



**Ajeenkya D Y Patil University,  
Pune, India.**

**The innovation University**

# Annual Report 16-17



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## FROM THE PRESIDENT

Dear students and parents,  
I feel a great happiness to see that we have witnessed another vibrant year of innovation last academic year 2016-17 and put one step ahead towards our goal of becoming one of the best universities in the world.

It is our incessant attempt to bring in innovation to improve the quality of education delivered in India because only through the delivery of quality education to the people we can eliminate problems like poverty and ignorance and can make everyone's life better and happier. Our aim is to create a high quality human resource needed for this nation and the world to lead the humanity on the path of peace, progress and success in the time to come.

We have adopted a 360-degree approach and applied innovation at each step: we have designed our curriculum on the global standards, put up world-class academic infrastructure, collaborated with many best global universities for activities like student exchange etc. We have been arranging guest lectures by renowned international professors from all over the world to deliver the best to our students, our libraries are fully equipped with the latest knowledge and technology, and we have got a close connection with the local and international industry to bring our students better opportunities in life. Thus ADYPU is a fully-equipped arena of career preparation where you get not just a degree, but you get ready and fully prepared to lead your life the way you need and want.

We not only create world-class professionals but in addition we shape their personalities into great human beings by inspiring them to uphold the religion of love for the betterment of the whole humanity and communicate with the world in the language of heart.

# SCHOOLS AND COURSES

ADYPU offers a variety of programs of great value through its 7 different schools under its canopy which include School of Design, School of Engineering, School of Management, School of Film and Media, School of Law, School of Information Technology, and School of Hotel Management. Each school offers bachelor's degrees, postgraduate programs or Master's programs and diploma courses of shorter duration offering our students variety of options to gain knowledge as they need and want. Have a look at the courses from each school.

**School of Design** offers following 6 major programs: Bachelor of Design (Automobile design), Bachelor of Design (Product design), Master of Design (Automobile), Postgraduate Diploma in digital modeling, Master of Design Engineering (Product design), Master of Design (Computer interaction design).

**School of Engineering** offers 6 programs including B. Tech in Computer Engineering, B. Tech in Biomedical Engineering, B. Tech in Mechatronics Engineering, B. Tech in Biotechnology Engineering, M. Tech in Automotive Product Engineering, and M. Tech in digital manufacturing.

**School of Management** offers 16 different courses which include B.B.A. in Financial Services, B.B.A. in international business, B.B.A. in Financial services and CMA, B.B.A. in Logistics and Supply Change Management, B.Com (Honors) CMA integrated, MBA in Banking and Financial services, MBA in Business Analytics, MBA in International Business, MBA in Digital Marketing and e-commerce, MBA in Supply and Chain Management, MBA in Healthcare and Hospital Management, and many other certificate programs.

**School of Film and Media** offers programs which include B.B.A. in New Media, B.B.A. in Media and Communication, B.B.A. in Film and Media, MBA in Business Innovation and Strategy, MBA in Media and Communication.

**School of Law** offers courses which include Integrated Bachelor of Legislative Law, Bachelor in Legislative Law (LLB), Master of Law (LLM), and a few other postgraduate courses in law.

**School of Information Technology** offers following courses: BCA (in Cloud Technology and Information Security), BCA (in Mobile application and Cloud Technology), B. Tech (in Cloud Technology and Information Security), B. Tech (in Mobile application and Cloud Technology), B.Sc (in Animation and VFX), B.Tech IT (Data Science), Bachelor of Computer Applications (BCA).

**School of Hotel Management** offers courses which include Bachelor of Hotel Management (BHM), B.Sc. in Culinary Arts, Diploma in Hotel Operations.

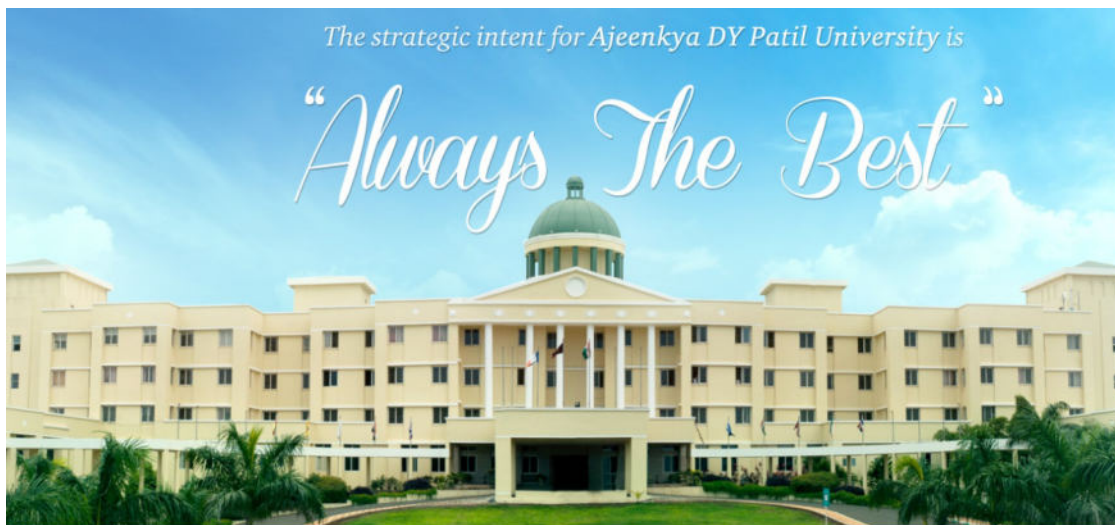
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# STRATEGIC INTENT: ALWAYS THE BEST

*The strategic intent for Ajeenkya DY Patil University is "Always The Best".*

In the coming five years, ADYPU will be recognized as one of the top 10 institutions in the country for academic excellence in teaching, research and quality of service. The guiding terms for us shall always be Inspiration, Intuition, Imagination and Innovation. To achieve the strategic intent, ADYPU is committed to:

- Create and disseminate knowledge through a range of high-quality academic programs in a student-centered learning environment emphasizing intellectual achievement and employability.
- Work through a matrix of four imperatives in all academic and research pursuits, viz. what is desirable to people, what is feasible through technology, what is viable for business and what is good for society and the environment.
- Create an enabling environment of freedom and responsibility, which stimulates the intellectual capacity of students, faculty and staff to create opportunities for personal and professional growth.



Our past accolades are accompanied by a great responsibility towards our students. We are dedicated to living up to our acclaim by working diligently with you to assure that we are a world class institution – a place where students are engaged, involved, concerned and prepared for lifelong practice in their respective fields.

