



Estd. 1921

ST AGNES COLLEGE

(AUTONOMOUS)



CENTRE FOR POST GRADUATE STUDIES AND RESEARCH
Mangaluru-575002

Re-accredited by NAAC with 'A+' Grade -2017 (CGPA 3.65/4)

College of Excellence by UGC, New Delhi

Star College Status under DBT, New Delhi.

Celebrating a Century of Education & Service



Post Graduate Courses

Prospectus
2020 - 2021

For Boys & Girls



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HISTORY

St. Agnes College, Mangaluru, Karnataka is one of the leading First Grade Colleges for women in South India. It is a Catholic minority institution founded by Mother Mary Aloysia A.C. in 1921, and managed by the Sisters of the Apostolic Carmel. Though it was founded primarily for the education of Catholic women, it has reached out to all sections of women in society. Over the years, it has grown steadily in strength and infrastructure and has withstood the vicissitudes of time and lived up to the challenges posed by changes in Higher Education. All the while the institution has kept aloft its banner declaring that '**God is our Strength**'. The focus now is on student-centered learning, throwing open new avenues of study and specialization and designing challenging courses to suit the student community.

VISION OF THE COLLEGE

Holistic education for excellence and transformation

MISSION OF THE COLLEGE

St Agnes College is committed:

- To provide youth with value based, socially relevant and globally competitive education
- To create a God-centered atmosphere for spiritual growth
- To strengthen the faith life, especially of the Catholic staff and students
- To respect life and uphold dignity of every person and promote human rights
- To nurture eco-consciousness as an integral part of education
- To collaborate with all stakeholders to ensure a culture of quality



PATRON

St. Agnes, the Virgin-Martyr is the patroness of this Institution. Her purity of life, modesty, truthfulness and steadfastness are the virtues which our young women are called to live out in their lives.

AUTONOMY

To promote academic excellence in teaching and research, the Management of St. Agnes College has accepted the status of academic autonomy for the College from the year 2007-08. In the autonomous set up, the college is free to frame its own syllabi for the various courses and adopt suitable innovative methods of Teaching, Learning and Evaluation. The University of Mangalore confers the degree to the qualified candidates presented by the College. The government will continue to provide financial assistance in this set up. With autonomy, the College will be at liberty to teach job-oriented subjects and promote service oriented activities as also to conduct examinations and announce results within the prescribed structures of the Semester pattern.

POST GRADUATE PROGRAMMES

PG Programmes started in the year 2008 with Masters in English and Psychology and gradually reached a sense of completeness in many directions. Post-Graduation in Commerce was introduced in 2009. The Science Faculty which was newly added in 2010, started with general Chemistry and Clinical Psychology (a paramedical course affiliated to Rajiv Gandhi University of Health Sciences). M.Sc Big Data Analytics was introduced in 2019. The Post-Graduation Centre has its own large building with spacious classrooms, library, research centre, laboratories and other infrastructure facilities on the beautiful campus of Mercara Hill Road, Mangaluru.



Ever since its inception the emphasis has been on critical and creative thinking in order to bring up competent, confident and committed citizens of India. The autonomy has ensured that there is a great student-teacher interaction. A constant assessment of students in semesters and semester- end examinations is a basis of award of degrees. The PG centre trains students for the all- round development of their mental, physical, aesthetic, social and spiritual growth. It aims at the integral formation of its students; helping them to become men and women with concern for others in the society.

TEACHING, LEARNING AND ASSESSMENT:

Teaching occurs via lectures, colloquium presentations, case analysis, assignments, interactive sessions, paper style presentation, project work with dissertation guides, study tours and internship programmes. All courses are 'team-taught' and are guided by academic staff in their areas of expertise. Assessment methods include written examinations, oral presentations, viva- voce and a research project.

St. Agnes Centre for Post Graduate Studies and Research is a Co-educational Institution which prepares boys & girls for P.G. courses in:

- Masters of Arts in English
- M.Sc. Psychology
- M.Sc. Clinical Psychology
- Masters in Commerce (M.Com.)
- M.Sc. Chemistry
- M.Sc. Big Data Analytics





MASTER OF ARTS IN ENGLISH

Salient Features:

- Academically Comprehensive and Holistic in approach.
- Cutting edge in terms of competence and skills.
- Syllabus includes Contemporary relevant papers such as Cultural Studies, Children's Literature & British Literature, Indian Writing & Indian Literature in Translation & English for specific purposes.

