



# ANAND GROUP OF COLLEGES

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## BROCHURE-2022

Education with a Difference

[www.anandcollege.in](http://www.anandcollege.in)

# ABOUT ANAND GROUP OF COLLEGES

The Anand Fraternity is celebrating its twelve years of excellence in the field of technology and engineering and we are exhilarated to expand our horizons in the field of Science. Anand is now extending its reach to a new dimension and introducing you to ANAND COLLEGE.

Anand College has come up with the whole new idea of stimulating and nurturing the young minds and raising them to become maestros in their foreseeable career. Our eminence in innovative academic environment and diverse approaches to college education along with incredible skill-building has everlasting impact on students. Affiliated to the University of Rajasthan, Jaipur, it offers Bachelor of Science (B.Sc-Maths) pass course with Physics, Chemistry and Mathematics as subjects. The institute boasts its intellectually inspiring academic environment with world-class infrastructure, state-of-the art laboratories, and an exclusive lush green campus.

The Faculty and Staff at Anand College encompass subject matter experts, research scholars, industry experts and eminent academicians and scientists who work tirelessly to foster students' learning and shaping socio-economic cultures. The institution has adopted the Project and Research based learning not only to reinforce the concepts of science and technology but also to empower students with the opportunity to apply academic skills in solving real life problems.

## Institutional Vision and Mission

Anand College is committed to the pursuit of excellence in higher education, character building, total development of personality and responsible citizenship.

### Our Vision

To be acknowledged globally by providing a platform for budding minds to unleash their potential & utilize it judiciously to bring a significant change in the contemporary society.

### Our Mission

To achieve and sustain excellence in teaching and research, and enrich local, national and international communities through our research, skills of our alumni, and publish academic educational materials.

## Bachelor of Science (B.Sc-Maths) Pass Course

Physics, Chemistry and Mathematics have always been the important subjects in Science. Pursuing B.Sc-Maths course plays a pivotal role for students who have a strong interest in Science and Mathematics. The course is also valuable for students who wish to pursue multi and inter-disciplinary science careers in the future. The (B.Sc-Maths) Pass Course emphasizes on making the students, comprehend the structural and functional basis of the universe.

At Anand College we push students to acquire higher learning in Physics, Mathematics and Chemistry so as to make them capable to contribute to the wellbeing of the society. It is designed to help the students to understand the importance of scientific knowledge and the role of these in enhancing and improving the quality of life. B.Sc-Maths include Physics, Chemistry and Mathematics as main Subjects. In addition, various Co-curricular as well as extra-curricular activities are designed for the students for their holistic development.

### PHYSICS

The Department of Physics offers a wide spectrum of Optical, Electrical and Thermodynamics studies. The research activities of the Department involve practically almost all sub-disciplines of Physics. The Department is well equipped with necessary facilities like well operational laboratories, Computer Lab facility and other resources for teaching, higher learning and research. The Physics laboratory encompasses various experimental equipments like spectrometer, spherometer, Ballistic Galvanometer, Careyfoster Bridge and CRO that reinforce the concepts of understanding. The academic curriculum enlightens the knowledge of the undergraduates with practical learning and solving real life problems.

### CHEMISTRY

The objective of the Chemistry Department is to provide top notch education in the diverse areas of Science and growing into a center for teaching and research with a notion to attain significant position on the international forum. The syllabus of chemistry is rigorous in comparison to RU and covers theory and practical courses with full emphasis to construct intellectual assets. The Laboratory is highly equipped with the latest instruments known and required to carry out modern day chemistry, for instance UV Spectrophotometer, Flame Photometer, Digital pH meter, Conductivity-meter, Balance (Electronic and Digital), Electric Oven, and Double Distillation Assembly. The Department rigorously strives to empower the students to meet the requirements of society such as water technology, pollution control, and solid waste management.

### MATHEMATICS

The Department of Mathematics focuses on pure, applied and applicable mathematics with the core objective of imparting students with logical thinking and analytical reasoning and problem solving skills as well as equipping them with more technological skills in scientific computing techniques based on mathematical methods to meet the growing demand in the industry. The curriculum emphasizes on the application of concepts and fills the lack of knowledge by meritorious training.

# Admission, Eligibility and Fee Structure

\*Admission is on the basis of merit of marks secured in the Class XII examination. Weightage is given as per state government norms.

## Eligibility for B.Sc.-Maths

Candidates must have passed the 10+2 examination in Science Stream (Physics, Chemistry and Maths) with 48% aggregate marks. (Minimum pass marks acceptable only for SC/ST and OBC students).

<b>B.Sc.-Maths</b>	<b>No. of Seats</b>	<b>60</b>
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## Fee Structure

Course	Tuition Fee (Per Annum)	Development Fee (Per Annum)	Caution Money (One time & refundable)	Admission Application Form Fee (Non- Refundable)
B.Sc. (1 Year)	30,000/-	4,500/-	3,000/-	500/-

## SCHOLARSHIP

Anand College offers scholarship to the meritorious students, the details of which are as follows:

## Entry Level Merit Scholarship

Under this Category students are awarded scholarship on basis of XII Class%

XII%	Scholarship (% of 1 Year Tuition Fee)
90-100	20%
85-90	15%
80-85	10%

# World Class Infrastructure & Facilities

The campus is set up amidst lush green environs away from the humdrum of city life, at the same time is well connected to the city by the Jaipur-Agra National Highway. It is a place where ideas are born, leaders are created and lives are transformed.

