranil Sengupta , Professor, Dept. of CSE, IIT KGP
Department : Department of Information Technology, IIIT Allahabad
Total Budget : 40.42 Lakhs ; **Tenure :** 2 years
- b. **Project Title :** Smart Street Lighting System
Sponsor: DIC SPOKE at IIIT Allahabad
Role : Co-PI
Department : Department of Information Technology, IIIT Allahabad



11. **Training Programme organized:**

12. **Other Activities**

(a) **Technology Developed**

Name of the technology/product: **Smart Street Lighting System**

(b) **Software Developed**

Name of the software

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

Name, Purpose, Period.

(d) **Patents**

(Title, Patent number, granting agency)

(e) **Awards and Honors**

Dr. Bibhas Ghoshal's proposal is one of the 259 proposals selected from 2612 project proposals received under prestigious IMPRINT Call for Proposals. The ~10% of submitted proposals were selected after the 2612 proposals were reviewed by more than 500 reviewers, in three stages, over the last six months. His submitted proposal number 7482F title Power Aware Compiler for Embedded Processors has been approved for financial support by the Apex Committee of IMPRINT in its meeting held on 28 September 2016.

(f) **Continuing Education Activities**

IoT Ideation and Hands-on Workshop conducted by **Intel India** and hosted by **IIIT Allahabad** (resource faculty : **Professor HS Jamadagni , IISc Bangalore and Dr. Bibhas Ghoshal, IIIT Allahabad with team from Intel India**)

Place : **IIIT Allahabad**

Dates : **11-12 August 2016**

Profile of participants : **B.Tech and M.Tech students of IIIT Allahabad**

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

Name of the organization, Period

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



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Sitangshu Bhattacharya



1. Name, Department & Designation:

Sitangshu Bhattacharya

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

Teaching: 03 Years **Research:** 08 Years **Industry:** 0 Years **Total:** 11 Years

3. **New courses developed** None

Title, course number None

4. **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)	
-	-	-	-	-	-	

5. **Research papers published in journals**

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

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.

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

NA

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

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page
-	-	-	-	-	-	-

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

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



Developed and conducted a short course “Quantum Transport Phenomena” at IIT Gandhinagar during June 12th 2017 to June 21st 2017.

9. **Conferences attended outside IIIT Allahabad**

None

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

Exciton effects in flexible materials: Imaginary part of the dielectric function reveals the emergence of two excitons below the energy band gap of two dimensional transitional metal di-chalcogenides (TMDC) monolayer. Introduction of vacancy red shifts the excitonic peak. The intensity of the absorbance lowers for extrinsic MoS₂ monolayer. Spin resolved energy band structure of WSe₂ reveals the occupancy of the electron concentration in top and next to top valance band.

11. **Training Programme organized:**

None

12. **Other Activities**

(a) **Technology Developed**

None

(b) **Software Developed**

None

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

IIT Gandhinagar from June 12th 2017 to June 21st 2017.

(d) **Patents**

None

(e) **Awards and Honors**

None

(f) **Continuing Education Activities**

Developed and conducted a short course “Quantum Transport Phenomena” at IIT Gandhinagar during June 12th 2017 to June 21st 2017. Participants were BTech, MTech and PhDs

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

None

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

None



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Dr. Shirshu Varma



1. Name, Department & Designation

Dr. Shirshu Varma

Department of IT, Associate Professor

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

Teaching/Research: 21 yrs

Industry:

Total: 21 yrs

3. **New courses developed**

Title, course number

4. **Books and book-chapters published** NIL

Sr No.	Author(s) Name	Title of the Book/Chapter	Publisher	Place and Year of publish	Pages (in case chapter)

5. **Research papers published in journals**

Sr No.	Author(s) Name	Title of the Article	Journal	Volume (No)	Year	page
1	Shirshu Varma et.al	A 3-D Radio Irregularity Model (3DRIM) for Wireless Sensor Network	<i>Wireless Personal Communications, Springer</i>		2017	doi:10.1007/s11277-017-4414-x
2	Shirshu Varma et.al	Localization in Wireless Sensor Networks Using Rigid Graphs: A Review	<i>Wireless Personal Communications, Springer</i>		2017	doi:10.1007/s11277-017-4397-7
3	Shirshu Varma et.al	An Algorithmic Approach to wireless Sensor Networks Localization Using Rigid Graphs	J. Sensor		2016	3986321: 1-3986321: 11-2016
4	Shirshu Varma et.al	A Range Based Localization System in Multihop Wireless Sensor Networks: A Distributed Cooperative Approach	<i>Wireless Personal Communications, Springer</i>		2016	10.1007/s11277-015-2948-3



5	Shirshu Varma et.al	Energy Efficient Data Aggregation in Mobile Agent Based Wireless Sensor Network	<i>Wireless Personal Communications, Springer</i>		2016	10.1007/s11277-016-3310-0
6	Shirshu Varma et.al	A Novel Computational Geometry Based Node Deployment Scheme in 3-D Wireless Sensor Network	International Journal of Sensor Network, Inderscience		2016	DOI:101504/IJSNET.2016.10001538
7	Shirshu Varma et.al	Challenges and implementation on cross layer design for wireless sensor networks	<i>Wireless Personal Communications, Springer</i>		2016	86.2 1037-1060

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

7. **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	Shirshu Varma et.al	Converting Local Data in Global Data using Filtering in Wireless Sensor Networks	National Conference on Signal Processing, Sustainable Energy Material and Astronomy & Astrophysics, Raipur		2017	

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

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

1. On "**Node deployment in Wireless Sensor Networks**" at NATIONAL CONFERENCE on Signal Processing, Sustainable Energy Material and Astronomy & Astrophysics, Pt Ravi Shankar University, Raipur, India, March 28-30, 2017. (Invited Talk).
2. On "**Modification in Cross Layer Approach for Recent Wireless Application**" at UGC DSA-I sponsored One Day Workshop on **Emerging Wireless Technologies**, Aligarh, India, March 04, 2017. .(Invited Talk).
3. On "**Mobile Computing: Application for Mobile and Android Application**" at One-Week Workshop on Android Application Development, ECC, Allahabad, India, January 2017. .(Invited Talk).



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9. Conferences attended outside IIIT Allahabad

1. National Conference on Signal Processing, Sustainable Energy Material and Astronomy & Astrophysics Pt Ravi Shankar University, Raipur, India, March 28-30, 2017.

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

10. Work done in project undertaken in the Institute: .

11. Training Programme organized:

12. Other Activities

(a) *Technology Developed Nil*

Name of the technology/product

(b) *Software Developed Nil*

Name of the software

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

Name, Purpose, Period.

(d) *Patents Nil*

(Title, Patent number, granting agency)

(e) *Awards and Honors Nil*

(f) *Continuing Education Activities*

Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)

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

Name of the organization, Direct I—(27th April 2017-30th April 2017)

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



Sanjai Singh



1. Name, Department & Designation:

Sanjai Singh

Asso. Professor, ECE Dept

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

Teaching/Research: 12

Industry: 00

Total: 12

3. **New courses developed**

4. Title, course number **Quantum Computing and Quantum Information, QEC630**

5. **Books and book-chapters published** NONE

Sr No.	Author(s) Name	Title of the Book/Chapter	Publisher	Place and Year of publish	Pages (in case chapter)	

5. Research papers published in journals :-**NONE**

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

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.

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

7. **Research papers published in conference proceedings (as a full paper):- NONE**

Sr No.	Author(s) Name	Title of the Article	Conference	Paper No	Year	page

Underline the name of the author for correspondence.

Please do not list conferences where only abstracts are published.

