



GITAM UNIVERSITY

(Estd. u/s 3 of the UGC Act, 1956)

VISAKHAPATNAM * HYDERABAD * BENGALURU

Accredited by NAAC with 'A' Grade

MHRD 'A' Category University

Recognised Research University



GSAT - 2016

**GITAM Science Admission Test
UG & PG Programmes for the academic year 2016 - 17**

ADMISSION BROCHURE

A University Committed to Excellence

GITAM UNIVERSITY

Gandhi Institute of Technology and Management, known as GITAM University, established u/s 3 of the UGC Act, 1956, is one of India's leading universities having 35 years of track record in teaching and research of global standards. The University is located in three picturesque campuses at Visakhapatnam, Hyderabad and Bengaluru. With a multidisciplinary approach, the University offers 123 programs at UG, PG and Doctoral levels in diverse disciplines in Technology, Architecture, Pharmacy, Science, Medicine, Management, International Business, Law and Humanities. The University has turned into one of the biggest Universities in India with 1100 committed faculty members, 1200 research scholars, over 17,000 regular students and more than 30,000 distance learners.

Recognizing the holistic education being imparted by the University, the Ministry of Human Resource Development (MHRD), Govt. of India ranked GITAM as 'A' category University among the universities of its kind. The university is accredited by the National Assessment and Accreditation Council (NAAC) with 'A' Grade. GITAM is one of the chosen universities that has been accorded 12 (B) status by the University Grants Commission (UGC) facilitating high impact research by the faculty and students. All these accreditations stand as a testimony for the best quality education being imparted by the University.

The University has state-of-the-art infrastructure and well-equipped laboratories together with excellent student support facilities such as digital library, playgrounds, hostels, 1.5 Gbps (1500 Mbps) internet bandwidth connectivity with Wi-Fi access, etc. GITAM campuses at Visakhapatnam, Hyderabad and Bengaluru provide a congenial environment for studies and offer first-class academic and recreation facilities. The cosmopolitan mix of students hailing from different parts of the country creates an affable atmosphere in all the three campuses.

The University provides a dynamic and exciting experience to students in a diverse learning environment. The learner-centered teaching methodology with the most dynamic curriculum designed by academic experts prepare GITAM graduates to successfully meet academic and corporate challenges and build bright careers in life. The degrees awarded by the University are respected and valued across the World. The Choice Based Credit System (CBCS) is introduced based on UGC guidelines in order to promote students to pursue courses of their choice with interdisciplinary approach.

The stellar research laboratories in all the campuses provide excellent opportunities to the faculty and students for conducting ground-breaking research in diverse disciplines. The academia and industry look up to GITAM University for solutions to problems of the industry and society in several emerging areas.

GITAM University instituted a good number of scholarships and fellowships for meritorious UG & PG students. The 'earn-while-you-learn' program of the University inculcates dignity of labour among the student community apart from providing them an opportunity to make an income.

GITAM has a range of forums which encourage the students to gain experience and exposure to develop their total personality. The University encourages students to take up independent research by utilizing their latent talents. GITAM University Science & Activity Centre (GUSAC) provides an exclusive platform to the students to nourish their creativity and unleash their genius and inherent talents. It organizes several technical and cultural festivals to stimulate scientific temperament among students besides creating a platform for student research at all the three campuses.

GITAM INSTITUTE OF SCIENCE

GITAM Institute of Science, one of the constituents of GITAM University had a glorious beginning. The scientific saga of the institute began with pioneering programmes, funded by UGC. It offers three UG, two five year integrated M.Sc., twelve PG and doctoral programmes. Integrated M.Sc. Chemistry programme is sponsored by Laurus Labs Ltd., Hyderabad. GIS also conducts the Certificate programme in Pharma Process Technology sponsored by Dr. Reddy's Labs, Hyderabad.

GITAM Institute of Science offers a diversified learning experience characterized by a sound faculty-student interaction with special emphasis on career advancement. Being a place which nurtures the passion for pursuit of knowledge, the institute attracts faculty and students of high caliber from all over the country. At GITAM Institute of Science, academic programs nourish the students' curiosity and enhance their scientific temperament by providing a stimulating academic.

Apart from the curricular activities, students are trained in various other events like interactive seminars in weekly research colloquia and brain-storming sessions which significantly contribute to the honing of communication skills, latest developments in their subjects of study and grooming leadership qualities. The active participation of students in national and international conferences organized at GIS enrich the students with experience required for managing such events efficiently. The biennial science - expo conducted at GIS provides ample scope to bring out innovative talents of students. The institute organizes various awareness programmes pertaining to environment, health and hygiene, food safety, sustainable agriculture etc.