Eligibility:

Candidates who have passed the three- years B.A. degree examination of Mangalore University or any other University considered as equivalent there to with English as a major/optional/special subject are eligible for the programme provided they have secured a minimum of 50%

in English (45% of SC/ST/Category-1 candidates).

Candidates who have passed the three-year degree examination in any other discipline with the respective English language/ literature as a major subject or first/ second language/ Additional English are also eligible provided they have secured not less than 60% marks in the aggregate in the respective minor subject first/second language/ Additional English.

These are to be equated with the marks of Optional English (the cognate subject) as follows:

- 60% in English as first/second language is equal to 45% of Optional English (the cognate subject).
- 60% in English as minor subject/ additional subject is equal to 48% Optional English (the cognate subject).



NOTE: Candidates with English as a vocational subject, even if this be one of the three cognate subjects at the degree level, are not eligible on the basis of these subjects and the marks obtained therein. They may, however, apply on the basis of their General English marks provided that they have secured 60% or above therein.

FIRST SEMESTER

British Literature I
British Literature II
Indian Writings in English I
Children's Literatures
English Language and Linguistics
The reading and interpretation of Literature

SECOND SEMESTER

British Literature III
British Literature IV
World Literatures
Literary and Critical Theory
Indian Literatures in translation
Envisioning Shakespeare
Communicative English (Choice-Based Paper)

THIRD SEMESTER

British Literature V
Cultural Studies
Research Methodology
Teaching of English as a Second Language
Diaspora Literature
Eco-literature
Popular Fiction (Choice-Based Paper)

FOURTH SEMESTER

Postcolonial Thought and Literature
American Literature
Project Work – Term paper and viva
English for Specific Purposes
Literature from the margins
African Literature



M.Sc. PSYCHOLOGY

Nature of the Course:

The course has a mixture of theory and practical components with great emphasis on "Practice in the clinical field" in order to develop skills for rendering psychological services to the society.

Special Features of the Course:

- Clinical experience and training in hospital setting- case history taking
- In school- Counselling
- In special school- management of M.R.
- Old age homes/ De-addiction centre/ Hospice rehabilitation centre/ HIV & AIDS centre.
- Psychological Assessment- I.Q. Memory & personality
- Vocational guidance- Interest and Aptitude testing
- Training in intervention techniques.

Eligibility:

M.Sc. Psychology - Any graduate with Psychology as a major, having studied at least 5 papers of Psychology at the qualifying examinations. He/ She should have obtained at least 50% in the aggregate marks at the qualifying examination.



FIRST SEMESTER

Theories of Personality
Cognitive Psychology
Research Methods
Statistics in Psychology
Practical: Assessment of Personality
Practical: Assessment of Cognitive Processes
Seminars and Journal Club

SECOND SEMESTER

Physiological Psychology
Educational Psychology
Psychological testing
Positive Psychology
Practical: Psychological Assessments in Education
Practical: Positive Psychology
Social Psychology (Choice Based Paper)
Seminars and Journal Club

THIRD SEMESTER

Counselling Psychology
Psychopathology I
Psychological intervention
Practical: Counselling & Psychotherapeutic Skills
Practical: Assessment of Clinical Symptomatology
Health Psychology (Choice Based Paper)
Seminars and Journal Club

FOURTH SEMESTER

Areas of Counselling
Psychopathology II
Behaviour Modification
Group & Family Therapy
Dissertation
Practical: Case studies and field work
Seminars and Journal Club



M.Sc. CLINICAL PSYCHOLOGY

(Affiliated to Rajiv Gandhi University of Health Sciences, Bengaluru, Karnataka)

Nature of the Course: Annual

The course will be a Two year full time course with sufficient theoretical inputs and extensive supervised 'hands-on' clinical experience, the intake of students to the course shall be in accordance with the RGUHS notification.