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



Annual Report 2016-17

Ab-initio study of physical properties of 1-D Quantum Nanowires, International Conference on Emerging Materials and Applications, Physics Department, Allahabad University, Feb 20-22, 2017

9. 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)

10. Work done in project undertaken in the Institute: -

- (i). Inhibitors for Protein Associated with Cardiovascular Disease., M. Tech. (Bio Med. Eng) project
- (ii). Classification of Chronic Kidney Disease using Machine Learning Approach. (Bio Med. Eng) projectM. Tech

11. Training Programme organized: NONE

12. Other Activities

(a) Technology Developed

Name of the technology/product

(b) Software Developed

Name of the software

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

Name, Purpose, Period.

(d) Patents NONE

(Title, Patent number, granting agency)

(e) Awards and Honors

Title, Awarded by

(f) Continuing Education Activities

Name and type of the course organized (Self-financing, Industry),
Place, Dates, and profile of participants (university/industry)

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

Name of the organization, Period

(h) Any other important activity not specified above

(I) Participated in First Workshop on Electron Devices 2016 (WED'16) under IEEE EDS UP Chapter on November 19, 2016 at IIIT-A, Allahabad.

(ii) Participated in "Faculty Enrichment Program on "Intellectual Property Rights" March 03-09, 2017 JTGD College, Allahabad University, Allahabad.



5

BRIEF SUMMARY OF THE DEPARTMENT'S ACTIVITIES DURING THE YEAR 2016-17



5. BRIEF SUMMARY OF THE DEPARTMENT'S ACTIVITIES DURING THE YEAR 2016-17

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 or in the cusp 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 (at both Jhalwa Allahabad and IIIT- Lucknow), dual-degree (BTech(IT)+ MTech in IT with specialization in different areas like “Intelligent Systems, Cyber Laws and Information Security, Wireless Communication Engineering, Human Computer Interaction, Robotics, and Software Engineering ”; BTech(IT)+ MBA), PhD and Integrated MTech + PhD programme. 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 natural language processing, Robotics, Wireless Sensor Networks, Human Computer Interaction, Speech and Language Processing, Biometrics, Data Analytics, Cryptography and Information Security, **Software Engineering research , Interactive Technologies & Multimedia, Advanced Image & Data Science, Deep learning and system Lab** . 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 emerging areas. 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 projects sponsored by both government and industry are being undertaken in the department.

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), 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. One regular



selection committee met in Advertisement No: 1-Jul/2017 and in the session 2017-18, two new faculty members have joined the department..

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

➤ New Laboratories:

- a. Software Engineering research
- b. Interactive Technologies & Multimedia
- c. Advanced Image & Data Science
- d. Deep learning
- e. System Lab
- f. Wireless Sensor Network

➤ Strengthening of 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%.



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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*** by planning to hold an external review of all academic and administrative processes. Different committees have been constituted to stream academic processes by making academic decision making fast and transparent. 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 (Microelectronics), Dual Degree with BTech (ECE) 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 devices and circuits area 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.

Research Development:

The faculty members of the department have been able to get approval of 02 projects, from the government funding agencies. Besides this the faculty members of ECE department are working in the sponsored research projects with a total value of nearly 252 Lakh rupees. The faculty members of the department have published over 10 research papers and 15 conference papers in reputed peer reviewed international journal and conferences respectively during 2016-2017. Currently 23 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 are at the advanced stage of development.

Training and Placements:

The students of BTech and MTech had registered for the campus placements which opened in July-August 2016. 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 2016 onwards to fill up online "Job Notification 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, Naukri.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 2016-17 for B. Tech (ECE) students was conducted and 100% placement has been attained with highest CTC = 27 Lakhs/annum and average CTC = 9.63 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 now come to department for their MBA Phase.
2. The first batch of Integrated MBA-Ph.D. program has started pursuing the Ph.D. program after completing their MBA.
3. The Department had undergone a review by a committee headed by Prof. Gautam Sinha, Director IIM Kashipur and Hon'ble Member BOG- IIITA. The committee made various suggestions for the improvement of program and the Department.
4. Three new faculty members were recruited at the department which has enriched the faculty base.

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
3. Two Students Ms.Pratistha Chandra and Mr. Sarthak Sengupta selected to visit Japan as part of JENESYS 2016, a people to people exchange program promoted and funded by the Japanese Governmentt to foster international cooperation and economic partnership.

Lab Development:

1. Department has developed Business Analytics Lab which is equipped with most of the relevant Database and Data Analysis Softwares Covering most of the functional areas of management like IT, Operations, Finance, Marketing etc.
2. A state of art Communication Skill Lab is underdevelopment which has the objective to develop students' communication skills and prepare them for campus placement or recruitment.



Pedagogical Innovation:

1. 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.
2. As a pedagogical intervention 'War Room' (A scenario based study scheme) has been introduced in the Strategic Management Course.

Research & Publications:

1. 1 PhD in Management has been awarded.
2. Faculty and Research Scholars have visited the countries like Japan, Sri Lanka, USA & U.K. for Research & Development activities.
3. The E-Magazine 'B-Cognizance' has successfully completed its 10 year of publication still running.

Placement:

1. Top firms visited for MBA Campus hiring.

Outreach Initiatives:

The department is ready to launch 'Management Clinic' as an outreach initiative to help and support Micro & Small Business:

- i. To create efficient and effective enterprises through 'consulting & Process Management'
- ii. Introducing lean and agile methods/technologies for BPM (Business Process Management)

(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 discipline 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 recently, IIT Allahabad has 16th rank in India. Then came the India Today ranking, where the Institute was ranked 25th in the list of India's top engineering institutes. Most recent is the Outlook ranking which places us at the 17th 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 practise, 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 2015-17 (100% Placement)

3. Current 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.

Previous sponsored projects

– **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. Pritish Kumar Varadwaj.



– **Project Entitled** “Development of transgenic Wheat plant against Cereal Cyst nematode (*Heterodera Avenae*) and Sunnpest (*Eurygaster integriceps 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 mathematics, physics and biology which are essential pillars of Information Technology, the mandate of the institute.

(Dr. Tapabrata Lahiri)
HOD, Applied Science





6

RESEARCH AND PROJECTS



6. RESEARCH AND PROJECTS

6.1 Projects of the Institute 2016-17

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 tollerant 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	Prof. Sudip Sanyal	DEITY	1,65,00,000	68,36,000
10	Setting up of an ASEAN-India Science & Technology Library	Director	M E Affairs ASEAN	3,17,57,033	3,17,57,033
11	Allahabad High Court Digitilization Project	Director/ Dr. Ratna Sanyal	Alld High Court	5,11,00,000	4,39,90,000
12	ATB Netwok simulation Tastbed at MCTE,MHOW (MP)	Prof. M.Radhakrishna	CDA Jabalpur	1,44,40,000	1,17,49,623
13	Distributing Industrial Optimization tasks to Rural Worker- INDO UK BURD Project	Prof. Anupam	DST	60,88,130	42,55,024
14	Topological Materials and Application Science and Research Board	Dr. Pramod Kumar	DST-SERB	23,30,000	10,75,000
15	DST - RFBR Project- Development of logic programming approach to intelligent monitoring	Dr. Abhishek Vaish	DST	16,83,908	8,65,610



	of anomalous human activities DST-Russian Federation of Basic Research				
16	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
17	Spintronic material and its applications	Dr. Pramod Kumar	DST-SERB	38,08,025	35,00,000
18	Inspire Faculty Award	Dr. Sitangshu Bhattacharya	DST	35,00,000	14,99,746
19	IIIT-A Design Innovation Center	Prof. S. Sanyal	MHRD	13,00,000	31,00,000
20	Special Manpower Development Programme	Dr. Manish Goswami	DietY	7,50,000	16,95,000
21	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	15,42,000
22	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
23	Colour Barcoded, gold Nanoparticle Coated, Embedded, Magnetic Microparticle for Lab on Chip Localized Surface Plasmon Based Label Free Multiplexed Biossays	Dr. Amit Prabhakar	DST	32,22,600	21,57,720
24	GLOBAL INITIATIVE ON ACADEMIC NETWORK	Dr. Satish Kumar Singh	MHRD		24,48,000
25	Silicon nanowires: professional compact model of scaled thermoelectric figure of merit for energy harvesting”	Dr. Rekha Verma	DST	21,09,800	13,68,600
26	Mission Planning using Sampling based techniques	Dr. Rahul kala	Dr. Rahul kala	3928766	2846660