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# INNOVATIVE APPROACHES TO TEACHING AND LEARNING AT ADYPU

At ADYPU, since the commencement of the university, we have adopted an innovative approach to the process of teaching and learning. We consider the right approach to teaching and learning is very vital on the path of academic progress of a student and the institute. Success of an academic institute lies in the success of its students. Academic institutes need to go beyond mere theoretical methodology of learning. The learning at ADYPU is not only based on theory but it is much more practical and pragmatic, strategic and skill-based, global and local. Students here learn not only from books but from the essential practices and experiences inherent to the industry. How do they learn that? Off course, through advanced pedagogic methodology, frequent interaction with the industry professionals, listening from the practical experiences of these professionals, and many more.

## Inculcating in you a team-spirit – the need of the time

Here is an example of our law school which organizes every year a few **team building exercises** for students. This offers students an opportunity to learn to work in teams and develop an ability to work in a multi-people and multi-cultural atmosphere. An ability to work in teams is considered a very vital and essential skill for a student in addition to his academic

knowledge. The world today is run by huge corporate entities and everywhere in today's multinational work-culture employees need to work together in teams. Many times it happens that employees are intelligent but they can't work in a team and that is no use for the organizations.

**Law students being delivered an exercise on team spirit and team building at ADYPU on August 21, 2016.**



Employees must have and exhibit a positive team-spirit if the organizations have to succeed. A single individual, however brilliant he or she is, can't be successful in his life unless he can comfortably and smoothly work with multiple people at a time in today's multinational and multicultural work scenario. With this approach all school under ADYPU canopy conduct exercises to inculcate among the students an ability to work together in teams. The exercises are full of ingenious and strategic practices which help improve the team spirit among our students which helps them become successful in their lives. These exercises prepare a professional to acquire inter-personal communication skills, ability to understand different types of personalities and deal with them from time to time, and the most important skill – an ability to work with juniors and seniors, few and more members.



The impact of this kind of capacity building has been found very positive among students. Students have been found at ease and performing better under stress. For example, in a moot-court where we have conflicting teams presenting and performing against each other, students who have undergone such exercises have shown better performance than the ones who just read and studied law. Students with gigantic knowledge but without an ability to work in team are no fit for professional world. We at ADYPU equip our students with all essential skills needed in the professional life today like professional knowledge and skills and other additional skills like communication skills, an ability to work in team, time-management etc.

## **Practical Approach to Teaching and Learning at ADYPU**

**Practice is the most important aspect of any stream of knowledge and practical knowledge is vital for students who are going to be tomorrow's human resource of this nation. We at ADYPU create world-class human resource by delivering our students practical education in their respective areas. In addition to classroom teaching, practical approach to studies is the most merited virtue of our university. Each profession has certain essential practices which students need to be proficient in to become successful in their career and life. We expose our students to those essential practices.**

For example, **we organize industry visits for our engineering students at the beginning of each academic year** so that they know how the real industry is and how they need to work. The early induction of students to this practical world also gives them more time to get ready, face problems and find solutions. The same is true for the school of law and other schools in ADYPU. Students from law-school undergo many enriching activities like **industry visits, seminars, moot-courts, lectures by eminent lawyers and legal professionals etc.** This all helps a student to immerse in the industry faster and emerge as a strong professional in his or her life.

Law students visited a family court in Pune to understand the structure and working of the family court. Prof. Arundhati Bhale organized the event on 18<sup>th</sup> Nov 2016 to help students gain a practical insight into the family court.



One of such noteworthy activities for a lawyer is '**Legal drafting and pleading**', an activity which defines the career trajectory of a lawyer. "We at ADYPU consider teaching drafting and legal pleading as the soul of success for a legal professional" says Dr. Yuvraj Patil, the head of the department of school of law at ADYPU. The same approach of practical work is extended to the students of Film and Media school where students actually design their own newspapers, magazines, tabloids and other print-media formats. Students are divided into teams and each team gets a task with a certain-schedule and they complete the task in that schedule. Students get the real feel of the tasks which they have to face in real industry.

**Informative seminars and lectures by successful industry professionals are organized at ADYPU for students each year** to get



extensive information on various aspects of their career and course. For example, the school of law conducted many guest lectures and seminars last year (2016- 2017) which includes **a seminar on 'Overview of Constitutional Law'** by Dr. Mukund Sarda, (Director of faculty of law, Bharati University, Pune) a



guest lecture on 'Consumer Protection Act' by Sharad Madake, a seminar on 'Intellectual Property Rights' by Ms. Smita Pandey, a seminar on 'Jurisprudence' by Adv. Dahiwal, and a career guidance seminar on 'Company Secretary Program'. All such additional guest lectures and seminars help our students to remain updated to new trends and recent changes in the industry.

Adv. Vaibhav Solunke conducting a workshop on 'Cyber Law' at the School of Law in ADYPU on 27 Jan 2017.



## Mr. Jethmalani inaugurates the state-level moot court competition at ADYPU

Arranging and participating in a moot-court event is a unique learning method and opportunity for the students of school of law. Moot-court goes beyond the static method of learning law by books and dwells on the platform of practical application of laws and legal procedures.



March 10, 2017 was one more memorable day in the history of the school of law at ADYPU campus when no less a personality than **Mr. Ram Jethmalani**

**inaugurated the state level moot court competition** and made the event most memorable by his esteemed presence. The state-level moot-court competition was arranged by Ajeenkya D Y Patil

University in its campus where law students from 6 different eminent colleges in Pune registered their participation. It was an event of great excitement and learning for all students of law who were the part of this competition. ADYPU is in the vanguard of innovative teaching and learning methodologies and this event delivered a great inspiration for the students to work harder in order to succeed in their profession.



A moment of the moot court competition at the auditorium

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## Guest Lectures and Workshops by International Faculty

ADYPU has unique 360-degree approach to teaching and learning process. Teaching and learning processes are complex and incorporate in them a number of activities and interventions. Guest lecture or workshop by international faculty is such an event which provides students a great inspiration and learning. We at ADYPU have a strong connection with the global universities and world-class academia. Imminent professors and leading industry professionals from all over the world come to ADYPU campus to deliver their lectures or conduct workshops on various areas of knowledge and deliver our students a global vista of learning and career opportunities.

The lectures by foreign faculty offer world-class knowledge to our students. Students get to know the global trends in their respective fields of learning. They try to learn something new and innovative which makes them not more competitive and productive. Like every year, last academic year saw many guest lectures by eminent professors from some renowned universities in the world.