The faculty members are available beyond the class hours for one-to-one interaction with students for discussions and clarifications. The mentor-mentee system allows for individual monitoring of strengths and weaknesses of students and offers scope for academic counseling and psychological support. The placement record of the Institute is very impressive and the alumni are occupying pivotal positions in industry and research establishments.

The institute has the state-of-the-art laboratories facilitating research in the emerging areas of Cancer Biology Nanoscience and Technology, Biotechnology, Microbiology, Food science and technology, Nuclear analytical applications, materials science, Environment and Climate change with munificent financial support by DST, DBT, UGC, DAE, DRDO, ICMR, CSIR etc. Over 300 research scholars are pursuing M.Phil. /Ph.D. in diverse disciplines under the guidance of qualified and research oriented faculty. GIS has collaborative research and consultancy works with renowned laboratories like BARC and industry majors like HPCL, NTPC Visakhapatnam Steel Plant etc. Four departments-Environmental studies, Life sciences, Chemistry and Physics have been financially supported by DST under FIST programme.

Undergraduate and 5-year Integrated Programmes

B C A (Bachelor of Computer Applications)	Integrated M.Sc. Biotechnology
B E M (Bachelor of Environmental Mgmt.)	Integrated M.Sc. Chemistry (Sponsored by Laurus Labs)
B.Sc. (Bachelor of Science)*	

* Programme offered at Hyderabad campus also

Postgraduate Programmes

M.Sc. Applied Mathematics (Computational Fluid Dynamics-CFD)	M.Sc. Environmental Science (Green Technology/Water Resources Management)
M.Sc. Biochemistry (Cancer Biology)	M.Sc. Food Science & Tech (Food Processing)
M.Sc. Bioinformatics (Drug Design)	M.Sc. Microbiology (Fermentation Technology)
M.Sc. Biotechnology* (Nanotechnology/Protein Engineering)	M.Sc. Pharmaceutical Chemistry*
M.Sc. Chemistry (Analytical/Organic)	M.Sc. Physics (Nuclear/Material/Nano)
M.Sc. Electronics Science (Embedded Systems/Networking)	MCA Master of Computer Applications

* Programmes offered at Hyderabad campus also

ADMISSION INFORMATION

I. FOR ADMISSION TO M.Sc. PROGRAMMES:

Candidates seeking admission to various M.Sc. programmes of GITAM Institute of Science, GITAM University are required to appear for GITAM Science Admission Test (**GSAT - 2016**) to be held at various centres in Andhra Pradesh and other parts of India. Admission is based on the rank obtained in the entrance test.

Requirement for admission to all science programmes is a minimum aggregate of 50% or second division marks in group (optional) subjects in the qualifying examination.

Candidates who have appeared/ are appearing for the final examinations in 2016 are also eligible.

The GSAT - 2016 consists of the following tests. In each test, there will be 60 multiple choice questions from the syllabus which can be downloaded from the GITAM website **www.gitam.edu**. Ranks will be given separately based on the performance in the respective tests.

Course into which admission is sought	Test Code No.	Subject of the test	No. of bits*	Max. Marks	Max. Time
M.Sc. Applied Mathematics	101	Mathematics	60	60	1 hour
M.Sc. Physics	102	Physics/ Electronics	60	60	1 hour
M.Sc. Chemistry (Analytical/ Organic)	103	Chemistry	60	60	1 hour
M.Sc. Pharmaceutical Chemistry					
M.Sc. Biochemistry	104	Life Sciences	60	60	1 hour
M.Sc. Biotechnology					
M.Sc. Microbiology					
M.Sc. Food Science & Technology					
M.Sc. Bioinformatics					
M.Sc. Environmental Science**	105	Environmental Science	60	60	1 hour

* *The question paper contains three sections: A (15 bits), B (20 bits) and C (25 bits)*

** *In addition to the Test 105, students qualified in Test 104 are also eligible for admission into M.Sc. Environmental Science*

NOTE: *Candidates are required to apply separately for each test. Fee for each test is Rs.300/-*

Eligibility Criteria:

