## Aurora's Degree & PG College

(Accredited By Naac With 'B++' Grade) Chikkadpally, Hyderabad 500020



#### Annual Report 2019-2020 Criteria 6

Aurora's Degree and PG College was established in the year 1989, by our dynamic consortium secretary, Dr. Ramesh Nimmatoori, who founded Aurora Educational Society and established a Degree College. When Aurora Degree College was founded in Habsiguda in 1989, with only four departments, sixty-two students, and a small faculty, it was regarded as a watershed year in the history of Indian education. In the year 1992, our college had shifted its venue to Chikkadpally. Since then the college has been constantly progressing with its vision in making "Aurora Synonymous with learning".

Currently ranked in the top fifty colleges in the nation, Aurora is well-known for its comprehensive approach to student development and high caliber of instruction. Education in Aurora is more than simply classroom instruction; it goes beyond curricula and textbooks. It seeks to shape each student's individuality by helping them build their character. We proudly acknowledge that our college has stuck true to its mission i.e., "To serve the nation as a Centre of Learning for the advancement and preservation of knowledge". Over the years, the college has mentored hundreds of highly competent and driven students to thrive in their different professions and serve society. This has been made possible by the relentless efforts it has made over the years, all with the sole goal of providing high-quality education.

The year 2019 had a total of 4,378 students enrolled in the UG programmes and 493 students enrolled in the PG programmes of our institution. The importance of faculty knowledge in higher education cannot be emphasized. Students benefit from the years of experience and expertise that knowledgeable faculty members bring to the classroom. Our college has a total of 134 faculty members on a full time contract basis. Each faculty member recruited to our institution has received extensive training and qualification to mentor students using their areas of expertise, which is a critical factor in determining the outcomes of students.

The college was accredited with a B++ Grade in 2018 by NAAC. The college adheres to an efficient curriculum delivery model that is in line with Osmania University's recommended curriculum. The college offers a total of 10 courses at the undergraduate level. The UG programmes of our college include Bcom courses, BBA course, and BSc courses which comprise of both life sciences and physical sciences courses as well.

In accordance with UGC guidelines, the Internal Quality Assurance Cell was established in our college as a mechanism to build and ensure a quality culture at the institutional level. The IQAC is meant for planning, guiding and monitoring Quality Assurance (QA) and Quality Enhancement (QE) activities of the college.Throughout the academic year, the IQAC made a number of noteworthy contributions, which are detailed below:



- 1. Workshop on UGC CARE journals identification and improving citations.
- 2. Research workshop on Molecular docking and protein visualization.
- Faculty Development programme on Art of writing & publishing research paper and application of statistical tools.
- 4. Workshop on Online Teaching Methodologies.
- 5. Workshop on Self defense techniques.

A total of 330 participants benefited from quality initiatives during the year.

At the college level, seminars, workshops are a practical approach to teaching students about a topic in a detailed manner to keep the students aware and updated about the work culture, technologies changes/advancements happening in the industry. It is also an opportunity for continuous professional development of faculty to improve their teaching skills. This year, around 26 Workshops/Seminars were organized on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices. They are as listed below

Title of workshop/seminar	Name of the Dept.
Research Methodology	Research and Development Cell
Faculty Development Program on Intellectual Property Rights	IQAC
Two Day Workshop on DNA isolation by Bio Axis Ltd	Microbiology
Workshop on molecular biology techniques, Vasavi Hospital	Microbiology
A seminar on API and Regulations	Research and Development Cell
Role Of Statistical Inference In Decision Making	Statistics
A seminar on Science and Technology - Rural Development	Biochemistry
Two Day Workshop on Statistical Tools using SPSS on Research	Statistics
Two Day Workshop on Data Science in colloboration with webtek labs	Statistics
Ramanujans Life History	Mathematics
Two Day Workshop on Matlab	Mathematics
Two day Ethical Hacking Cyber Security Workshop	Computer Science