**Professor Koos Eissen from Netherlands** is one of the most senior and highly respected academicians in the field of design education. He is best known for his world-famous book named '**Sketching: Drawing Techniques for Product Designers**' which has sold more than 50,000 copies the world over. Koos has been in teaching profession for greater than 15 years and has produced many famous designers under his guidance like **Adrian van Hooydonk** (Director of BMW Group Design) and **Laurens van den Acker** (Senior Vice President of Renault Corporate Design).



**Koos** conducted a series of sessions for three weeks for Foundation year students on Design Drawing. He conducted an intense sketching workshop with the students covering sketch-work on product design to automobile design along with rendering techniques using Makers and pastels. It was a life-time opportunity for any budding design student to learn from **Koos Eissen** himself and the students of the foundation year were the luckiest ones to receive this great bonanza of knowledge.

**Professor James Woudhuysen** has been a regular visitor to ADYPU for last many years. He is a Professor in Forecasting and Innovation at De Montfort University, Leicester. A St. Paul School scholar and physics graduate, he has a knack of registering trends before other people, and offering counter-intuitive proposals on what to do about those trends.

(image here)

He conducted a workshop for a week at ADYPU with the final year students of Design on the topic of Trend analysis and Forecasting. Known for his unique teaching methods and energetic personality, he always makes a strong impression on the students and it was nothing different with the current batch of students either.

**Professor Sang Koo** conducted sessions for 4 weeks at ADYPU for our M. Des. (Automobile Design) students from first year course. He conducted lectures on advanced 2-D communication. Following his sessions, students learnt basics of automobile design sketching and rendering which improved the skills of our students.



Professor Sang Koo is born in Seoul, Korea. He is a BFA from Seoul National University, School of Arts, MFA from Hong-Ik University Graduate School and Ph. D. from Seoul National University Graduate school. He began his career as a Designer with the Design Research Center, Kia Motors and is at present, Chief Professor, Dept. of Automotive Design, Kookmin University. He is also the Board member of Korea Society of Automotive Engineering and Chief of automotive design research committee in KSAE.

**Mr. Gregory Hill-Young** is a senior designer at General Motors Europe Frankfurt in Germany. He is a student of US based College of Creative Studies (CCS). Currently he is responsible for components in a small team for Opel as Lead Designer on insignia components. He helped bring forth a successful product as a part of Opel's renaissance.



**Mr. Gregory Hill-Young** has been a visiting faculty for DYPDC for past 3 years now. Following his expertise and knowledge in Interior design, he **conducted a Design studio on Automotive Interiors** with the second year students of B.

Des in Automobile. During his 3-week workshop, the students learnt various aspects of Automobile Interior design right from cabin design to components and detailing. Apart from the design aspects, Mr. Gregory also introduced some different methods of rendering and illustrations, for which he brought tools and stationery along with him from Europe and at the end he gifted it to the students at ADYPU.

**Professor Dr. Azza Silotry Naik** from School of Biotechnology and Bioinformatics, D Y Patil University, Navi Mumbai conducted a workshop in the month of April 2017 on 'Food Technology'. **This workshop was based on the various aspects of food biotechnology.** The workshop covered various areas like the actual work of the food biotechnologists, the various fields of work after the course completion, the places where an entrepreneur can think to invest and various government posts available. The professor discussed key aspects on food technology including food biotechnology, bio fortification, food processing and various career options available after the completion of the degree. The workshop benefitted students as it guided on applications of food technology and various career options available for them in future.



**Workshop on Importance of Ergonomics in Vehicle Designing:** **Sougata Karmakar** has been a regular visiting faculty at DYPDC and he teaches **Ergonomics and its importance in vehicle design**, an important subject in automobile design and engineering. This subject delivers knowledge on the relation between

human use of machines (and automobiles) and the design. He works at IIT Guwahati and visits ADYPU two to three times a year.

(image)

**Dr. Karmakar** conducted sessions for a week on the Basics of Ergonomics and its importance in Vehicle design. The students from B. Des. foundation year, second year and M. Des. first year of Automobile design and Product design got this opportunity to attend the sessions which enriched their knowledge in terms of the value of ergonomics in industrial design.

**Workshop on Teaching Learning Skills: Ashish Wakde**, Learning and Development Consultant from Mindful Mantras conducted a workshop for the engineering students in the month of September 2016. This workshop was of colossal importance for both teacher and students at ADYPU because it helped teachers get groomed on various methodologies of teaching and it also helped students understand the basics of effective learning. It delivered the vital information over the goal-based coaching approach to be incorporated in the educational system. The workshop covered information on the correlation among many aspects including academic, social, behavioral, health, cognitive and a few others which affect the teaching-learning process. The students learned the technique of making the best out of all opportunities provided to them by the university. The workshop imbibed among students how to focus on their studies and participate in all meaningful and constructive activities in life.

(image here)

**Workshop on Food Technology: Dr. Debjaani Das Gupta**, a member of Board of Management of ADYPU and the director of DY Patil School of Biotechnology, Navi Mumbai conducted a workshop on '**Food Technology**' in the month of January 2017. The workshop focused on the different technologies evolving around the world in the fields of food and medical biotechnology. This workshop covered a few details of bioinformatics and also parts of food biotechnology. The key areas covered in this workshop were **processing large biological data, gene mapping, areas of food biotechnology and genetic similarities** of organisms.



(Image here)

**Workshop on Personalized Medicine: Dr. Somnath Tagore**, a professor from Bar-Ilan University conducted a workshop on the topic '**Personalized medicine: yesterday, today, and tomorrow**' on February 6<sup>th</sup>, 2017. This workshop covered the domain of the current upcoming sector of personalized medicine. The workshop focused on the advantages of medicines developed as per the need of the particular patient. It provided an insight of the happenings in industry. The key areas were include **dosage variations, DNA analysis and faster treatment**.



**Workshop on Development of Entrepreneurship:** Irati Arrien Jauregi, Inigo Iturrioz Linarez, and Nerea Garcia Lopez representing 'Wake Your Way Foundation' conducted a workshop on 'Entrepreneurship' in the month of February 2017. The workshop delineated the entrepreneurial initiative introducing dynamic learning techniques among the youth. The training program covered key areas including **Find your Element, Teamwork and Leadership, Creativity, Entrepreneurship, Innovation and Pitching.**



**Workshop on Design Thinking:** Anil K Ghaste conducted a workshop on 'Design Thinking' in the month of March 2017 for ADYPU students from Design and Engineering schools. The workshop illustrated students the basics of innovative thinking and the importance of developing an eye of an engineer. The workshop delivered information on the role of an engineer in the process

of innovation and how he or she can implement the innovation from simple to complex tasks. Mr. Ghaste explained on Design thinking, Design software and Innovation.