7

THE INFRA-STRUCTURAL DEVELOPMENT



7. THE INFRA-STRUCTURAL 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 RGIIT-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
- 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



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with spectator stands serves as the principal venue for most of the sports events organized by “Spirit” – the sports club of IIIT-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 infrasture 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 & RGIIT-A 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
	9.	Boys' Hostel(Amethi)	218
	10	Girls' Hostel (Amethi)	60
	Total		1780
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		



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	4) Athletic Track
	Squash Court
	Cafeteria
	1) Health Centre 2) Bank & Post Office 3) Telephone Exchange 4) Shops, Dormitory 5) Student Activity Centre
	(RGILT-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 10 th 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
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 (Refrigerators, TV, computer facilities in six suits), all double beds) AC Rooms (TV, All Double beds) Non-Ac Rooms (*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: AC Suites, AC single (All double beds, refrigeration in 17 suites, TV with computer in all 30)	10 20 10 - 28 02

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



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3.	Type – III	100 Sqm.	40 (2 blocks)	20
4.	Type – IV	120 Sqm.	24 (2 blocks)	12
5.			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 Computer Centre CC2 Lecture Theatre LT Nehru Science Centre NSC C.V. Raman Bhawan (CC-3)	16 16 05 05 01 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.



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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.



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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 Functionin

- 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 / 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.



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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





8

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 Disabilities	The students having more than 40% disability (Certified by competent medical authority of the state Governments/UTs.) 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.	Maintenance allowance p.m. Rs. 1,200/- for Hosteller and Rs. 500/- for Day Scholar. Transport Allowance @ Rs.160/- p.m. Escort Allowance @ Rs.160/- p.m. for severally 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	Top 10 SC and Top 5 ST Students are selected on the basis of their rank in AIEEE.	Reimbursement of tuition fees and non
7	Top Class Education Scheme for ST Students	Total income from all sources of the candidate and/or his/her parents/guardians, shall not exceed Rs. 4.50 lakh per annum.	-refundable charges up to Rs. 2.00 lakh p.a. Living expenses @ Rs. 2,640/- p.m. Books & Stationery Rs. 3,000/- p.a. Reimbursement of expenses for purchase of a computer with accessories Rs. 45,000/- per awardee as a one-time grant for entire course.
8	Central Sector Scheme of Scholarships for College And University Students	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 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.	The rate of scholarship would be Rs.1000/- p.m. at Graduation level for first three years of College and 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.
9	DLF Raghvendra Scholarship	1. Students belonging to the states of Haryana, Uttar Pradesh and Delhi. 2. The 'DLF Raghvendra Scholars' will be provided Rs. 40,000 a year till they complete their four-year graduate courses, to cover tuition fees, hostel and mess charges. 3. Selection will be purely on merit and underprivileged status.	Rs. 40,000/- p.a.



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10	Indian Oil Scholarship(IOCL)	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 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	Rs. 48,000/- p.a.



		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 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. 45,000/- for first rank Rs. 40,000/- for second rank Rs. 38,000/- for third rank Rs. 37,000/- for fourth rank 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.



9

THE STATISTICS



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9. THE STATISTICS

9.1 Financial Statistics for the year 2016-17

NON-PLAN:-

Resource mobilization of the Institute on the **Non-Plan** side during the year **2016-17** was to the tune of **Rs. 4119.37 Lac**, out of which **Grant-in-aid** accounted for **Rs. 2110.00 Lac** and the **rest** of **Rs. 2009.37 Lac** was raised through the internal resources of the Institute comprising of mainly academic fees and interest on savings bank accounts etc. The **Grant-in-Aid** of **Rs. 2110.00 Lac** was released by the MHRD, Gol in the following **07th installments:-**

(Rs. in Lac)

1. F.No. 45-2/2016-TS-1 Dated **16.05.16** = Rs. 318.33
2. F.No. 45-2/2016-TS-1 Dated **29.06.16** = Rs. 477.50
3. F.No. 45-2/2016-TS-1 Dated **22.08.16** = Rs. 159.17
4. F.No. 45-2/2016-TS-1 Dated **24.11.16** = Rs. 244.50
5. F.No. 45-2/2016-TS-1 Dated **25.01.17** = Rs. 237.25
6. F.No. 45-2/2016-TS-1 Dated **22.02.17** = Rs. 237.00
7. F.No. 45-2/2016-TS-1 Dated **15.03.17** = Rs. 436.25

Total = Rs. 2110.00

The **Non-Plan** Expenditure was to the tune of **Rs. 3984.12 Lac**. Excess expenditure of **Rs. 1874.12 Lac {Rs. 3984.12 Lac – Rs. 2110.00 Lac}** over and above released Grant-in-aid was met out from internal resources of the Institute.

PLAN:-

The MHRD, Gol released **Plan Grant** of **Rs. 1100.00 Lac** during the year **2016-17** in the following **03rd installments:-**

(Rs. in Lac)

1. F.No. 45-1/2016-TS-1 Dated **18.05.16** = Rs. 500.00
2. F.No. 45-1/2016-TS-1 Dated **22.06.16** = Rs. 200.00
3. F.No. 45-2/2016-TS-1 Dated **21.09.16** = Rs. 400.00

Total = Rs. 1100.00

Apart from above Plan Grant, **Ministry of Social Justice and Empowerment, New Delhi** released Grant of **Rs. 17.55 Lac** towards **Construction of Hostel for OBC Boy's** as **IIIrd installment** during the year **2016-17** vide its **Letter F.No. 11015/16/2014-BC-1 Dated 30.03.17**. Against total fund available during the year 2016-17 of **Rs. 1647.48 Lac {Opening balance: Rs. 487.39 Lac + Internal Accrual (Interest received): Rs. 42.54 Lac + Grant amount received: Rs. 1117.55 Lac}**, a sum of **Rs. 1015.63 Lac** was utilized for the purpose for which the Grant was sanctioned leaving an unspent balance of **Plan Grant** amounting to **Rs. 631.85 Lac** as on **31.03.17**.