Sl. No.	Eligibility for admission into	Qualifying examination with specialization at degree level
1	M.Sc. Applied Mathematics	B.Sc. with Mathematics as one of the subjects; and Maths & Physical sciences in Intermediate or 10 +2 level
2	M.Sc. Physics	B.Sc. with Physics, Mathematics and any other subject
3	M.Sc. Electronics Science	B.Sc. with Electronics/Physics, Mathematics and any other subject
4	M.Sc. Chemistry (Analytical / Organic)	B.Sc. with Chemistry as one of the subjects
5	M.Sc. Pharmaceutical Chemistry	
6	M.Sc. Biochemistry	
7	M.Sc. Biotechnology	B.Sc. with Life Sciences / Chemistry / B.A. Home Science / B.Tech. in allied subjects / B.Pharm / B.P.T. / M.L.T
8	M.Sc. Microbiology	
9	M.Sc. Food Science & Technology	
10	M.Sc. Bioinformatics	Same as above (or) B.Sc. with Mathematics / Physics / Computer Science
11	M.Sc. Environmental Science	First preference will be given to BEM candidates. The remaining seats will be allotted to candidates with B.Sc. in Life Sciences or Physical Sciences / B. Tech. / B. Pharm.

II. FOR ADMISSION TO UG PROGRAMMES [BEM /5 year Integrated M.Sc., BCA and B.Sc]: GITAM Institute of Science, GITAM University, offers the following courses for Intermediate / +2 candidates.

- Bachelor of Environmental Management (BEM)***
- Five year Integrated M.Sc. Programme in Biotechnology***
(with an option to secure B.Sc. at the end of 3rd year and B.Sc. (Hons.) at the end of 4th year)
[Candidates with science optionals are only eligible]
- Five year integrated M.Sc. Program in Chemistry (Sponsored by Laurus Labs)***
- Bachelor of Computer Applications (BCA)***
- Bachelor of Science* (B.Sc. with Mathematics, Physics, Chemistry / Electronics/Computer Science)***

* Candidates with Mathematics, Physics and Chemistry at Intermediate / +2 only can apply

Candidates seeking admission to the above programmes are required to appear for an entrance test **GSAT - 2016** to be held at various centres in Andhra Pradesh and other parts of India. Admission is based on the rank obtained in the entrance test.

Requirement for admission to the above programmes is a minimum aggregate of 50% marks in group (optional) subjects in the qualifying examination.

Candidates who have appeared/ are appearing for the final examinations in 2016 are also eligible.

GSAT - 2016 consists of the following tests. In each test, there will be altogether 60 multiple choice questions from the syllabus which can be downloaded from GITAM website www.gitam.edu.

Course into which admission is sought	Test code No.	Subject of the test
BEM / Five year integrated M.Sc. Biotechnology/ B.Sc.#	106	Mathematics or Biology, Physics and Chemistry (or) Environmental education*
BCA	107	Analytical Ability

Maths, Physics and Chemistry for candidates seeking admission to B.Sc.

* For candidates with other than science optionals at Intermediate / +2, seeking admission to BEM programme only

Test No.106 consists of three sections and in each section there will be 30 multiple choice questions:

Section	Subject	No. of bits	Maximum Marks
A	Mathematics	30	30
B	Physical Sciences	30	30
C	Biological Sciences	30	30

Group / optional subjects in the Qualifying examination (+2 or equivalent)	Sections to be answered	Maximum Time
Mathematics, Physics and Chemistry	SECTION A & B	1 hour
Biology, Physics and Chemistry	SECTION B & C	1 hour

Candidates with other than science optionals at Intermediate / +2, seeking admission to BEM programme, have to attempt Section D of Test Code No.106:

Section	Subject	No. of bits	Maximum Marks	Maximum Time
D	Environmental Education	60	60	1 hour

Test No.107 consists of only one section with 60 multiple choice questions each carrying one mark.

Test Code No.	Subject	No. of bits	Maximum Marks	Maximum Time
107	Analytical Ability	60	60	1 hour

NOTE: Candidates are required to apply separately for each test. Fee for each test is Rs.300/-

**Candidates qualified in GAT-2016 are also eligible for admission to BCA, BEM, M.Sc. Biotechnology (5 year integrated) and B.Sc. programmes*

III. FOR ADMISSION TO MCA PROGRAMME:

Candidates seeking admission to MCA programme are required to appear for an entrance test **GSAT - 2016** to be held at various centres in Andhra Pradesh and other parts of India. Admission is based on the rank obtained in the entrance test.

Requirement for admission to the above programmes is a pass in any Degree with 50% Marks and Mathematics at +2 level or Degree level or equivalent examination.

Candidates who have appeared/ are appearing for the final examinations in 2016 are also eligible.