**Workshop on Ethical Hacking:** ADYPU School of Engineering organized two days national workshop on 'Ethical Hacking'. The workshop was a part of 'TECHVRIDDHI-17', an initiative by Entrepreneurship Cell, IIT Kharagpur in association with



Technospecies Global Solutions. Mr. Gautam Gupta, from the 'TECHVRIDDHI-17' team, gave hands-on training on the concept of hacking from the basic to the advanced level. 17 students participated in this workshop. Dr. Rakesh Afre and Dr. Biswajeet Champaty were the faculty co-ordinators for this event.

## Industrial Visits, Projects and Workshops

Teaching and learning is multi-faceted process, it is a process based on many activities like reading from the books, watching others perform practical tasks, participating workshops and working on the tasks in reality, and working on innovative projects. It is not just limited to books, libraries and laboratories, it goes beyond. Much more part of quality education lies in real-life industry and practical work and experience gained out of it. At ADYPU, we make it a point to expose our students to many such occasions to learn beyond the precincts of usual processes.

In the year 2016-17 many such activities were organized which developed among students a practical insight into industry and markets. Visits to **VIGYAN ASHRAM** at Pabal near Pune and **FIAT INDIA AUTOMOBILES Private Limited** at Rajangaon (near Pune) provided our students the best of industry-related



practical experience. One day visit was conducted for B. Tech first year students on August 19, 2016 to get hands-on experience on various machines and techniques like **3D printing, Laser cutting, Gobar gas plant, Solar cells, Rain water harvesting, Biofuels etc.** This benefited the students to understand the impact of engineering solutions in a global, economic, environmental, and social context and developed their early abilities to understand the concept of "how things work". Prof. G B Pokale was the faculty co-ordinators for this event and was assisted by Dr. Rakesh Afre and Dr. Biswajeet Champaty.

On September 21, 2016, M.Tech students from Automotive Product Engineering and Digital Manufacturing visited FIAT India Automobile Pvt. Limited, Rajangaon M.I.D.C, Tal Shirur, Pune. There were total 7 students and one faculty member accompanied with them. The objective of the visit was closely associated to their academic syllabus, which comprises vehicle system architecture, designing,



assembly and construction details. It also encapsulated introduction to digital manufacturing, various methodologies implemented for boosting up the manufacturing and enhancing production technology. Prof. Prabir Chakraborty was the faculty co-ordinators for this visit.

(Image here)

In an attempt to expose students to gain practical experience, many innovative in-house projects under the guidance of professors are conducted at the ADYPU campus every year. The Design School at ADYPU organized a project titled **Pullracer** in which **the students had to modify a two-wheeler** from one modular type to the other. **This project offered students an opportunity to work practically on creating new designs for the bikes out of the available resources with them.** Under this project, the most effective work was accomplished by one of the students at Design School, **Mr. Tejas Manek** who successfully designed and fabricated with his own hands a Café racer. He used a Pulsar 200 and transformed it into a café racer. He worked at the ADYPU



Design School workshop under the guidance of faculty members at the school.

(The café racer designed by Tejas Manek)



## ADYPU – A HOME FOR RESEARCH IN VARIOUS FIELDS

ADYPU campus abounds in various activities like conducting research, paper-publications, authoring books etc. We at ADYPU encourage research in all its forms that may include market-based research for management students or automobile-related research for design students, or research related to engineering and other fields. In fact, conducting research is a mainstream activity for students of all higher professional courses at ADYPU. Research is an inherent part of the whole process of education. You find the most conducive atmosphere to conduct research at ADVPU. Professors at ADYPU take the lead in conducting and publishing research and provide motivation to the students. Last year (2016-17) many professors and students from various schools at ADYPU participated in different research activities.

Writing research papers and working on doctorates is an important part of the overall research activity. Students from all different schools including the Law, Engineering, Design, Management, Film and Media and other schools at ADYPU have exhibited a positive spirit in conducting research on various areas. Professors and students participated in various research activities conducted in the year 2016-17.

One of the professors from the School of Film and Media **Ms. Manju Raghuwani** completed her doctorate degree (Ph. D.) and got the award in May 2016. She was awarded the degree by Savitribai Phule Pune University for her doctoral thesis titled '*A Comparative Study of Managerial Perception and Corporate Social Responsibility Initiatives in the Engineering and Information Technology Sector in Pune District-(2001-2008)*'. She has been guided and mentored by Dr Sharad Javdekar. In addition to her Ph.D., Ms. Rughwani also published two research papers. Her paper titled '**Exploratory Study of Arts & Heritage as Corporate Social Responsibility Practice in India**' was presented at an international conference held at Puna Institute of Management Sciences and Entrepreneurship and another paper named '**The Changing Trends of Film Adaptations in Bollywood**' was presented at a national conference organized by Department of English of Poona College of Arts, Commerce and Science.



**Prof. Ms. Pragati Hivarkar**, a Professor from the School of Management, accomplished a doctorate from R.T.M Nagpur University last academic year (2016-17). Her thesis is related to e-learning, a newly emerging domain in IT sector with a great scope in the field of education. She worked on the thesis titled 'Analytical Study Of Role Of Interactive Learning Management System And Other Modern Teaching Learning Aids In The Empowerment Of Students Of Secondary Schools Of Amravati District'.



**Prof. Dhanya KA** from the School of Law presented a **paper at the National Conference on 'Competition Law and Policy: Problems and Prospects'** organized by Indian Law Institute and Competition Commission of India, New Delhi on 18th and 19th March 2017 and **presented a paper titled 'Regulation of Competition Issues in the Telecommunication Sector: Jurisdictional Interface between CCI and TRAI'**.

**Dr .KKS R Murthy** Associate Professor, ADYPU School of Law published a paper titled '**Fiscal transformations and protagonist approach of the Rule**' in International Journal of Academic Research, ISSN: 2348-7666, Vol. 4, Issue – 1 (8), January, 2017. pp 168-175.