Special Features of the Course:

After completing the course the candidate is expected to have: Knowledge, Skills & Attitudes, Human values and ethical practices:

- To know the Brain Behaviour relationship
- Develop basic skills of clinical assessment using psychological tools.
- Develop counseling and therapeutic skills.
- Develop professional skills to deal with multifarious psychological problems of individuals.
- Develop basic research skills.
- Develop skills for networking with other professionals and agencies.
- Adopt ethical principles in all aspects of his/her practice. Maintain professional honesty and integrity.



Eligibility:

This course is open for only those who have done full time, regular B.A./B.Sc./B.Psy. degree, with Psychology as a major subject. A minimum of 50% marks in Psychology and an aggregate of minimum of 50% is required to apply for the course.

Selection Procedure :

A selection committee that includes Clinical Psychology faculty shall make admissions on the basis of marks/grades in graduate program and an Entrance Examination which would consist of a written test and an interview.

COURSE CONTENT

I YEAR

- Paper 1. Psychopathology
Paper 2. Theories of Personality
Paper 3. Psychological Assessment
Paper 4. Research Methods & Statistics
Practical 1. Case History & Mental Status Examination, Diagnostic Formulation
Practical 2. Psychological Assessment record
Submission: **A.** 8 cases. (Minimum 3 Child Cases)
B. Counseling Skills training: Submission – Personal Journal (A minimum 500 hours of clinical work each year)

II YEAR

- Paper 1. Counseling & Psychotherapy
Paper 2. Family and Group Intervention
Paper 3. Health Psychology
Paper 4. Dissertation
Practical 1. Counseling and Psychotherapy
Practical 2. Behaviour Therapy
Submission: **A.** 8 cases (Minimum 3 Child Cases)
B. Therapy/Counselling Records



MASTERS IN COMMERCE (M.COM.)

The objective of the M.Com. Programme is to prepare candidates for a wide gamut of business positions including a teaching career. Since 'Breadth of knowledge is critical to developing high value decision-makers for today's business world, the curriculum provides comprehensive and indepth knowledge and skill base required of a candidate aspiring to be counsellors to the managers or matters of accounting, financial management and human resource management. Management, managerial economics, organisational behaviour, banking and finance, business taxation, marketing, global business strategies, etc. also find a place in the curriculum.

The post module aims to inculcate a wide reading habit and provides exposure to analytical skills, statistical and other evaluation techniques, writing skills and a sound research methodology for management research, in order enable a student to pursue research in the fields of Commerce and Management.

Candidates are provided guidance and openings to participate and present papers in national/ international conferences and seminars, in addition to affording opportunities to assist in hosting such programmes in-house. Through industrial visits, case studies, minor research programmes and teaching assignments to under graduate students; a candidate is also given hands-on exposure to topics learned.

Specialization:

- Financial Management
- Human Resource Management
- Banking & Insurance / Marketing Management



COURSE HIGHLIGHTS : Industrial visits, Case studies, Research Projects, Teaching assignments, Participation and Presenting of Papers in National/International Conferences & seminars, Training in Research & Statistical Analysis.

Eligibility:

Any graduate from B.Com/BBM stream with 50% marks and 40% mark for SC/ST candidates.

FIRST SEMESTER

Advanced Accountancy
Financial Decision Making
Supply Chain Management
Managerial Economics
Business Information Systems
Modern Management

THIRD SEMESTER

Management Science
Research Methodology
International Business
Elective I: Financial Management and Investment Science
Paper I: Corporate Accounting
Paper II: Security Analysis
Elective II: Human Resources
Paper I: Human Resource Management
Paper II: Knowledge Management
Elective III : Marketing Management
Paper I: Consumer Behaviour
Paper II: Integrated Marketing Communication
Fundamentals of Finance & Accounting (Choice Based Paper)

SECOND SEMESTER

Management Accounting
Business Statistical Analysis
Business Taxation – I (Direct)
Organisational Behaviour
Entrepreneurship & Small Business Management
Retail Management
Marketing Skills (Choice Based Paper)