Test Code No.108 consists of three sections A (15 bits), B (20 bits), C (25 bits)

Test Code No.	No. of bits	Maximum Marks	Maximum Time
108	60	60	1 hour

Section	Subject	No. of bits	Maximum Marks
A	Communicative Ability	15	15
B	Analytical Ability	20	20
C	Mathematical Ability	25	25

IV. TEST CODE. NO. 109

Five year Integrated M.Sc. Chemistry (sponsored by Laurus Labs)

Test Code No.109 consists of three sections A (Chemistry), B (Physics), C (Mathematics / Biology)

Test Code. No.	No. of Bits	Maximum Marks	Maximum Time
109	60	60	1 hour

Section	Subject	No. of Bits	Maximum Marks
A	Chemistry	30	30
B	Physics	15	15
C	Mathematics / Biology	15	15

V. TEST CENTRES (for both Postgraduate and Undergraduate courses):

Anantapur	Kakinada	Tirupathi	Bhubaneswar	Patna
Bhimavaram	Khammam	Vijayawada	Dhanbad	Pune
Eluru	Kurnool	Visakhapatnam	Guwahati	Raipur
Guntur	Ongole	Warangal	Jamshedpur	Rayagada
Hyderabad	Rajahmundry	Bengaluru	Kolkata	Siliguri
Kadapa	Srikakulam	Berhampur	Nagpur	Varanasi

(Tests will be conducted at the above centres depending on the number of candidates opting for those centres. If sufficient number of candidates do not opt for a particular centre, they will be allotted to the nearby centre)

VI. HOW TO APPLY

- Applications can be downloaded from GITAM website **www.gitam.edu**.
- Applications can be obtained by post, from Principal, GITAM Institute of Science by sending a request on plain paper giving the candidate's name with complete mailing address, accompanied by DD for Rs.350/- (inclusive of Test fee Rs. 300/-) drawn in favour of GITAM University payable at Visakhapatnam on any scheduled bank. Request by post will be accepted till **21st April 2016**. The test fee for Five year Integrated M.Sc. Chemistry sponsored by Laurus Labs is Rs. 500.

- Candidates appearing for more than one test need to submit separate application along with the prescribed fee of Rs.300/- for each test.

Filled in applications along with attested copies of the following certificates and the prescribed fee of Rs.300/- or Rs. 500 as the case may be should reach the Principal, GITAM Institute of Science, GITAM UNIVERSITY, Rushikonda, Visakhapatnam-530 045, A.P., India on or before **02.05.2016**

1. Date of Birth extract of SSC / ICSE/CBSE / Matriculation certificate
2. Degree / Provisional Certificate of the qualifying degree examination in the case of candidates appearing for PG programmes. Intermediate / 10 +2 certificate in the case of candidates appearing for UG programmes
3. Caste Certificate issued by appropriate authority for claiming reservation under SC/ST
4. Medical Certificate issued by appropriate authority for claiming under PH category

VII. HALL TICKETS

1. Hall tickets will be sent to candidates by post one week before the date of commencement of entrance test. In case of non-receipt of hall ticket in time, candidates are advised to contact the office of the Principal, GITAM Institute of Science, GITAM University at Tel No. (0891) 2840450 / 452 two days before the test date.
2. Hall ticket should be retained carefully as it has to be produced at the time of admission.
3. Hall tickets can also be downloaded from www.gitam.edu.

VIII. TEST PROCEDURE

1. Candidates are advised to come to the examination hall at least half an hour before the commencement of the test.
2. Candidates will not be admitted into the examination hall without hall ticket or after the commencement of the test. They will not be allowed to leave the examination hall before the stipulated time.
3. Calculators, cell phones, books, papers, logarithm tables, slide-rule or any other calculating aids are not allowed into the examination hall.
4. Candidates should answer only on the answer sheet.
5. The Chief Superintendent of the test centre can take disciplinary action on candidates involved in indiscipline, malpractice, impersonation, etc., and the answer scripts of such candidates will not be valued.

IX. MERIT RANK

All candidates will be awarded GSAT - 2016 test-wise rank as per marks secured in the test appeared and they will be kept on the website.

X. RESERVATION OF SEATS

Admission to various courses of study shall be made on the basis of GSAT - 2016 rank and eligibility criteria subject to the rule of reservation as applicable to GITAM University.

XI. IMPORTANT DATES

- | | |
|--|------------|
| <input type="checkbox"/> Last date for receipt of filled in applications | 02.05.2016 |
| <input type="checkbox"/> Test date | 09.05.2016 |
| <input type="checkbox"/> Announcement of test results | 16.05.2016 |

For any information, please contact **Principal, GITAM Institute of Science (0891-2840450, 2840452, 2840516; principal_science@gitam.edu)**

INSTRUCTIONS TO FILL THE APPLICATION

- Please fill the application in English. Use CAPITAL LETTERS only.
- Please do not overwrite on the application form.
- The application should be filled properly and legibly by the candidate in his/her own handwriting in blue or black ball pen.
- A recent passport size photograph of good quality should only be affixed. Please do not staple or pin the photograph. Please do not sign or attest the photograph.