Dr K K S R Murthy presented another **paper titled 'CSR: a social risk or a societal task'**, at ICSSR, New Delhi. The institute sponsored two day national Seminar on '**Corporate Social Responsibility In India – Emerging Issues and Challenges**' on 3rd & 4th February 2017 organized by the Department of Management, Kakatiya University, Warangal, Telangana State. The paper was published in ISBN No: 978-93-85101-45-8. pp 328-332.





**Dr. Yuvraj Dilip Patil, Professor at the School of Law, published an article in July 2016 titled ‘Euthanasia and death with dignity’ in the journal of Krishna institute of Medical Sciences University (JKIMSU), Vol-5, No-3, July-Sept 2016, ISSN 2231-4261 indexed science abstract, Indexed Scopus, peer reviewed**



**Dr. Biswajeet Champathy, a Professor at School of Engineering, ADYPU published a research paper based on signal and image processing track and titled as “Effect of Cannabis consumption on ANS and conduction pathway of heart of Indian paddy field workers” received the best IEEE research paper of the year 2016 award at INDICON-2016.**

**Mr. Abhijeet Powar, a Professor at School of Information Technology published two papers titled ‘A Study and Implementation of Load Balancing and Fault Tolerance on a Network Having Web Servers Running Windows Server 2012 Using NIC Teaming’ and ‘CLOUD LABS: A cost efficient approach for conduction of lab practices in Educational Institute’.** The first paper focuses on how to enable web server to handle huge amount of web traffic using an innovative approach on NIC teaming and it was published in **International Journal of Scientific Research and Education (IJSAE)**. The second one discusses a completely new approach to tackle the problem of cost efficiency to organize lab practices for educational institutes by implementing remote cloud labs. He published this paper in **International Journal of Application or Innovation in Engineering & Management (IJAIEEM)**.





**Ms. Teja Bhutada**, a Professor at School of Information Technology published her two ingenious research papers titled '*An implementation of genetic algorithm approach to solve carpool service problem using cloud computing*' and '*Survey of Reliable PIN confirmation for ATM's using Smartphone and Wearable Devices*'. The first paper discusses solution to the problem of increased congested traffic in major cities in India. The second paper deals with improving security of the existing ATM or point-of-service terminals using QR codes and wearable devices like Google Glass. She published both the papers in **International Journal** of advanced research in

Computer science and management studies.



**Mr. Chandan Prasad**, a professor from the School of Information Technology, was credited with publication of 10 different research papers. He either wrote some of these papers himself or assisted his students to compose them. Following are the papers published under his guidance: **1) Women Warrior: Secure, Smart & Safe Women's Application, 2) Review of Parking Management Structures & Tactics, 3) Enhanced Automated and Secure Parking Structure & Tactics, 4) ACADV: An Automatized Concept for Advancement in Farming, 5) Waste Dispo: An Enhanced Approach for Waste Disposal, 6) Review of Runtime Enforcement of Memory Safety in C Programming, 7) Review of Diabetes Management**

**System & Tactics, 8) Review of Accident Reporting and Prevention System, 9) Accident Alert and Vehicle Tracking Mechanism, 10) SAMBAV: An Approach for Automatization of Accident Reporting System.** He published all the articles in International Journal of Innovative Research In Electrical, Electronics, Instrumentation And Control Engineering (IJIREICE). Mr. Chandan Prasad proved himself as the most prolific professors for research activity over the year 2016-17.

**Dr. Amol B. Kasture**, a Professor from the School of Information Technology, published two papers on innovative software applications. The first paper is titled as '*Mechanism of Enhanced Software-Defined Radios to Provide Base for Cognitive Radio System*'. This paper was published in International Journal of Innovative Research in Computer and Communication Engineering Journal (IJIRCCE Journal - [www.ijircce.com](http://www.ijircce.com)) and it focuses on cognitive radio system which enhances the concept of software engineering. The second research paper is titled as '*A Conceptual Study on Detecting and Solving Issues by Getting Direct Remote*



**Assistance through Connectivity'**. This paper discusses the concept of remote access and tools to monitor issues in IT field.

**Ms. Shripadha Sathish**, Professor at School of Information Technology, published two papers named **'Trust Variable Factor : A Trust based method to detect misbehaving nodes in MANET (Mobile ad hoc Network) and 'Trust and Behavior Based System to Prevent Collision in IoT Enabled VANET (Vehicular ad hoc Network)'** She published her first paper in an international journal **'International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT)'** - ISBN: 978-1-4673-9939-5 and the second paper at an **International conference on Signal Processing, Communication, Power and Embedded Systems, Scopes-2016.**



**Dr. Pragati Hivarkar**, Professor at School of Information Technology, worked on two papers titled **'Women Warrior: Secure, Smart & Safe Women's Application'** and **'Security Analysis In Virtualization'**. She published the first paper in 'International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering'. The paper proposes a secure, smart and safe android application for the safety of women with more enhanced features. The second paper titled 'Security analysis in virtualization' deals with the issues in virtualization and how to improve the security level using virtualization. She published this paper in a journal named

**'Emerging Trends for Excellence in Management and Information Technology'**.



In addition to his two research papers last academic year (2016-17), **Dr. Amol B Kasture**, a Professor in the School of IT, **authored an important book related to programming** titled **'Python Programming'**. The book was published by Success Publications (ISBN No;- 978 - 93-24457-14-3).

## Research Papers by students

Ability to conduct research is the most merited activity in almost all fields of life. In addition to their academic studies, Students at ADYPU are encouraged to publish their research papers which immensely help in their career growth. Students who have participated in research publication get better opportunities in industry worldwide. At ADYPU we provide them the best platform, opportunities and inspiration to enable them to become researchers in their lives. Following students published their papers last academic year (2016-17).



Ms. Pallavi Gulik, a student of L.L.M. course published a research paper titled '**Legal rights of the mentally challenged and aged beggars in India**' under the guidance of Dr. Yuvraj D. Patil.



Ms. Anjali Jachak, a student of L.L.M. course published a research paper titled '**Criminal liability of an owner, members and employees in industrial pollution cases**' under the guidance of Dr. Yuvraj D. Patil.



Mr. Ashish G. Barve, a student of L.L.M. course published a research paper titled '**DNA Test In Rape Cases-Provisions Under The Code Of Criminal Procedure, 1973**' under the guidance of Dr. Yuvraj D. Patil.



Kingsly Agyekum, a student of L.L.M. course published a research paper titled '**No foreigners bachelors and students allowed on rent plight of foreigners in India**' under the guidance of Dr. Yuvraj D. Patil.