COVID-19 Perspective and prospective clinical research	Microbiology	
Impact of COVID-19 on Stock Market	Commerce	
Coagulopathy in COVID 19: Is thrombosis the real culprit?	Microbiology	
Online Software Tools for Remote Teaching Learning	Computer Science	
Intellectual Property rights	IQAC	
Introduction to deep learning and its applications to astronomy.	Mathematics	
Current Trends in Nanotechnology- Nature Inspired Surface Engineering	Physics and Electronics	
Tough time don't last, tough people do	Management	
Ethical Hacking	Computer Science	
Two Days Art of Writing Publishing Research Paper and Applications of Statistical Tools	Computer applications	
Information And Misinformation during Covid19 Crisis	English	
Pros Cons of Digital Banking workshop	Commerce	
Two Day Molecular Docking and Protein Visualization	Genetics	
Applications of Statistics in Banking Domain (Webinar)	Statistics	
Business Analytics Implementation on Cloud Platform	Management	
Right to Information	Management	

Our faculty are recognised for their incredible achievements and milestones in their teaching careers. This year one of our faculty members was awarded with a prestigious award recognised by the government for his contribution in the field of education. He also received an incentive from the college. A total of five faculty members from the departments of Commerce,



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Management, Biotechnology, Second Languages, Chemistry of our college were awarded PhDs during the academic year.

In the field of research and development our college promotes high participation of our faculty to take initiatives to improve the quality of education. A total of 38 papers were presented by our faculty members at Seminars and Conferences, 8 at the International and 30 at the National level.

Our college also published five papers on an international level under Research Publications in the Journals notified on the UGC website during the year from the departments of Biochemistry and Microbiology. Our faculty members published 30 Books and Chapters in edited Volumes / Books published, and papers in the National/International Conference during the year. One from the department of Biotechnology, four from the department of Biochemistry, one from the Department of English and one from the Department of Genetics, two from the Department of Commerce, nine from the Department Computer Science, two from the Department Electronics, eight from the Department of Second Languages, one from the Department of Chemistry and one from the Department of Statistics.

Our faculty members were invited as resource persons to visit as resource persons with one at national level, one at state level seminars and workshops.

Our organization is a firm believer in Extension programs that develop students into leaders of social change and offer long-lasting answers to societal issues. Participating in outreach initiatives has instilled a spirit of altruism and selflessness among the student body. It fosters social responsibility, develops the whole person, and raises knowledge of social issues.

In this regard especially our college has organized 1 and participated in 6 extension activities during the academic year 2019-2020. These activities were in collaboration with esteemed bodies like the My Choice Foundation, Andhra Vidyalaya High School and Osmania University through NCC/NSS, etc. A total of 66 faculty and students were a part of these activities.

A MoU is an agreement between two institutions for Academic, Cultural, Sports, Extra Curricular Exchange Program, Skill Development, Outcome Based Training, Placement & related services. Our college signed two MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the year. The organizations of our MoUs are Physitech Electronics and Q Technologies with 36 students and faculty under them.

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Aurora's Degree & PG College was established in the year 1989, by our dynamic consortium secretary, Dr. Ramesh Nimmatoori, who founded Aurora Educational Society. The year 1989 was considered as the landmark year in the history of the education field in India when Aurora Degree College was started with just four Departments, sixty-two students and limited faculty members, at Habsiguda. In the year 1992, our college had shifted its venue to Chikkadpally. Since then the college has been constantly progressing with its vision in making "Aurora Synonymous with learning". Today, Aurora happens to be one among the top fifty colleges in our country with a wide reputation for its quality of learning and a holistic approach towards grooming the students. Not just limited to the classroom-teaching, education in Aurora spans beyond curriculum and textbooks. It aims at developing character and thus molding the personality of each student. We proudly acknowledge that our college has stuck true to its mission i.e., "To serve the nation as a Centre of Learning for the advancement and preservation of knowledge". The efforts that the college has been relentlessly applying with the sole motto of offering high quality education through the years has helped in mentoring thousands of highly competent and motivated students to excel in respective fields and serve the society.

The year 2018 saw a total of 1,522 students enrolled in the UG programmes and 421 students enrolled in the PG programmes of our institution. Regarding higher education, the significance of faculty expertise cannot be overstated. Expert faculty members bring years of experience and knowledge to the classroom, enriching the learning experience for students. Our college has a total of 180 faculty members on a full time contract basis. All the faculty members appointed in our institution are well qualified and trained to mentor students with their expertise which inturn plays a crucial role in shaping students' holistic personality.