FOURTH SEMESTER

Business Taxation – II (Indirect)
Strategic Management
Project/Dissertation
Elective I: Financial Management and Investment Science
Paper III: Capital Structure Management
Paper IV: Portfolio Management
Elective II: Human Resources
Paper III: Industrial Relations and Labour Legislation
Paper IV: Organisation Development and Transformation
Elective III: Marketing Management
Paper III: Services Marketing
Paper IV: Retailing Management



M.Sc. CHEMISTRY

M.Sc. Programme in General Chemistry is offered with objectives of empowering the students towards:

- Career opportunities in various scientific institutions, Research organisations, chemical and pharmaceutical industries.
- Inculcating scientific temper and orientation towards research
- Developing an analytical mind for applying science in day-to-day life.
- All branches of Chemistry- Organic, Inorganic Physical & Analytical are given equal importance.
- Coaching for competitive exams- CSIR. NET. GATE
- Campus Interview & 100% jobs.
- Summer Research Fellowship & Projects & Internships.
- The PG department of Chemistry has successfully completed its odyssey of Ten years by serving as an excellent foundation for advanced study in number of related areas of chemical science. Over the 10 years many students have cleared their competitive exams like NET/ JRF, GATE & KSET and many are pursuing their Ph.D in various prestigious Institutes like NIIST, Trivandrum, ICT Mumbai & various NIT's.



Eligibility:

Any graduate with Chemistry as a major, having studied at least 5 papers of Chemistry at the qualifying examination. He/She should have obtained at least 60% in the aggregate marks at the qualifying examination.



FIRST SEMESTER

Inorganic Chemistry I
Organic Chemistry I
Physical Chemistry I
Analytical Chemistry & Molecular Spectroscopy
Computer for Chemists I
Inorganic Chemistry Practical-I
Organic Chemistry Practical-I
Physical Chemistry Practical-I

SECOND SEMESTER

Inorganic Chemistry II
Organic Chemistry II
Physical Chemistry II
Computer for Chemists II
Inorganic Chemistry Practical-II
Organic Chemistry Practical-II
Physical Chemistry Practical-II
Chemistry in Everyday Life (Choice Based Paper)

THIRD SEMESTER

Inorganic Chemistry III
Techniques and applications of spectroscopy
Organic Chemistry III
Seminar
Inorganic Chemistry Practical-III
Organic Chemistry Practical-III
Physical Chemistry Practical-III
Environmental Chemistry (Choice Based Paper)

FOURTH SEMESTER

Organometallic and Bioinorganic Chemistry
Synthetic Methods in Organic Chemistry
Physical Chemistry III
Polymer and Solid State Chemistry
Advanced Chemistry Practicals
Project Work & Dissertation



M.Sc. Big Data Analytics

Preparing Competent graduates for 21st Century Careers



Why Big data Analytics?

“Big Data” is the data whose scale, diversity, and complexity require new architecture, techniques, algorithms, and analytics to manage/extract value and hidden knowledge from huge mass of data. Hands-on training in Big Data is essential for many careers in any sector of the enterprise which is highly desirable for information management and decision making processes.

Why St Agnes College?

To take forward the proud legacy of technical and academic excellence of the College, the Postgraduate Studies and Research Centre has initiated **M.Sc. in Big Data Analytics** a two year course from the academic year 2019 – 2020. Department also offers a **Post Graduate Diploma in Business Data Analytics** a one year course from academic year 2020-21. These PG programmes provide an application oriented course structure designed by academic experts and industry practitioners. Since Big Data is essential for many positions in any sector which is highly desirable for information management decision making process in business and

Course Description:

- The programs provide hands-on exposure and experiential learning through internships, projects, case studies, big data sets by well experienced faculty and industry trainers.
- 100% job guarantee is assured with career friendly Course Structure, Industry-Institute Linkages and Internships/Projects.

Eligibility criteria:

Candidates who have completed any of the following courses are eligible to apply for the MSc programme. BCA/BE/B.Tech. degree in Computer Science/IT or Bachelors' degree in Information Technology/Computer Science/Statistics/Mathematics or equivalent examination with at least 50% marks in aggregate from a recognised University. For PG Diploma BSc/BCom/BBA or equivalent examination with at least 50% marks.

