

VIT-AP UNIVERSITY

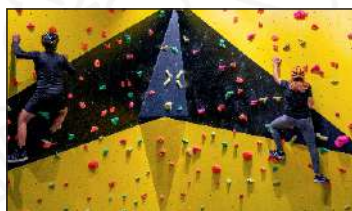
Apply Knowledge. Improve Life!®

About the School of Advanced Sciences (SAS)

The School of Advanced Sciences (SAS) is one of the seven schools of VIT-AP university and it houses the Departments of Mathematics, Physics and Chemistry. We believe in quality of education and research with ethical and professional standards for better tomorrow. Students are encouraged to question, explore and research throughout their studies, ranging across the various discipline of sciences. We aspire to be a valuable contributor towards the nation's growth and development by producing highly skilled individuals and by engaging them in cutting-edge research. For more details: <https://vitap.ac.in/school-of-advanced-sciences/>

Programs offered:

- **Dual Degree Programme- B.Sc.-M.Sc. Data Science (With Two Exit Options B.Sc. Data Science After Three Years and B.Sc. Hons. in Data Science After Four Years)**
[In collaboration with Binghamton University, USA & QpiAI India Pvt. Ltd.]
- **M.Sc. Data Science** [In collaboration with Binghamton University, USA & QpiAI India Pvt. Ltd.]
- **M.Sc. Chemistry** in collaboration with Mitsui Kinzoku Components India Pvt. Ltd. (MKCI)
 - **M.Sc. Chemistry**
 - **M.Sc. Chemistry (Specialization in Pharmaceutical Chemistry)**
 - **M.Sc. Chemistry (Specialization in Analytical Chemistry)**
- **M.Sc. Physics** in collaboration NoPo Nanotechnologies & QpiAI India Pvt. Ltd.
 - **M.Sc. Physics**
 - **M.Sc. Physics (Specialization in Energy Science and Technology)** [In collaboration with Bhagwat Energy Pvt. Ltd.]
- **Ph. D.** in Mathematics, Statistics, Data Science, Physics, Chemistry
- More than 90% students have secured internships in reputed industries and academia including Zifo, Aurobindo Pharma, Cipla, Mitsui Kinzoku Components India Pvt. Ltd., Tina Life Science (through RSC), Cresen Solutions, LatentView Analytics, IIT, ISI, NIT, IICT, JNCASR etc.
- Global collaborations with various reputed academic, research institutes and industries
- Majority of our students of the M. Sc. Programs got placed in reputed companies and have received offers for higher studies from foreign universities
- Diverse mix of national and international students
- SAS Students from 16 States of India and one student from a foreign country



**Prominent Companies Offering Placements/ Internships to
the Students of School of Advanced Sciences, VIT-AP University**



**Prominent Collaborators of the School of Advanced Sciences,
VIT-AP University**



Facilities at School of Advanced Sciences, VIT-AP University



S. No	Characterization/Testing Equipment
1	UV-Vis Spectrophotometer
2	Impedance Analyzer
3	Electrochemical Analyzer
4	FT-IR Spectrometer
5	Fluorimeter
6	Solution Calorimeter
7	Semi-micro Oxygen Bomb Calorimeter
8	Conductivity Meter
9	pH Meter

S. No	Synthesis/Processing Equipment
10	Spin Coating Unit
11	Tubular Furnace (Vacuum & Inert Gas)
12	Centrifuge
13	Digital Analytical Balance
14	Hot Air Oven(s)
15	Ultrasonic Cleaner
16	Magnetic Stirrer (With and without Heating)
17	Hydraulic Press and Pellet Making Unit
18	Dry Box and Water Maker

Areas of Innovation and Research:

- ◆ Pure Mathematics
- ◆ Nano-materials
- ◆ Organic Chemistry
- ◆ Applied Mathematics
- ◆ Optical Communications
- ◆ Environmental Chemistry
- ◆ Statistics
- ◆ Bio-physics
- ◆ Inorganic Chemistry
- ◆ Data Science
- ◆ Quantum Physics
- ◆ Physical Chemistry
- ◆ Semiconducting Materials and Devices
- ◆ Magnetic Materials
- ◆ Energy Materials

Research Fellowship :

VIT Fellowship	GATE Qualified (Above 60% in PG)	Others
First Year	Rs. 31,000/Month	Rs. 25,000/Month
Second and Third Year	Rs. 35,000/Month	Rs. 31,000/Month

- Raman Research Award up to 1 lakh for publications exclusively for research scholars
- Contingency amount of Rs. 10,000 per year for all Scholars
- Open access research publication support for Q1 and Q2 Journals
- Financial support for attending conferences/workshop/training etc.
- Eight external funded projects by DST, India (More than Rs. 70 lakhs)
- More than 50 projects funded by the university to the SAS faculties and students
- 16 patents and more than 200 research publications by faculty and students of SAS
- The school has more than 100 faculties, all with Ph. D.s and Postdocs from top-tier global universities
- SAS Faculties from 16 States of India