The college was accredited with a B++ Grade in 2018 by NAAC. The college offers a total of 12 courses at both undergraduate and postgraduate levels. The UG programmes of our college include Bcom courses, BBA course, BA course and BSc courses which comprise of both life sciences and physical sciences courses as well.

The college follows an effective curriculum delivery pattern in congruence with the curriculum prescribed by Osmania University. The academic year 2018-2019 had seen a pass percentage of about 95% overall. In accordance with UGC guidelines, the Internal Quality Assurance Cell was established in our college as a mechanism to build and ensure a quality culture at the institutional level. The IQAC of our college organizes quality improvement programmes every year for faculty and students in various dimensions such as curriculum design, teaching and learning, assessment and evaluation, training in emerging topics, research and publications, training in ICT applications, and personality development programmes.



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Our Internal Quality Assurance Cell conducted three Quality Initiatives during the year for promoting quality culture. These initiatives were conducted for a duration of two days in the month of October and five days in the month of July where about 250 participants were benefitted.

The IQAC made significant contributions in the academic year which are listed as follows:

- 1.NAAC Visit Suggestions Review Preparation for AQAR
- 2.Installation of NewGenLib Software in library
- 3. Appointment of External Audit Team

4. Internal Audit

5.Faculty Development Programs

Workshops and Seminars hold great importance in a student's life. It is also an opportunity for faculty to improve their teaching skills and may enhance it with more add on that they learnt in a particular workshop. This year, around 13 Workshops/Seminars were organized on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year which includes: five workshops and eight seminars.

Title of workshop/seminar	Name of the Dept.	Date
A Seminar on Balanced diet for teaching fraternity	Mathematics	14/06/2018
A Seminar on programming language and its application	Computer science	25/08/2018
A Workshop on android applications and development	Computer science	07/09/2018
Awareness program on Bystander life support(BLS)	Mathematics	28/09/2018
A Seminar on Career guidance for life sciences Students	Genetics	26/10/2018
Seminar – Cyber security Awareness	Computer science	03/11/2018
A Seminar on software testing	Computer science	09/11/2018
A Seminar on Modern cryptography	Computer science	13/11/2018
Talk on challenges faced by middle age women	Mathematics	22/12/2018



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A Seminar on middle age women in balancing healthy lifestyle	Mathematics	22/12/2018
Workshop on the eve of National Science day	Physics and Electronics	28/02/2019
A Workshop on SPICMACAY	Commerce	04/01/2019
A Seminar on GST	Commerce	11/01/2019
A Seminar on Suicide prevention and befriending skills	Genetics	19/01/2019
A Seminar on Nutrition and Health	Biochemistry	26/01/2019
A seminar on various techniques used in molecular biology and DNA fingerprinting technology	Microbiology	06/02/2019
Workshop on Hardware Computer Networks	Computer science	08/02/2019
Consumer awareness program	Commerce	09/02/2019
A Seminar on Gaming technologies	Computer Science	23/03/2019
Academic summit on Eminence of biosciences in carving research oriented future	Microbiology	25/03/2019
Workshop on PCB making Process in collaboration with NSIC	Physics and Electronics	08/04/2019
A Seminar on International Day against drug abuse and Illicit Trafficking	Microbiology	26/06/2019
Awareness program on Polycystic ovarian syndrome	Mathematics	28/09/2019



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Our faculty members are recognised for their incredible achievements and milestones in their teaching careers. This year two of our faculty members were awarded with prestigious awards for their contribution in the field of education. One of our college faculty members from the Department of Biochemistry was awarded a PhD.

In the field of research and development our college promotes high participation of our faculty to take initiatives to improve the quality of education. A total of 30 papers were presented by our faculty at National level Seminars and Conferences. Our college also published 12 papers on an international level under Research Publications in the Journals notified on the UGC website during the year, from the departments of Second Languages, English, Biochemistry and Chemistry. Our faculty members published three Books and Chapters in edited Volumes / Books published, and papers in the National/International Conference, two from the Department of Biochemistry and one from the Department of English.