**Shankar S Pawar**, a B. Tech Student from the School of Information Technology, published his paper titled '**A Conceptual Study on Detecting and Solving Issues by Getting Direct Remote Assistance through Connectivity**' in an international journal 'International Journal of Scientific Research and Education'. His paper has got an impact factor of 6.039.



**Saurabh Sharma**, a B. Tech Student from the School of Information Technology, published his paper titled '**Survey of Reliable PIN confirmation for ATM's using Smartphone and Wearable Devices**' in an international journal 'International Journal of Advance Research in Computer Science and Management Studies'. His paper has got an impact factor of 6.04.



**Roshani Jagtap, Arti Pal, and Sagarika Rao** (Photos from the left to right), BCA (II Semester) students from the School of Information Technology, published a paper titled '**Security Analysis in Virtualization**' at a National Conference

on 'Emerging Trends for Excellence in Management at MIT College of Engineering (MIT COE)'. They worked in a team to accomplish their task.



**Aishwarya Rao, Shubham Mandhare** (Photos from the left to right), BCA (II Semester) students from the School of Information Technology, published a paper titled '**A study & Implementation of Load Balancing and Fault Tolerance on a Network having Web Servers running Windows Server 2012 using NIC Teaming**' in International Journal of Scientific Research and Education (IJSRE). The paper has got an impact

factor of 6.039.





**Vikrant Chatole** (B. Tech Sem II) and **Rohit Divan** (BCA Sem IV), (Photos from the left to right), students from the School of Engineering, published a paper titled '**CLOUD LABS: A cost efficient approach for conduction of lab practices in Educational Institute**' in an international journal 'IJAIEM'. The paper has got an impact factor of 7.319.



**Niranjn Gavade, Vinit Palande and Aniket Mahajan** (from left to right), BCA and B. Tech Sem II, students from the School of IT, published a paper titled '**Review of Parking Management Structures & Tactics**' in an international journal 'IJIREEICE'.

The paper has got an impact factor of 5.359.



**Vikrant Chatole, Hitesh Pogade and Aniket Mahajan** (from left to right), BCA and B. Tech Sem II students from the School of IT, published a paper titled '**Enhanced Automated and Secure Parking Structure & Tactics**' in an international journal 'IJIREEICE'. The

paper has got an impact factor of 5.359.



**Dilip Singh, Anushka Shehnavat, and Ankit Kumar Singh** (from left to right), B. Tech Sem II, students from the School of IT, published a paper titled '**ACADV: An Automatized Concept for Advancement in Farming**' in an international journal 'IJIREEICE'. The

paper has got an impact factor of 5.359.



**Vargese Daison, Anvesh Dhumal and Adesh Dalvi** (from left to right), BCA First year Sem II students from the School of IT, published a paper titled **'An Enhanced Approach for Waste Disposal'** in an international journal **'IJIREEICE'**. The paper has got an

impact factor of 5.359.



**Abhishek Bhosale, Sankalp Biyani and Sushant Manjare** (from left to right), BCA First year Sem II students from the School of IT, published a paper titled **'Review of Runtime Enforcement of Memory Safety in**

**C Programming'** in an international journal **'IJIREEICE'**. The paper has got an impact factor of 5.359.

**Fiza Shaikh and Vanshika Srivasava** (BCA and B. Tech Sem II), students from the School of IT, published a



paper titled **'Review of Diabetes Management System & Tactics'** in an international journal **'IJIREEICE'**. The paper has got an impact factor of 5.359.



**Shankar Pawar, Ajay Barkade and Samruddhi Kulkarni** (BCA and B. Tech Sem II), students from the School of IT, published a paper titled **'Review of Accident Reporting and Prevention System'** in an international journal **'IJIREEICE'**. The paper has got an impact factor of 5.359.



**Saurabh Sharma, Shubham Tendulkar and Samruddhi Kulkarni** (BCA and B. Tech Sem II), students from the School of IT, published a paper titled '**Accident Alert and Vehicle Tracking Mechanism**' in an international journal 'IJREEICE'. The paper has got an impact factor of 5.359.



**Samruddhi Kulkarni, Vaibhav Zapke, Priyanka Jadhav** (BCA First year Sem II) students from the School of IT, published a paper titled '**SAMBAV: An Approach for Automatization of Accident Reporting System**' in an international journal 'IJREEICE'. The paper has got an

impact factor of 5.359

Minerva Sarma, Anushka Kumar, Aditi Joshi and Etisha Gurav published chapter no.1 in the book named 'Text To Speech Scanner for Visually Impaired Persons' in the book titled 'Design and Development of Affordable Healthcare Technologies', IGI Global, USA, p-112-122, 2017.

**AJEENKYA** | **THE INNOVATION UNIVERSITY**  
D Y PATIL UNIVERSITY

**Research Paper published in International journal**  
**"TEXT TO SPEECH SCANNER FOR VISUALLY IMPAIRED PERSON"**

**Mode of Publication:**  
**Book Chapter**

**Guide:**  
**Dr. Biswajeet Champaty**

**Book Name:**  
**Design and Development of Affordable Healthcare Technologies**

**Publisher: IGI Global, USA**  
**(International peer-reviewed Scopus indexed)**

**Minerva Sarma Anushka Kumar Aditi Joshi**

Adwit Natu, Shubham Nandi, Kshitij Raje and Komal Meena published chapter no.1 named 'Wearable Wrist Band for Health Monitoring and Prognosis' in the book titled 'Design and Development of Affordable Healthcare Technologies', IGI Global, USA, p-202-214, 2017.



**AJEENKYA** | THE INNOVATION  
D Y PATIL UNIVERSITY UNIVERSITY

## Research Paper published in International journal

**"WEARABLE WRIST BAND FOR HEALTH MONITORING AND  
PROGNOSIS"**



**Adwait  
Natu**



**Shubham  
Nandi**

**Mode of Publication: Book Chapter**

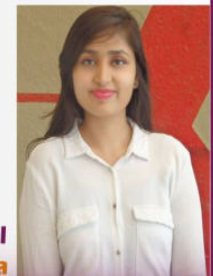
**Guide: Dr. Biswajeet Champaty**

**Book Name: Design and Development of  
Affordable Healthcare Technologies**

**Publisher: IGI Global, USA  
(international peer-reviewed Scopus indexed)**



**Kshitij  
Raje**



**Komal  
Meena**

## GLOBAL ENGAGEMENT

ADYPU has a unique strategy of education and global engagement is the part of the strategy. Today quality of education is defined by global trends in education. Leading global economies like USA, UK, Germany, Australia etc. change and modify the global production and marketing trends and industries in the world follow the suit. New knowledge related to technology, engineering, marketing and production systems, energy, etc. is generated every year by the leading global economies and other emerging economies have to follow the suit. Businesses have grown global and it is essential on the part of students in this age of multinationals to keep themselves updated and to get all latest knowledge in their respective fields. We know the importance of this aspect in education and we have already created systems to deliver our students the best of global experience. We are tied-up with many leading universities in the world and we collaborate with them to help deliver the excellent education to our students.