9.2 Placement

The campus for recruitment in 2016-2017

Sl.No	Name of Company	No. of Students placed
1.	Adobe	3
2.	Amazon	3
3.	Arcesium	1
4.	Arista Networks	1
5.	Bluestacks	2
6.	Capgemini	5
7.	Cisco	5
8.	CitiCorp	6
9.	Codenation	3
10.	Deshaw	1
11.	Directi	6
12.	Edelweiss	5
13.	Expedia	3
14.	Freescall	1
15.	GE Digital	6
16.	Goldman Sachs	2
17.	Hackerrank	1
18.	Hike	4
19.	IBM	7
20.	Icon Resources	1
21.	Incture	3
22.	Infosys	13
23.	Infurnia	5
24.	ION Trading	2
25.	JDA	2
26.	Jigsaw	1
27.	Juniper	4
28.	Kronos	3
29.	Linkedin	2
30.	Mahindra	3
31.	MakemyTrip	3
32.	MAQ	2
33.	Microsoft	5
34.	Moonfrog	3
35.	Morgan Stanley	10
36.	Nagarro	2
37.	NeoGrowth	2
38.	Newgen	1
39.	OFSS	4
40.	Okutech	4
41.	Proptiger	2
42.	Qualcomm	8



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43.	RBS	5
44.	Samsung Delhi	13
45.	Samsung Noida	17
46.	Samsung	18
47.	SAP Labs	3
48.	Sapient	4
49.	Shopclues	3
50.	smartprix	1
51.	Streamoid	2
52.	Sutra	4
53.	Swiggy	7
54.	TCS	8
55.	TCS CTO	1
56.	TechRacers	1
57.	Times Internet	2
58.	VassarLabs	2
59.	Verizon	1
60.	Walmart	8
61.	Wipro	7
62.	Worksapp	1
63.	Wrig	1
64.	Yoddle	1
65.	Zendrive	1
66.	Zomato	3
67.	ZS	5

9.3 Medals and Awards





XIIth CONVOCAATION

Institute Medals
M.Tech. in IT
Academic Batch July 2015 – June 2017

GOLD
Puja Srivastava
(IHC2015003)

SILVER
Deeksha Agarwal
(IWC2015012)

BRONZE
Gayathri R
(ICL2015008)

1

CONVOCAATION XIIth

Institute Medals
M.Tech. in EE
Academic Batch July 2015 – June 2017

GOLD
Patel Nikunj Kumar Jivrambhai
(IMI2015006)

SILVER
Deepika Gaur
(IMI2015010)

BRONZE
Pritesh Kumar Yadav
(IMI2015003)

1



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XIIth CONVOCATION

Institute Medals

MBA
Academic Batch July 2015 – June 2017

GOLD
Ayushi Tewari
(IMB2015007)

SILVER
Akriti Gupta
(IMB2015001)

BRONZE
Ayush Tiwari
(IMB2015004)

1

CONVOCATION XIIth

Institute Medals

Integrated M.Tech. in Biomedical Engineering
Academic Batch July 2012 – June 2017

GOLD
Mehul Agrawal
(IBM2012036)

SILVER
Karnika Singh
(IBM2012040)

BRONZE
Juhi Jaiswal
(IBM2012018)

1





XIIth CONVOCAATION

Institute Medals

B.Tech. IT
Academic Batch July 2013 – June 2017



GOLD
Swapnil Saxena
(IIT2013055)



SILVER
Dikshant Gupta
(IIT2013039)



BRONZE
Ojusvini Agarwal
(RIT2013001)





CONVOCAATION XIIth

Institute Medals

B.Tech. ECE
Academic Batch July 2013 – June 2017



GOLD
Apoorva Agrawal
(IEC2013050)



SILVER
Hetiraj Himanshu
(IEC2013017)



BRONZE
Kriti Vaish
(IEC2013067)





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9.4 Events of the Year

01st April, 2016 to 31 March, 2017

1-4 April, 2016	IIIT-A geared up to host its annual technical fest Aparoksha-2016 at its Jhalwa campus. The four day fest began from April 1. Several eminent personalities including Satish Sangameswaram from Microsoft, Padam Shri Askoke Sen, HackerEarth co-founder Vivek Prakash and academic relations manager, TCS Vishal Seth enlightened the students with their invaluable experience during the fest. The fest witnessed over three dozen technical events. Director, MNNIT, P Chakarabarti and Prof Somenath Biswas, director of IIIT-A inaugurated the event in the main auditorium.
27 April, 2016	IIIT-A will set up a state-of-art solar photovoltaic power plant on its campus. In the first phase a 300 KVP rooftop plant connected to the power grid will come up a top the boys' hostel-5 which will partially meet the Institute's power requirements. The mission is in line with the joint initiative of the ministry of new and renewable energy (MNRE) and ministry of HRD to make campuses of technical institutions solar-energy efficient.
20 April, 2016	IIIT-A team excels in international programming contest in Thailand: Budding techies of IIIT-A have brought laurels to their institution by securing 57 th rank in the ACM ICPC world final event in Phuket, Thailand. A team of three students of the IIIT-A. Man Mohan Mishra, Mettu Shiva Reddy and Aditya Sharma-emerged as the best team from India and 57 th in the world. ACM international collegiate programming contest (ICPC) is an annual multi-tier programming competition among the universities of the world.
02 June, 2016	IIIT-A ranks 19 th among top 25 Engineering Institutions: The IIIT-A has secured 19th rank among top twenty five engineering Institute in the country in the latest India Today ranking.
28 June, 2016	GIAN programme at IIIT-A : To encourage scientists and entrepreneurs from various countries to engage with higher education Institutes in India, a programme Global Initiative of Academic Networks (GIAN) was inaugurated on Jhalwa Capus of IIIT-Allahabad. The GIAN was approved by the Government of India which aimed at augmenting existing academic resources and elevating India's scientific and technological capacity to global excellence. Associate Professor from EPEL Lausanne (Ecole Polytechnique Federale de Lausanne), Switzerland, Nisheeth Vishnoi spoke on evolution and computation.
15 June, 2016	The deadly Ebola virus that has spread its tentacles in West Africa, US, UK, Spain and Italy may now be countered by compounds found in flowering plant Roselle and red onion. Utkarsh Raj and Pritish Varadwaj, researchers at IIIT-A have zeroed in on two flavonoids (plant-based compounds) – Gossypetin and Taxifolin – as potential drug – like molecules against the virus. The findings have been published recently in the prestigious journal Interdisciplinary Sciences: Computational life Sciences and Also reported in the recent edition of Current Science. These two flavonoids also show better results than the existing experimental drug BCX4430.
03 July, 2016	Fortnight-long Independence Day celebrations have kicked-off at the prestigious IIIT-A. The celebrations began with inauguration by the acting director of the institute prof. G.C. Nandi in the administrative building auditorium.
29 August, 2016	A national quiz competition Technikwiz 2016 was organized at IIIT-Allahabad under the joint auspices of the IEEE computer Society, IIIT-A and the IEEE student branch of the IIIT-A. The event was organized on the national level and attracted participation level and attracted participation from different parts of the country. A total of 135 teams participated in screening round with each team comprising of two members. The screening round was held on August 21, 2016 wherein a total of 8 teams qualified for the final round. Sulyab Thottungal, quiz master, said a total of five rounds were conducted.