Admission procedure:

- M.Sc. Big Data Analytics & PG Diploma is open for both male and female candidates. Ranking for admission will be based on 60% marks of UG/PG course and 40% marks from the Big Data Analytics Entrance Test (BDAET) conducted by the College.

COURSE STRUCTURE

I Semester

Data Warehousing & Data Mining
Python Programming For Data Analysis
Statistics for Data Science & Data Visualization
Management Sciences
Financial Mathematics
Data Security
Seminar R/Python
Data warehousing & Data Mining Lab
Python Programming for Data Analysis Lab

II Semester

Big Data Architecture & Hadoop Eco System
Machine Learning Techniques
Multivariate Techniques for Data Analysis
Optimization Techniques
Seminar Python/ Hadoop
Hadoop, Map Reduce, Pig & Hive Lab
Machine learning Techniques Lab
Multivariate Techniques Lab
Fundamentals of Big Data Analytics – I (CBCS)

III Semester

Big Data Analytics using SPARK
Artificial Intelligence and Deep Learning
Data Ethic, Value System & Soft skills
Advance Machine Learning & NLP
Time Series Analysis
Seminar Machine Learning/AI
Apache Hadoop SPARK and Scala Lab
AI & Machine Learning Lab
Project Work
Fundamentals of Big Data Analytics – II (CBCS)

IV Semester

Internship Project work / Dissertation

ACTIVITIES



INAUGURAL OF THE DEPARTMENT ASSOCIATION – NEURON



NATIONAL LEVEL IT-FEST DATAYTICS 2019



CELEBRATING NATIONAL IT PROFESSIONAL DAY



SEMINAR BY INDUSTRY EXPERT



SEMINARS BY INDUSTRY EXPERTS AND ACADEMICIANS



STUDENTS OUTING



STUDENTS ACTIVITY

The department provides well designed, application oriented course structure developed by academic experts and industry practitioners. It paves the opportunity to interact with academicians from other institutes. It is student friendly, offering the best course fee structure in terms of affordability. Well-equipped lab facilities are structured to specially meet the requirements of these courses. Students get exposed to different technologies like Hadoop, MapReduce, Hive, Pig, SPARK, Scala, Flume, Tableau, SPSS, SAS, SQL, Excell, R, Python etc.

To Parents:

St Agnes College was established in 1920-21 with eight students and has expantially grown since then. In the recent years the student strength on the campus has been around 6000 spread over PU, UG and PG. The College is geared up to celebrate its centenial year in 1920-21. For the past 99 years, St. Agnes College has been a home of faith, of fruitful study and of fellowship. It is our sincere desire that every student who enters this campus will grow into a mature woman, emotionally balanced, spiritually strengthened, intellectually competent and socially concerned.

The year 2020-21 will be a milestone in the history of St Agnes College. The college is all set to celebrate the 100 years of service to society in the field of higher education.

At St Agnes we expect parent/teacher collaboration for the overall development of our students. Parents and guardians are requested to cooperate with the faculty, attend parents meet/results sessions, supervise the daily studies of their wards at home and monitor the activities of their wards before and after college hours. It is very important to check the college calendar and attendance to the class.

The College offers ample opportunities for every student to grow, develop and progress in every sphere of life. Besides the curricular and co-curricular activities, a number of additional courses, fests and competitions are organised for the holistic development of every student. Every Agnesian represents the college and will adhere to the code of ethics, dress and deportment as laid down by the college.

Parents will take note of the important parameters in the Semester pattern of academic life. The student will not be permitted to answer the End Semester Examination in the event of the following:

- Shortage of attendance
- Absence at Mid-Sem Examinations and other CIA components
- Deliberate disobedience of the rules laid down by the college

Let us all strive to keep up the traditions, the Vision and Mission of the College

For Communication:

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Sr. Dr. M. Jeswina A.C.
Principal

Learning gives creativity, Creativity leads to thinking,
Thinking provides knowledge, Knowledge makes you great. – A.P.J.



HUNDRED ON....EXCELLENCE TO PERFECTION



*"Education is the
movement from darkness to light"*

Allan Bloom

Contact:

The Co-ordinator

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