### Globally Recognized Academic Frameworks:

We have incorporated globally recognized educational systems to help us delivering quality education to our students. The courses delivered in our schools are based on the globally acknowledged accreditation systems including **Accreditation Board of Engineering and Technology (ABET, USA)**, **Computing Science Accreditation Board (CSAB, USA)**, National Association of Schools of Arts and Design (**NASAD, USA**), and the Subject Benchmark Statements as provided by the **Quality Assurance Agency (QAA), UK**. This adds value to the education we deliver to our students as the students earn degrees based on global accreditation systems.

### Student Exchange Programs:

ADYPU offers you a passport to the world of education and makes your profile global in real terms. We are tied up with several universities in USA, Canada, UK and other countries for **student exchange programs (SEP)** under which you can avail of an opportunity to study in these developed and 'great' nations of the world. This delivers you a rare experience of learning different things in different ways. You get to learn new languages, new methods of learning, new people, their cultures, and most importantly, during this process you create your global network that supports you in future. In addition, the credits for your studies are transferred to ADYPU which add to the completion of your degree. Very few universities in India can bring you this rare opportunity.

### On-Campus International Faculty:

In addition to the guest lectures by experienced and eminent global faculty, we have appointed excellent international faculty at our campus. You can learn from full-time international faculty with a lot of real-world experience. International faculty brings you the most sought after global understanding which helps you build your career on strong footholds.

### Student Exchange Programs in 2016-17

ADYPU organizes many student exchange programs for students from different courses every year. Last year (2016-17) ADYPU organized two important Student Exchange Programs (SEP) for her students. One was organized with **Kookmin University, South Korea** and the other one was organized with UCLC, USA. Our two students students, Harkaranvir Singh and Deepak Sunaran from the B. Des. (in Automobile Design) have been shortlisted for this exchange program wherein they will spend a complete semester (from August 2017) in Seoul, attending the Transportation Design course at the Kookmin University. An opportunity to learn Korean design methodology and an international exposure will do a world of good to these two young candidates.



Another important SEP was organized under the **Leadership Development Program** with University of South Carolina Aiken (USCA). Earlier an MOU between ADYPU and USCA was signed to organize a Student Exchange Program for their 12 students. Accordingly, ADYPU students visited the university for a two-week SEP on Entrepreneurship or Leadership Development program organized by the faculty at USCA. The students from ADYPU had a great opportunity to learn from the international faculty and they could visit many important places related to American industry and media where they got information over some multinational companies and their working. They could also interact with many students from USCA giving them an opportunity of creating their network globally which can help them build their career tomorrow.



(Student from ADYPU when they visited CNN headquarters at Atlanta, South Carolina in USA)



## STUDENT EXPERIENCE

**ADYPU is a university of unique experience which consists of quality education, inspiration, innovation, motivation, development of technical skills and above all, inculcation of good human values to make you a perfect and all-rounded person in your life. You get here academic, technical and general experience of each hue and color. ADYPU offers you ambrosia of all positive and vibrant experiences. Life here is full of energetic and deep experiences which help change you for better forever.**

You need to manage your time at ADYPU to enjoy and participate in all different activities conducted at the campus. In addition to your academic lectures, there are many more practical and extra-curricular activities that you may participate in and get energetic to lead your life on the path of progress. We arrange a number of such programs and activities which give you an additional enthusiasm to break your daily routine and make you energetic to pursue your education and your goal. In addition to dance and sports events in each semester, we arrange a mega-event known as 'Detour' every year for our students. The Detour offers our students a great opportunity to search the hidden talent and unrevealed potential in their personalities to make their lives more meaningful and happy. The following pictures witness the zeal of the event.



## WINNING AWARDS AND HONORS AT ADYPU

Since we encourage our students to participate in varieties of activities ranging from academic research to cultural and sports activities, naturally the awards and honors follow the hard-work of our students. Every year students at ADYPU bag many awards and honors for their achievements. Last year (2016-17) many students from ADYPU accomplished various awards and honors for their achievements in various fields like engineering, design, law, media etc. Find the details given below. In addition to students, professors at ADYPU are also engaged in research and related activity and they too bag awards each year delivering a sound motivation to their students. Look at the few awards and honors conferred on the ADYPU students and teachers.

**Dr. Biswajeet Champaty**, Professor at the school of engineering at ADYPU won an **ISER-Young Scientist**



**Award 2017 by International Society for Engineers and Researchers, Vienna Austria.** Dr. Biswajeet Champaty, Professor at the school of engineering at ADYPU won another award for his research paper titled '**Effect of Cannabis consumption on ANS and conduction pathway of heart of Indian paddy field workers**' received the **best IEEE research paper of the year 2016 award at INDICON-2016 in signal and image processing track.**

**Ms. Manju Raghuwani**, one of the professors from the School of Film and Media completed her doctorate degree (Ph. D.) and got the award in May 2016. She was awarded the degree by Savitribai Phule Pune University for her doctoral thesis titled '*A Comparative Study of Managerial Perception and Corporate Social Responsibility Initiatives in the Engineering and Information Technology Sector in Pune District-(2001-2008)*' She has been guided and mentored by Dr Sharad Javdekar.



**Achievements by Students from Design School:**

John Manjaley and Mohammad Zaid won accolades for ADYPU School of Design, and this time it was an honor bestowed upon by one of the stalwarts in automobile industry in India, Tata Motors. Tata Motors announced an automobile design contest and our automobile design students participated in the contest. Four students, **Mohammad Zahid, Arun Jayamohan, John Manjaley and Mehul Katheria**, successfully entered the first round of the 10 finalists. In the final and decisive round two of the four finalists won the first and the second prizes. John Manjaley was the winner of the contest who won a cash-prize of Rs. 1,00,000 and an internship offer from Tata Motors. Another student Mohammad Zaid stood as the second runner-up winning a cash prize of Rs. 40,000. In addition to this win, one of the major highlights of the final round was **Arun Jayamohan**. Overcoming his hearing and speech impairment, Arun gave a very impressive presentation, which not just got him a standing ovation from Mr. Pratap Bose himself but also landed him an internship offer from Tata Motors.