15 September, 2016	‘स्वाभिमान व गर्व की भाषा है हिन्दी’ भारतीय सूचना प्राद्योगिकी संस्थान (ट्रिपल आईटी) में हिन्दी पखवाड़े का समापन गुरुवार को हुआ। प्रीतारि निदेशक प्रो. जी.सी. नन्दी ने कहा कि हिन्दी भाषा ही हमारें सम्मान, स्वाभिमान और गर्व की भाषा है। अपनी भाषा की वजह से ही हमें विश्व में एक नई पहचान मिली है। इस अवसर पर विभिन्न प्रतियोगिताओं का आयोजन भी किया गया है।
15-17 October 2016	The three-day cultural fiesta of IIIT-A, Effervescence -2016 witnessed the performance of international artists this year. Jeremy Andert, a hang drum artist from US performed. Jeremy has performed in 23 countries. Israeli singer Limor Ballas performed on October 17 followed by song presentation by Bolly wood singer Benny Dayal. Coordinator Pranav Pandey said that this year there were amazing fun activities like Zorbing Zumba and archery. On Sunday, a magician and fire artist from New Delhi added more excitement to the carnival, apart from the rock night where a band from a popular entertainment channel performed. The Indian rock band called “the local train” also performed. The winning band qualified for a popular band and present a live concert in Mumbai.
31 October-05 November, 2016	Several programmes were organized to mark Vigilance Awareness Week at IIIT-A, the week concluded on Saturday. Speaking at the closing ceremony held in the auditorium of the institute on Saturday, Prof GC Nandi, officiating director, IIIT-A highlighted the aim behind observing vigilance week at government offices and institutions. The main purpose of such a week is to create awareness and ensure transparency in working,” he said. He also spoke on possible steps for reducing corruption.
24 November, 2016	Change lifestyle to avoid obesity, diabetes: Experts Continuing Medical Education (CME) Programme of the Diabetes Education Foundation was organized on the Jhalwa campus of IIIT-Allahabad, on Thursday to spread awareness about lifestyle diseases like diabetes and obesity. Meanwhile, principal of Moti Lal Nehru Medical College (MLNMC) and Director of Regional Institute of Ophthalmology Dr. SP Singh said, diabetes are more susceptible to eye problems and should get their eyes examined regularly.
03 December, 2016	Face book decides to nurture IIIT-A alumni’s start-up: An educational mobile app developed by former students of IIIT-A has been lapped up by face book and its partners.
30 January, 2017	Noted speakers addressed participants of a TEDs programme in the main auditorium at IIIT-A on Sunday. TED talks are motivational lectures delivered as a social responsibility Endeavour by experts from various fields. The theme of the event was “change and speakers spoke to the audience about how easy it was to achieve more and make progress in life with it. They narrated personal experience of how they managed to accomplish tasks in their lives by effecting suitable changes.
30-31 January, 2017	The IIIT-A Allahabad organized a two day book fair on its campus. The Director, Prof G.C. Nandi inaugurated it on Monday at the MBA Department and said that full automation of its library was his top priority.
16-18 February, 2017	“Asmita”, the fourth annual sports event of IIIT-A kicked off in colourful ceremony at Jhalwa campus on Thursday evening. Mr Ravi kant Chairman, Board of Governor, IIIT-A inaugurated the four day fest with lighting of 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 community. He advised students to take out at least one hour time for their physical and mental fitness through taking part in sports.
17-19 March, 2017	A Tree day symposium on humans & computer’s organized by IEEE computer Society India Symposium (CSIS) began at IIIT-A on Friday. The symposium, jointly conducted by the IEEE computer society India Council SAC, IEEE SP/C Joint Chapter, UP Section and IEEE Student



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	Branch, IIT Allahabad, included talk sessions, workshops and events on CS/IT domains such as human computer interaction, machine learning, network security and cognitive science.
23-26 March, 2017	IIT-A's Technical fiesta -Aproksha' the four day long technical fiesta kicked off on its Jhalwa campus here. Prof. US Tiwari, Dean, Infrastructure, Resource and Planning, IIT-a, inaugurated the event in the main auditorium at a colourful ceremony.

9.5 Examination Results

Sl. No.	Convocation	Convocation Date	Academic Session	Name of Course	No. of Students Passed				Total
					Boys		Girls		
					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.(ECE)	17	29	4	3	53
			Jul 2007 - Jun 2011	B.Tech.(ECE)	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.(ECE)	2	2	0	0	4
			Jul 2008 - Jun 2012	B.Tech.(ECE)	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.(ECE)	0	1	0	0	1
			Jul 2008 - Jun 2012	B.Tech.(ECE)	0	3	0	0	3
			Jul 2009 - Jun 2013	B.Tech.(ECE)	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
			Jul 2010 - Jun 2014	B.Tech.(ECE)	22	60	8	6	96
			Jul 2011 - Jun 2015	B.Tech.(ECE)	17	58	6	5	86
			Previous Batch	B.Tech.(ECE)	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.(ECE)	19	56	8	3	86
			Previous Batch	B.Tech.(ECE)	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.(ECE)	27	40	7	8	82
			Previous Batch	B.Tech.(ECE)	0	4	0	0	4

Sl. No.	Convocation	Convocation Date	Academic Session	Name of Course	Specialisation	No. of Students Passed		
						Boys	Girls	Total
1	First	09.09.2003	Jul 1999- Jun 2001	M.Tech. (IT)		NA	NA	NA



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2	Second	21.10.2005	Jul 2002- Jun 2004	M.Tech.(IT)	BI	11	3	14
					IS	15	0	15
					WCC	13	0	13
			Jul 2003 - Jun 2005	M.Tech.(IT)	BI	13	0	13
					IS	17	1	18
					WCC	11	2	13
3	Third	12.08.2006	Jul 2004- Jun 2006	M.Tech.(IT)	BI	15	3	18
					IS	12	4	16
					WCC	9	5	14
					SE	11	2	13
			Jul 2004- Jun 2006	MBA(IT)		34	7	41
			Jul 2004- Jun 2006	MPCLIS		20	5	25
				Ph.D.		0	1	1
4	Fourth	12.08.2008	Jul 2005 - Jun 2007	M.Tech.(IT)	BI	12	0	12
					IS	12	4	16
					WCC	13	3	16
					SE	15	2	17
			Jul 2006 - Jun 2008	M.Tech.(IT)	BI	5	1	6
					IS	7	4	11
					WCC	17	1	18
					SE	16	3	19
			Jul 2005 - Jun 2007	MBA(IT)		34	10	44
			Jul 2006 - Jun 2008	MBA(IT)		47	8	55
			Jul 2005 - Jun 2007	MSCLIS		20	3	23
			Jul 2006 - Jun 2008	MSCLIS		27	3	30
				Ph.D		2	0	2
5	Fifth	19.08.2009	Jul 2006 -Jun 2008	M.Tech.(IT)	BI	3	3	6
					IS	7	1	8
					WCC	1	0	1
					SE	0	1	1
			Jul 2007 -Jun 2009	M.Tech.(IT)	BI	7	4	11
					IS	3	0	3



					WCC	4	2	6
					SE	9	0	9
					HCI	10	0	10
					RO	6	1	7
					MI	0	1	1
			Jul 2007 - Jun 2009	MBA(IT)		45	8	53
			Jul 2007 - Jun 2009	MSCLIS		41	10	51
				Ph.D		0	1	1
6	Sixth	12.08.2011	Jul 2009 - Jun 2011	M.Tech.(IT)	BI	9	4	13
					IS	9	2	11
					WCC	12	5	17
					SE	16	5	21
					HCI	11	5	16
					RO	9	0	9
					MI	6	3	9
			Jul 2008 - Jun 2010	M.Tech.(IT)	BI	9	11	20
					IS	11	2	13
					WCC	16	0	16
					SE	14	3	17
					HCI	11	2	13
					RO	10	1	11
					MI	9	2	11
			Jul 2007 - Jun 2009	M.Tech.(IT)	BI	6	2	8
					IS	3	0	3
					WCC	7	1	8
					SE	9	1	10
					HCI	2	2	4
					RO	0	0	0
					MI	7	1	8
			Jul 2005 - Jun 2007	M.Tech.(IT)	SE	1	0	1
			Jul 2007- Jun 2009	MBA(IT)		1	0	1
			Jul 2008- Jun 2010	MBA(IT)		38	14	52
			Jul 2009- Jun 2011	MBA(IT)		33	20	53
			Jul 2006 - Jun 2008	MSCLIS		1	0	1
			Jul 2007- Jun 2009	MSCLIS		3	1	4