Our faculty members were invited as resource persons to two national level, nine state level and two college level seminars and workshops.

Our college also conducted numerous extension activities during the academic year 2018-2019. The basic objective of extension activities is to create social awareness amongst the students by providing opportunities to work with people, get awareness and knowledge of social realities, to have concern for the welfare of the community and engage in creative and constructive societal development

In this regard, our college organized 10 activities in collaboration with prestigious bodies like the Election commission, Osmania University and other Government bodies as well as NCC/NSS units. The faculty and students were also encouraged to participate in various extension activities which added up to a total of 14 activities, out of which four were at the national level and ten at the state level.

An MoU is an agreement between two institutions for Academic, Cultural, Sports, Extra Curricular Exchange Program, Skill Development, Outcome Based Training, Placement & related services. Our college signed seven MoUs with institutions of national & international importance, other universities, industries, corporate houses etc. during the year. Some of the organizations of our MoUs include Sanjeevani Blood Bank, ITC, Azure skynet Technology, etc.

The college also provided students an opportunity to be a part of a student exchange programme which was conducted for a period of five days.



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The year 2020 saw a total of 4465 students enrolled in the UG programmes and 421 students enrolled in the PG programmes of our institution. Regarding higher education, the significance of faculty expertise cannot be overstated. Expert faculty members bring years of experience and knowledge to the classroom, enriching the learning experience for students. Our college has a total of 109 faculty members on a full time contract basis. All the faculty members appointed in our institution are well qualified and trained to mentor students with their expertise which inturn plays a crucial role in shaping student outcomes.

The college was accredited with a B++ Grade in 2018 by NAAC. The college offers a total of 12 courses at both undergraduate and postgraduate levels. The UG programmes of our college include Bcom courses, BBA course, BSc courses as follows

The college follows an effective curriculum delivery pattern in congruence with the curriculum prescribed by Osmania University. The academic year 2020-2021 had seen a pass percentage of about 97% overall. Our Internal Quality Assurance Cell conducted three Quality Initiatives during the year for promoting quality culture. These initiatives were conducted for a duration of two days in the month of October and five days in the month of July where about 250 participants were benefitted. The IQAC made significant contributions in the academic year which are listed as follows.

1)Review of AQAR1, AQAR2 for Preparation of AQAR3

2) Implementation of LMS through Microsoft Teams

3) Reinforcing Campus Placement Training

4) Internal Audit



5) Faculty Development Programs and Workshops on Latest Technologies.

The IQAC of our college organizes quality improvement programmes every year for faculty and students in various dimensions such as curriculum design, teaching and learning, assessment and evaluation, training in emerging topics, research and publications, training in ICT applications, and personality development programmes.

This year, around sixty three programmes were organized which includes: five workshops, eight seminars, and extension activities Two hundred and eighty two organized by our college at various levels. Two thousand and seventy six Students participated in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. One hundred and sixty four Collaborative activities for research, Faculty exchange, Student exchange/ internship.

Our college signed six MOUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the year.



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The year 2021 saw a total of 2264 students enrolled in the UG programmes and PG students enrolled in the PG programmes of our institution. Regarding higher education, the significance of faculty expertise cannot be overstated. Expert faculty members bring years of experience and knowledge to the classroom, enriching the learning experience for students. Our college has a total of 104 faculty members on a full time contract basis. All the faculty members appointed in our institution are well qualified and trained to mentor students with their expertise which inturn plays a crucial role in shaping student outcomes.

The college was accredited with a B++ Grade in 2018 by NAAC. The college offers a total of 12 courses at both undergraduate and postgraduate levels. The UG programmes of our college include Bcom courses, BBA course, BSc , Bsc with Data Science , B.Com Business Analytics and BBA Business Analytics courses are implemented.