**Ms. Anushka Kumar and Ms. Minerva Sarma**, B.Tech first year students were selected for **summer internship at Department of Biotechnology and Medical Engineering, NIT-Rourkela** from May 22, 2017 to July 15, 2017 based on their academic performance.



**Ms. Anushka Kumar and Ms. Minerva Sarma** from B.Tech first year were selected for **summer internship at Department of Biotechnology and Medical Engineering, NIT-Rourkela** from May 22, 2017 to July 15, 2017 based on their academic performance.

**Sharanya Nair** BA LLB (First Year) secured **best researcher award** in the State level moot court competition organized by ADYPU School of Law on 10th March 2017



Sharanya Nair, LLB (First Year ) receiving the **Best Researcher Award** from Adv. **Pooja Patil**, one of the judges for the Moot Court competition in **DTOUR 2017** organized by ADYPU in Feb 2017.



Apratim Dey, LLB ( 1st Year ) receiving his prize from the Director Mr. Hridaysh Deshpande as he **secured second position in Quiz competition in DTOUR 2017** organized by ADYPU in Feb 2017.



Mazhar Alam, LLB ( 1st Year ) receiving his prize from the Director Mr. Hrridaysh Deshpande as he **secured the first prize in 400 mtr. running.** He also bagged the **second position in long jump** in **DTOUR 2017** organized by ADYPU in Feb 2017.



**Rishabh Agarwal,** LLB student ( 1st Year ) receiving his prize from the Director Mr. Hrridaysh Deshpande for his participation in **Singing competition** in **DTOUR 2017** organized by ADYPU



**Adwait Natu, B.Tech** (First Year) student receiving **Popular Singer Jury award** from the Director Mr. Hrridaysh Deshpande for his performance in **Solo Song competition in DTOUR 2017**.



**Shubham Nandi, B.Tech** (First Year) receiving his prize from the Director Mr. Hrridaysh Deshpande for his participation in **S Song competition in DTOUR 2017** organized by ADYPU in Feb 2017.



**Md. Shafi K P, B.Tech** (First Year) student receiving **the Second prize** from the Director Mr. Hrridaysh Deshpande for his performance in **Badminton in DTOUR 2017** organized by ADYPU in Feb 2017.



**Swarnendu Ghosh**, B.Tech (First Year) student receiving his **prize** from the Director Mr. Hrridaysh Deshpande for his performance in 'Just a minute' in **DTOUR 2017** organized by ADYPU in Feb 2017.



Shashwat Shrivastav, Prassanna Sancheti, Aquib Kapoor and Anushka Kumar, B.Tech (First Year) students receiving their awards for **Group Dance event** from the Director Mr. Hrridaysh Deshpande of ADYPU in Feb 2017.



**Chirag Uppal** –First Year Student of MBA in Business Innovation & Strategy—has bagged the first runner up for **the competition—The CEO Search**.

**Zainul Lamak and Sonakshi Upadhaya**- First Year Students of MBA-Media & Communication have won the **First Runners Prize--For Blitzkrieg—A Case Study Competition**.

Both the events were organized by Sinhgad Group of Institutions College Fest- Karandak Spectrum on February 12 & 13. The students were mentored by Dr Makarand Joshi.

**Akruti Agarwal**- The second Year BBA student in Media & Communication was one of the top ten finalists for Oppo Fresh Face 2017 event organised by media companies in association with Pune Times.

Award winners: Design School:





## NEW INITIATIVES

**At ADYPU we ceaselessly attempt to harness world-class systems and infrastructure to bring our service delivery to the global level of excellence. In each domain including teaching and learning, research, administration, extra-curricular activities, IT infrastructure and many more, we have been introducing innovative practices, processes and ideas to improve the quality of education delivered.**

Last year, as a part of our new initiatives we introduced a novel concept which can help our students wherever they move in the world. We introduced **National Academic Digital Depository** for our university students under digital India campaign. National Academic Depository (NAD) would be an online store-house of academic awards (degrees, diplomas, certificates, mark-sheets, etc.) lodged by the University in digital formats. The system would be accessible online 24\*7 in order to make academic awards available for students and hence it would help validate the authenticity of those documents with their safe storage and retrieval.

One more important system the university initiated last year was the Result Declaration through **the university ERP system**. The system is dedicated to display academic results (following the student examinations) through a specially designed online ERP software. The students get their individual login and they can access their accounts to see the records related to attendance, time-table, session-plan, assignment completions, test-scores etc. This system saves for them their valuable time and keeps them updated on their performance as and when they want.

### **Session plan peer review process:**

This is an innovative process which brings in efficiency in the academic system and ensures quality education for our students. We launched this system during 2016 - 17. Under this system, the professors prepare their session plans for their students for an academic year and each professor in a team of a school seek suggestions on his or her session-plan from other professors to make it more efficient. This improves his or her session performance through a better level of knowledge delivery

### **Implementation of the process of 'Student Consent':**

This is one more innovative strategy to improve academic performance, bring in transparency and greater level of accountability in the process of assessment. By this system a professor calls each student and declares the result to the student. The professor answers queries of students if the students ask them any question over the results. The professor gives students explanation for the student's doubts and queries and further gets the student's consent for the results declared. Thus **this system ensures a fairness and transparency in the assessment system**. There remains no need of revaluations (as conducted by other universities which waste a valuable time and money of the students). **This system also ensures the protection of the student's right to get his doubts clarified**. This process makes professors answerable for their evaluations and helps students improve their performance in the evaluation process. Students know how to get prepared in a better way for their examinations. This system has helped students at ADYPU to improve their grades.

## CONVOCATION CEREMONY-2016

The convocation ceremony, which was held in the university auditorium at ADYPU campus on Friday, December 2, 2016, was one more memorable program in the life of the university and its students. Many great personalities graced the occasion to guide and motivate the students for their future life and career.

Mr. Prataprao G. Pawar, Chairman of Sakal Media Group graced the chair of **the Chief Guest** and delivered the convocation address. **Dr. David G. Pollard**, High Commissioner from the Cooperative

Republic of Guyana to the Republic of India was invited for the occasion as the **Guest of Honor**. He inspired students with his address. The president of ADYPU, **Dr. Ajeenkya D Y Patil** delivered a deeply motivating address on this prestigious occasion. In addition, there were eminent personalities from the field of education, industry, social and political spheres. The ceremony began at 2 PM and it was concluded



at 7 PM on the same day.