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			Jul 2008- Jun 2010	MSCLIS		44	10	54
			Jul 2009- Jun 2011	MSCLIS		59	11	70
			Ph.D			3	5	8
7	Seventh	21.09.2012	Jul 2009 - Jun 2011	M.Tech.(IT)	BI	1	0	1
					IS	1	1	2
					WCC	3	0	3
					SE	1	0	1
					HCI	0	0	0
					RO	1	0	1
					MI	3	0	3
			Jul 2010 - Jun 2012	M.Tech.(IT)	BI	7	8	15
					IS	5	2	7
					WCC	14	4	18
					SE	15	3	18
					HCI	7	0	7
					RO	6	3	9
					MI	8	3	11
			Jul 2009 - Jun 2011	MBA(IT)		2	0	2
			Jul 2010 - Jun 2012	MBA(IT)		29	8	37
			Jul 2009 - Jun 2011	MSCLIS		1	0	1
			Jul 2010 - Jun 2012	MSCLIS		55	10	65
				Ph.D		5	2	7
8	Eighth	18.12.2012	Special Convocation					
9	Ninth	10.03.2014	Jul 2008- Jun 2010	M.Tech.(IT)	MI	1	0	1
			Jul 2009- Jun 2011	M.Tech.(IT)	RO	1	0	1
			Jul 2010 - Jun 2012	M.Tech.(IT)	IS	1	0	1
					WCC	4	1	5
					SE	3	1	4
					HCI	3	0	3
					RO	1	0	1
					MI	1	0	1
			Jul 2011 - Jun 2013	M.Tech.(IT)	BI	6	0	6



					IS	17	1	18
					WCC	20	5	25
					SE	15	9	24
					HCI	9	3	12
					RO	10	4	14
					MI	13	7	20
			Jul 2010 - Jun 2012	MBA(IT)		1	3	4
			Jul 2011 - Jun 2013	MBA(IT)		29	8	37
			Previous Batch	MSCLIS		2	0	2
			Jul 2011 - Jun 2013	MSCLIS		49	12	61
			Ph.D			8	0	8
10	Tenth	09.11.2015	Jul 2011 - Jun 2013	M.Tech.(IT)	SE	1	0	1
			Jul 2012 - Jun 2014		BI	6	3	9
					IS	10	4	14
				M.Tech.(IT)	WCC	17	5	22
					SE	19	6	25
					HCI	9	4	13
					RO	11	2	13
			Jul 2013 - Jun 2015		BI	10	6	16
					IS	7	9	16
				M.Tech.(IT)	WCC	14	6	20
					SE	18	6	24
					HCI	10	4	14
					RO	13	4	17
			Jul 2012 - Jun 2014	M.Tech.(EE)	CE	15	3	18
			Jul 2012 - Jun 2014	M.Tech.(EE)	MI	11	8	19
			Jul 2013 - Jun 2015	M.Tech.(EE)	CE	8	7	15
			Jul 2013 - Jun 2015	M.Tech.(EE)	MI	14	3	17
			Jul 2012 - Jun 2014	MBA(IT)		40	23	63
			Jul 2013 - Jun 2015	MBA(IT)		23	21	44
			Jul 2012 - Jun 2014	MSCLIS		52	14	66
			Jul 2013 - Jun 2015	MSCLIS		55	16	71



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			जून-14	Ph.D		1	1	2
			जून-15	Ph.D		7	5	12
11	Eleventh	24.09.2016	Jul 2014 - Jun 2016	M.Tech.(IT)	BI	1	1	2
					CLIS	3	0	3
					HCI	5	0	5
					IS	3	5	8
					RO	6	0	6
					SE	10	3	13
					WCE	6	4	10
			Jul 2014 - Jun 2016	M.Tech.(EE)	MI	3	2	5
			Previous Batch	M.Tech.(EE)	WCC	1	0	1
			Jul 2014 - Jun 2016	MBA(IT)		9	9	18
			जुलाई-16	PhD		4	2	6
12	Twelfth	09.09.2017	Jul 2015 - Jun 2017	M.Tech.(IT)	BI	2	4	6
					CLIS	9	4	13
					HCI	5	3	8
					IS	4	2	6
					RO	5	0	5
					SE	10	1	11
					WCE	7	3	10
			Jul 2014 - Jun 2016	M.Tech.(EE)	MI	7	2	9
			Jul 2014 - Jun 2017	M.Tech. (IT)	IS	1	1	2
					SE	1	0	1
					WCE	2	0	2
			Jul 2014 - Jun 2016	M.Tech. (IT)	BI	1	0	1
					CLIS	4	0	4
					WCE	1	0	1
			Jul 2012 - Jun 2017	Integrated M.Tech	Biomedical	16	18	34
			jul 2015 - Jun 2017	MBA		1	4	5
			Jul 2014 - Jun 2016	MBA(IT)		3	0	3
			July- 17	PhD		16	6	22



10

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.1 dated October 11, 2002 read with G.O. F.No.C.36011/11/2005-PG Gol, MHRD dated 17.11.2005 as amended up-to-date. and in supersession of Office Order No. IIT-A/DIR/1446(2012 dated July 23, 2012. the Grievance Redressal Committee of IIT-A is reconstituted as follows with immediate effect:

1.	Prof. Sudip Sanyal	- Chairperson (Grievance Officer)
2.	Prof. Anupam	- Member
3.	Dr. Nidhi Mishra	- Member
4.	Dr. Vijaishri Tiwari	- Member
5.	Dr. Vijay Kumar Chaurasia, Chief Proctor	- Member
6.	Dr. Asheesh Kumaar, Deputy Registrar (M)	- Member and Coordinator
7.	Mr. K. S. Aeron (Office Representative)	- Member
8.	Mr. Yogesh Kardam (Representative of SC/ST)	- Member
9.	Ms. Blessy Anniesahju (Representative of Minority)	- Member
10.	Mr. Purnendu Pandey (Representative of Student)	- Member
11.	Ms. Farha Naz	- Member
12.	Ms. Manisha Tiwari (Project Staff)	- Member

Prof. Sudip Sanyal 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.

The Grievance Officer will have all secretarial assistance in the Institute for proper discharge of his duties.

This is an in-house mechanism for 'Redressal of Grievances', if any, by all concerned that may be availed of. so that a conducive academic/administrative ambience may be maintained in the Institute.

10.2 Prevention of Harassment of women at workplace

In supersession to O.M. No. IIT-A/DIR/1447/2012 dated July 23, 2012; the Committee for prevention of Sexual Harassment of women at workplace is reconstituted as follows with immediate effect:

1.	Prof. Ranjana Vyas (Faculty Representative)	- Chairperson
2.	Dr. Pallavi Dixit (Staff Representative)	- Member
3.	Prof. Nisha Srivastava (Allahabad University)	- External Member
4.	Mr. Vaibhav Kaushik, Advocate (Legal Counsel)	- External Member



5.	Dr. Asheesh Kumaar (Office Representative)	- Member & Coordinator
6.	Sri Yogesh Kardarn (SC/ST Representative)	- Member
7.	Topper of B.Tech IVth Semester (if the topper is a boy, then next girl in merit)	- Member
8.	Topper of MBA IInd Semester (if the topper is a girl, then next boy in merit)	- Member
9.	Topper of M.Tech IInd Semester (if the topper is a boy, then next girl in merit)	- Member
10.	Ms. Blessy Anniesahju (Minority Representative)	- Member
11.	Ms. Farha Naz	- Member
12.	Ms. Manisha Tiwari (Project Staff)	- Member

On the 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 Government Letter F.No. C.36011/7/2005-VIG dated 29.03.2006.