Our college understands the role of skilled youth towards economic development of the country. We firmly believe that it is very important to train the youth with the set of skills which provides them the strength for being contributors in technological innovation and entrepreneurship. To facilitate in reducing the gap between academics, research and entrepreneurship the college has Aurora's Centre for Innovation, Incubation & Entrepreneurs which works in coordination with R & D Cell and Entrepreneur development cell. The faculty and students participate in various activities organised by the abovementioned center and cells. The Aurora's Centre for Innovation, Incubation & Entrepreneurs and MOU with Osmania Technology Business



Incubator towards implementing a high quality, systematic and consistent process of skill enhancement for increasing the competencies of our students enabling and empowering them to innovate and incubate their research and entrepreneurship ideas. The center conducts wide-range of activities for the students at our college. The departments conduct certificate courses, add-on courses, student enrichment programmes, seminars, exhibitions for inspiring and motivating the students to share their ideas in open forum. The students take up internships for developing the skill set required for the Job.

The college follows an effective curriculum delivery pattern in congruence with the curriculum prescribed by Osmania University. The academic year 2021-2022 had seen a pass percentage of about 96% overall. Our Internal Quality Assurance Cell conducted three Quality Initiatives during the year for promoting quality culture. These initiatives were conducted for the benefit of the participants. The IQAC made significant contributions in the academic year which are listed as follows.

- 1) Review of AQAR1, AQAR2, AQAR3 for Preparation of AQAR4
- 2) Implementation of LMS through Microsoft Teams
- 3) Reinforcing Campus Placement Training
- 4) Internal Audit
- 5) Conferences, Faculty Development Programs and Workshops on Emerging Technologies.
- 6) Implementation of ERP

The IQAC of our college organizes quality improvement programmes every year for faculty and students in various dimensions such as curriculum design, teaching and learning, assessment and evaluation, training in emerging topics, research and publications, training in ICT applications, and personality development programmes.

This year, around Twenty five programmes were organized which includes: workshops, seminars, and extension activities . Sixteen papers were published by the faculty .Two hundred and eighty two organized by our college at various levels . Two thousand and seventy six Students participated in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. One hundred and sixty four Collaborative activities for research, Faculty exchange, Student exchange/ internship . Thirty faculty members have enrolled for Ph.D . Two faculty members have enrolled themselves for guiding Ph.D.

Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year National Service Scheme The college has benchmarked through its community development activities and hence the two NSS units of the college have complemented the education process in Aurora. National Service Scheme provides diversified opportunities to students in colleges and universities to develop their personality through community services. The overall objective of National Service is educational, its motto being "Not me but you". The cell has 200 NSS Volunteers and 2 Programme Officers for the academic year 2021-2022 linking between campus to community in various community welfare and awareness programmes.



Our college signed Three MOUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the year.



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The year 2022 saw a good total number of students enrolled in the UG programmes and students enrolled in the PG programmes of our institution. Regarding higher education, the significance of faculty expertise cannot be overstated. Expert faculty members bring years of experience and knowledge to the classroom, enriching the learning experience for students. Our college has a total of 84 faculty members on a full time contract basis. All the faculty members appointed in our institution are well qualified and trained to mentor students with their expertise which inturn plays a crucial role in shaping student outcomes.

The college was accredited with a B++ Grade in 2018 by NAAC. The UG programmes of our college include Bcom courses, BBA course, BSc , B.Com Business Analytics , BBA Business Analytics, BSc Data Science courses.

The college follows an effective curriculum delivery pattern in congruence with the curriculum prescribed by Osmania University. The academic year 2022-2023 had seen a pass percentage of about 95% overall. Our Internal Quality Assurance Cell conducted Quality Initiatives during the year for promoting quality culture.

The IQAC made significant contributions in the academic year which are listed as follows. 1)Review of AQAR1, AQAR2, AQAR3, AQAR 4 for Preparation of AQAR5

- 2) Reinforcing Campus Placement Training
- 3) Internal Audit
- 4) Faculty Development Programs and Workshops on Latest Technologies.



The IQAC of our college organizes quality improvement programmes every year for faculty and students in various dimensions such as curriculum design, teaching and learning, assessment and evaluation, training in emerging topics, research and publications, training in ICT applications, and personality development programmes.

This year, around sixty Four programmes were organized which includes: three workshops, one seminars, three FDP'S and ten Guest lectures . Seventeen Students have participated in Seminar conducted . Six students have attended webinars , Seven students have attended Guest lectures , Five students have attended Workshops and Twelve Faculty have attended FDP'S.