- Wi-Fi enabled campus
- Landscaped green campus with rich architecture and modern facilities
- 24X7 secured campus with CCTV surveillance
- State-of-the-art laboratories
- Theater style classrooms and seminar halls
- Open access Library
- Training and placement cell, GD/Presentation rooms and interview cabins
- Aesthetic academic, administrative and laboratory blocks
- Incubation Centre
- Cafeteria
- ATM and Departmental Store
- AC buses
- Indoor & outdoor sports facility including squash court, basketball, volleyball, football, badminton, kabaddi, cricket net practice pitch and much more under the supervision of a coach
- Girls & Boys hostels offering homely food.
- 24\*7 Study & Computer Center
- Gymnasium with an instructor
- Guest House



## Well Equipped Laboratories

Laboratories are the most indispensable part of learning in order to boost the theoretical knowledge and thus, Labs aid a student in establishing the relevance of the theory. It brings clarity in the mind of the students regarding the basic concept of the subject. Therefore, students understand the difference between theory and application. To impart quality education, Anand College has established world-class laboratories in the field of sciences.

### Physics Laboratory

The Physics laboratory is developed with the aim to promote students ability to think and make them innovative. It not only helps students to boost their critical learning and problem solving skills but also helps them in improvising their approach towards the subject. All students are provided hands-on training on highly advanced equipments and all experiments have been devised to keep up with the latest trends in physical science. Physics laboratory enables students to attain necessary skills to gather data accurately and to perform error analysis.

The Labs in the Physics department are well equipped to perform all kinds of experiments for B. Sc covering vast areas in physics such as Mechanics, Properties of Matter, Electricity and Magnetism, Optics, Modern Physics, GM counter, Cathode Ray Oscilloscope (CRO) etc.



### Chemistry Laboratory

The Chemistry lab is completely equipped in order to conduct all the experiments pertaining to organic, physical and inorganic chemistry. It is designed to enhance students understanding of essential chemical concepts through firsthand experience on experiments. This helps students to advance themselves in laboratory techniques and also enables them to acquire the necessary skills to operate instruments and collect data precisely.

The Laboratory houses the latest instruments required to carry out modern day chemistry, for instance UV Spectrophotometer, Flame Photometer, Digital pH meter, Conductivity-meter, Balance (Electronic and Digital), Electric Oven, and Double Distillation Assembly. The Department rigorously strives to empower the students to meet the requirements of society such as water technology, pollution control, and solid waste management. A research laboratory for water analysis and organic synthesis besides having its own instrument room is also associated with this Laboratory.



### Mathematics Laboratory

The mathematics laboratory is a place where anybody can experiment and explore patterns and ideas.

It essentially provides students with hands-on experience of course concepts and with the opportunity to realize of course concepts and with the opportunity to realize the connection between book knowledge and real-world applications. Keeping these point in mind, Department of Mathematics has the Applied Non- linear Science Lab. (ANSL) with the following facilities for teaching purpose.

- 20 Desktop Computers with internet facility.
- Dual operating systems (Windows and Linux)
- MS office, Latex, Matlab and SCI lab Software

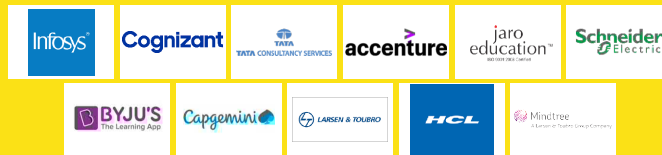
## Language Laboratory

A language laboratory is a dedicated space for english language learning where students access audio-visual materials, which are delivered to individual students through headsets. Language Lab is aimed at self-learning while focusing on skills like building vocabulary and language, pronunciation and grammar. It develops and boosts the confidence of students at English speaking and writing. It also reinforces the concepts of native English Language. The Language Lab is endowed with one of the best multimedia language software. "VISIONET". This Software is installed on each computer individually and is supervised by eloquent trainers.



## Training & Placement Cell

The Training & Placement Cell of the Anand College is closely connected to the reputed organizations from Core & IT Sectors which helps students to pursue the right career in life. The T&P Cell of the Institute arranges Induction Programs, Skill Development Programs, Short & Long Term Internship Programs, and Campus Placements. The Placement Record of Anand-ICE has been admirable since its inception as Anandites are serving in various reputed organisations across the Globe like PWC-Chicago, Apprio-Australia, Amazon, L&T, Tata Motors, and so on. This expertise and experience will be highly beneficial for the students of Anand College too.



## Research and Development Cell

Research is everything in science without research science will get stagnated. Scientific and technological innovations are the basic needs for the economic prosperity of the nation as a whole. It is here in R&D Lab that students learn about research. They learn the attributes of a researcher which they need to instill. In view of this, Anand College has provided platform for the students to get expertise in various upcoming fields like smart materials, wireless communication, renewable energy, environmental studies, seismic vulnerability, corrosion testing, soft computation, system security and big data for the benefit of the society. Committed to excellence in fundamental research as well as in the development of innovative technologies, Anand College offers an excellent research environment for the entire Anand fraternity.

We have a strong background in Research & Development activities comprising 400+ Research paper publications, 50+ Article/Chapter Publication in books.