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



11

STUDENT'S GYMKHANA 2016-17



11. STUDENT'S GYMKHANA 2016-17

11.1 Councils

Presidential Council

Name	Enrollment Number	Designation
Adarsh Prasad Behera	PWC2015004	Speaker
Sarthak Sharma	IIT2014160	President
Aditya Singh	IRO2016009	Vice President
Indresh Attri	IIT2015121	General Secretary
Ashish Reddy	IIT2014116	Member
Dhirendra Kumar	PMI2015003	Member

Student's Welfare Council

Prankur Agarwal	LIT2015043	Secretary
Sanchit	PWC2015003	Member
Rahul Swami	ISE2016011	Member
Mulayam Singh Yadav	LIT2015031	Member
Ridam Arora	IIT2016134	Member
Bittu	LIT2016030	Member

Cultural Council

Shobhit Upadhyay	IIT2015049	Secretary
Mudit Rathore	ICM2015502	Member
Manasi Mohandas	ICM2015501	Member
Rishi Shukla	IIT2016507	Member
Prakhar Chaturvedi	IHM2016001	Member
Simran Gill	IIT2016088	Member
Parag Parihar	IIT2016095	Member
Mradul Kumar	IIM2016005	Member
Sashi Tarun	IIT2016097	Member

Sports Council

Anmol Chawla	IEC2015061	Secretary
Ashwin Vardhan	IIT2015104	Member
Rooha Shree	IBM2014046	Member
Suhas Reddy	IEC2016078	Member
Vinit Roy	IEC2016077	Member

Technical Council

Abhinav Khare	IIT2015036	Secretary
Sulyab TV	IIT2014134	Member
Gautham Santhosh	IIM2014008	Member
Mani	RIT2014035	Member
Arul Prakash	IIM2015002	Member
Lakshya Khattar	IIT2016009	Member



Academic Council

Abhishek Nandan	IIT2016066	Secretary
Srijan Sharma	IBM2014013	Member
Arpit Gupta	RIT2015032	Member
Siddharth Singh	RIT2015048	Member
Shikhar Chitransh	IEC2015045	Member
Shivam Singh	IEC2015078	Member

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 15 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. Its 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.



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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 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 :

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 wrecking 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 15th 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.



12

ANNEXURES



Annexures

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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: sanjiv saran59@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, Govt. of India dealing with Indian Institute of Information Technology, ex officio	Sri Rakesh Ranjan Joint Secretary (IIC&TE), MHRD Represented by: Sri Praveer Saxena US, MHRD	111-C, Ministry of Human Resource Development (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



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Sl. No.	Composition	Member	Contact Details
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
		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 , ustiuary@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: 0532-2929222 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. G.C. Nandi	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. Who are not in service of the Inst. nominated by the BOG	16 (1) (f)	Prof. K. Sethipathi	Dept of Physics, IIT Madras	Member
13.			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. Pavan Kumar Saini	Deputy Registrar (A)	Secretary

Co- option by Senate:

1.	Two members with no voting rights of Students Gymkhana nominated by the President, Gymkhana. 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.	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.				Student	

Finance Committee

1	Hon'ble Shri Ravi Kant Former Vice Chairman, Tata Motors	Chairman
2	Prof. P. Nagabhushan Director, IIIT-Allahabad	Member
3	Ms. Tripti Gurha Director (IIITs) MHRD, New Delhi	Member
4	Shri Ashok Maheshwari	Member



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	Director (Finance) MHRD, New Delhi	
5	Shri Anjan Das Executive Director in Technology CII, Gurgaon, Haryana	Member
6	Shri Munish Malik Finance Officer, IIT Kanpur	Member
7	Sri Sanjay Sharma, Sr. Consultant, IT & Electronics Deptt., Govt. of U.P., Lucknow	Member
8	Sri O.P. Srivastava Deputy Registrar (Finance & A/c), IIIT-A	Secretary

Building & Works Committee

1	Prof. P. Nagabhushan Director IIIT-Allahabad	Chairperson
2	Sri Rajiv Garg Suprintending Engineer, IIT, Kanpur	Member
3	Sri Sanjay Sharma Sr. Consultant, IT & Electronics Department Govt. of UP., Lucknow	Member
4	Prof. U. S. Tiwary Dean (IRP) IIIT-Allahabad	Member
5	Sri. Ramesh Chandra Chief Engineer (Civil) CPWD, Lucknow Office of the Chief Engineer (NZ-II) CPWD Central Building Lucknow	Member
6	Sri. Ratnesh Kumar Superintending Engineer U.P. Power Corporation Ltd., Civil Lines, Allahabad	Member
7	Dr. Seema Shah Estate Officer & Deputy Registrar (S & P) IIIT-Allahabad	Member



Institute of Placements 2016-2017

Sl. No.	<u>Name</u>	<u>Company Name</u>
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



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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
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



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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
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



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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	Freescale
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



Academic Staff 2016-2017

Sr. No.	Name of Faculty	Designation
1	Prof. G. C. Nandi	Professor
2	Prof. U. S. Tiwary	Professor
3	Prof. Om Prakash Vyas	Professor
4	Prof. Anupam	Professor
5	Prof. Shekhar Verma	Professor
6	Dr. Anurika Vaish	Associate Professor
7	Prof. Tapobrata Lahiri	Professor
8	Dr. Shirshu Varma	Associate Professor
9	Dr. Sanjeev B. S	Assistant Professor
10	Dr. Pavan Chakraborty	Associate Professor
11	Dr. Vrijendra Singh	Associate Professor
12	Dr. Madhvendra Misra	Associate Professor
13	Dr. Pritish Kr. Varadwaj	Associate Professor
14	Dr. Neetesh Purohit	Associate Professor
15	Dr. Vijaishri Tewari	Assistant Professor
16	Dr. Vijay Kr. Chaurasia	Assistant Professor
17	Dr. Abhishek Vaish	Assistant Professor
18	Dr. Rajat Kumar Singh	Associate Professor
19	Dr. Manish Kumar	Assistant Professor
20	Dr. Sanjai Singh	Assistant Professor
21	Dr. Sonali Agarwal	Assistant Professor
22	Dr. Manish Goswami	Assistant Professor
23	Dr. S. Venkatesan	Assistant Professor
24	Dr. Akhilesh Tiwari	Assistant Professor
25	Dr. Pramod Kumar	Assistant Professor
26	Dr. Pragya Singh	Assistant Professor
27	Dr. Nidhi Mishra	Assistant Professor
28	Dr. Amit Prabhakar	Assistant Professor
29	Dr. Sangeeta Singh	Assistant Professor
30	Dr. Satyavani Guttula	Assistant Professor
31	Dr. Ashutosh Mishra	Associate Professor
32	Dr. Shailendra Kumar	Assistant Professor
33	Dr. Satish Kumar Singh	Assistant Professor
34	Dr. Bibhas Ghosal	Assistant Professor (contract)
35	Dr. Rekha Verma	Assistant Professor (contract)
36	Dr. Pooja Mishra	Assistant Professor (contract)
37	Dr. Rahul Kala	Assistant Professor (contract)



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38	Dr. Krishna Pratap Singh	Assistant Professor (Probation)
39	Dr. Suneel Yadav	Assistant Professor (contract)
40	Dr.Singhtanshu Bhattacharya	Assistant Professor (Probation)
41	Dr. Sunny Sharma	Assistant Professor (Contract)
42	Dr. Seema Awasthi	Assistant Professor (Contract)
43	Dr.Prassana Kumar Mishra	Assistant Professor (Contract)
44	Dr. Abdulla Abu Baker	Assistant Professor
45	Dr. Sumit Kumar Upadhyay	Assistant Professor (Contract)
46	Dr. Amit Kumar Dhar	Assistant Professor (Contract)
47	Dr. Amaresh Kumar Sahoo	Assistant Professor (Contract)
48	Dr. Ratan Kumar Saha	Assistant Professor
49	Dr. Anand Kumar Tiwari	Assistant Professor (Contract)
50	Dr. Sintu Kumar Samanta	Assistant Professor
51	Dr. Rishi Ranjan Singh	Assistant Professor (Contract)
52	Dr. Utkarsh Goel	Assistant Professor (Contract)
53	Dr. Vineet Tiwari	Assistant Professor (Contract)
54	Dr.Jagpreet Singh	Assistant Professor (Contract)
55	Dr. Srijit Bhattacharya	Assistant Professor (Contract)
56	Sudipta Das	Assistant Professor (Contract)
57	Dr. Soumyadev Maity	Assistant Professor (Contract)
58	Dr. Ashutosh Singh	Assistant Professor (Contract)
59	Dr. Saurabh Mishra	Assistant Professor (Contract)
60	Dr. Shashi kant Rai	Assistant Professor (Contract)
61	Dr. Ranjeet Singh	Assistant Professor (Contract)
62	Dr. Triloki Pant	Assistant Professor (Contract)
63	Dr. Praveen Kumar	Assistant Professor (Contract)
64	Sh.Arun kant Singh	Ad hoc Visiting faculty
65	Dr.Ranjana Vyas	Ad hoc Visiting faculty
66	Prof. Krishna Mishra	Honorary Professor

Non-Teaching Staff (2016-17)

Sl. No.	Name of Employee	Designation as per RPN
1	Dr. Asheesh Kumaar	Joint Registrar
2	Dr. Seema Shah	Joint Registrar
3	Sh. O P Srivastava	Dy. Registrar
4	Dr. Pavan Kr. Saini	Dy. Registrar
5	Sh. Pradeep Kumar Jain	Chief Executive Secretary
6	Sh. Mithilesh Kr. Mishra	Technical Officer (SS)
7	Sh. Kanchan Kr. Tiwari	Assistant Registrar

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Sl. No.	Name of Employee	Designation as per RPN
8	Sh. Ranjeet Banerjee	Assistant Registrar
9	Sh. Vivek Nagar	Assistant Registrar
10	Sh. Niranjan Kumar	Assistant Registrar
11	Sh. Ajay Kumar Tiwari	Technical Officer
12	Sh. Abhinaba Basu	Technical Officer
13	Dr. Kaushlesh Dwivedi	Medical Officer (On Contract)
14	Dr. Sonia Agarwal	Medical Officer (On Contract)
15	Sh. Lok Nath Sharma	Assistant Registrar (Security Office)
16	Sh. Mukesh Rawat	Superintendent
17	Sh. Prashant Kumar Srivastava	Technical Superintendent
18	Sh. Anil Bhadauria	Assistant Engineer
19	Sh. Yogesh Kardam	Junior Technical Superintendent
20	Sh. Vivekanand Sinha	Junior Technical Superintendent
21	Sh. Durgesh Kumar	Junior Technical Superintendent
22	Sh. Santosh	Junior Technical Superintendent
23	Sh. Gaj Raj Singh	Junior Engineer
24	Sh. Akhilesh Kumar	Junior Engineer
25	Sh. Siva Kant Tripathi	Junior Engineer
26	Sh. Satya Prakash Sahu	Junior Engineer
27	Sh. Rajeev Kr. Bhatia	Junior Superintendent
28	Sh. Sanjay Kumar	Junior Superintendent
29	Sh. Sunil Kashyap	Junior Superintendent
30	Sh. K. S. Aeron	Junior Superintendent
31	Ms. Sweta Gupta	Junior Superintendent
32	Ms. Ankita Jaiswal	Junior Superintendent
33	Sh. Brijesh Kr. Pandey	Junior Superintendent
34	Sh. Rajendra Singh Bisht	Junior Superintendent
35	Sh. Sandeep Kumar Keserwani	Junior Superintendent
36	Mohd. Saleem Ansari	Junior Superintendent
37	Ms. Asha Shukla	Junior Superintendent
38	Sh. Shailendra Singh	Junior Technical Superintendent
39	Sh. Kaushal Kr. Singh	Junior Technical Superintendent
40	Sh. Ashutosh Shukla	Junior Technical Superintendent
41	Sh. Rajit Ram Yadav	Junior Technical Superintendent
42	Sh. Himanshu Pandey	Junior Technical Superintendent
43	Sh. Sanjiv Kumar	Junior Technical Superintendent
44	Sh. Santosh Kr. Mishra	Junior Technical Superintendent
45	Sh. Sarvesh Kr. Mishra	Junior Superintendent



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Sl. No.	Name of Employee	Designation as per RPN
46	Sh. Atul Tripathi	Junior Superintendent
47	Ms. Jagriti Bajaj	Junior Superintendent
48	Ms. Archita Rai	Junior Superintendent
49	Sh. Neeraj Srivastava	Junior Superintendent
50	Mrs. Priya Pal	Staff Nurse
51	Mrs. Blessy Anie Shaiju	Staff Nurse
52	Dr. (Mrs.) Pallavi Dixit	Junior Technical Assistant
53	Sh. Subhash	Senior Assistant
54	Sh. Vinod Narayan Tripathi	Senior Assistant
55	Mohd. Izhar	Senior Assistant
56	Sh. Pankaj Srivastava	Junior Assistant
57	Sh. Girish Kumar Dixit	Junior Assistant
58	Sh. Pankaj Mishra	Senior Assistant
59	Sh. Kapil Srivastava	Senior Assistant
60	Sh. Pramod Narayan Tripathi	Senior Technician
61	Sh. Abhishek Pandey	Senior Assistant
62	Sh. Sumit Kumar Shukla	Senior Assistant
63	Sh. D N Shukla	Junior Assistant
64	Sh. Manish Khare	Senior Assistant
65	Sh. Santosh Kr. Yadav	Junior Assistant
66	Mrs. Pratibha Verma	Junior Assistant
67	Sh. Nilendra K. Tripathi	Junior Assistant
68	Sh. Abhishek Kumar	Junior Assistant
69	Mrs. Prabha Verma	Junior Assistant
70	Mrs. Ritu Srivastava	Junior Assistant
71	Sh. Manoj Kumar Upadhyay	Junior Assistant
72	Sh. Deep Narayan Das	Junior Assistant
73	Sh. Raj Kumar Rawat	Driver
74	Sh. Satish Kumar	Driver
75	Sh. Swantantra Kumar Dwivedi	Attendent



Consultants

S. No.	Consultant	Designation
1.	Dr. R. Dayal	Chief Medical Officer
2.	Dr. M. D. Mishra	Medical Officer
3.	Dr. Sonia Agrawal	Medical Officer
4.	Dr. K. S. Pandey	Homoeopath
5.	Dr. Kaushlesh Dwivedi	Medical Officer
6.	Dr. Pritima	Lady Medical Officer
7.	Dr. Ashok Kumar Singh	Night duty Doctor
8.	Mr. Rohan Gupta	Legal Counsel, High Court, Allahabad
9.	Mr. Sanyat Lodha	Legal Counsel, Supreme Court , New Delhi
10.	Mr. Subedar Singh	Legal Counsel, District Court, Allahabad