NOTE: Candidates are required to apply separately for each test. Fee for each test is Rs.300/-

1. **Test Code:** For example, if Life Sciences

104

Subject	Code No.	Subject	Code No.	Subject	Code No.
Mathematics	101	Environmental Science	105	Integrated	
Physics/Electronics	102	BEM/Integrated M.Sc. (Biotech)/ B.Sc.	106	M.Sc.(Chem.)	109
Chemistry/ Pharmaceutical Chemistry	103	BCA	107		
Life Sciences	104	MCA	108		

2. **Centre Code:** For example, if Visakhapatnam

215

Centre	Code No.	Centre	Code No.	Centre	Code No.	Centre	Code No.
Anantapur	201	Kurnool	209	Bengaluru	217	Patna	225
Bhimavaram	202	Ongole	210	Berhampur	218	Pune	226
Eluru	203	Rajahmundry	211	Bhubaneswar	219	Raipur	227
Guntur	204	Srikakulam	212	Dhanbad	220	Rayagada	228
Hyderabad	205	Tirupathi	213	Guwahati	221	Siliguri	229
Kadapa	206	Vijayawada	214	Jamshedpur	222	Varanasi	230
Kakinada	207	Visakhapatnam	215	Kolkata	223		
Khammam	208	Warangal	216	Nagpur	224		

3. **Name of the candidate** should be in 'CAPITAL LETTERS' only. Leave one blank space after each initial or word in the name. For example: for ADDANKI SAI CHAITANYA

Surname

A	D	D	A	N	K	I				
---	---	---	---	---	---	---	--	--	--	--

Name

S	A	I		C	H	A	I	T	A	N	Y	A
---	---	---	--	---	---	---	---	---	---	---	---	---

CHECK LIST

- $\frac{3}{4}$ Duly filled in application form along with the prescribed fee of Rs.300/- (DD should be drawn in favour of Principal, GITAM Institute of Science, GITAM University and payable at Visakhapatnam). The test fee for Five year Integrated M.Sc. Chemistry sponsored by Laurus Labs is Rs. 500.
- $\frac{3}{4}$ Copy of the degree / provisional certificate of the qualifying examination in the case of candidates appearing for PG programmes.
Intermediate / 10 +2 certificate in the case of candidates appearing for UG programmes.
- $\frac{3}{4}$ Copy of Date of Birth Certificate (SSC / ICSE/CBSE / Matriculation certificate)
- $\frac{3}{4}$ Copy of Caste Certificate issued by appropriate authority for claiming reservation under SC/ST
- $\frac{3}{4}$ Copy of Medical Certificate issued by appropriate authority for claiming under PH category



GITAM UNIVERSITY

(Estd. u/s 3 of UGC Act, 1956)

Gandhinagar Campus, Rushikonda, Visakhapatnam-530045, A.P., India 0891-2840450/452 / 2790101, Telefax: 0891 – 2790032, website: www.gitam.edu

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DUPLICATE

GSAT - 2016

GITAM Science Admission Test

UG & PG Programmes for the academic year 2016 - 17

HALL TICKET

Test Code:

Centre code:

Hall Ticket No (to be filled in by the office)

Name of the candidate
(in capital letters)

Name of the Parent/Guardian

Signature of the candidate

Recent Passport
size Photograph
attested by
Gazetted Officer



GITAM UNIVERSITY

(Estd. u/s 3 of UGC Act, 1956)

Gandhinagar Campus, Rushikonda, Visakhapatnam-530045, A.P., India 0891-2840450/452 / 2790101, Telefax: 0891 – 2790032, website: www.gitam.edu

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ORIGINAL

GSAT - 2016

GITAM Science Admission Test

UG & PG Programmes for the academic year 2016 - 17

HALL TICKET

Test Code:

Centre code:

Hall Ticket No (to be filled in by the office)

Name of the candidate
(in capital letters)

Name of the Parent/Guardian

Signature of the candidate

Recent Passport
size Photograph
attested by
Gazetted Officer

Note: Candidate must fill and enclose this page along with the application.



Unique features

- ✱ A top class University on par with the best in the country
- ✱ Highly qualified and committed faculty
- ✱ Adjunct faculty from industry
- ✱ Visiting faculty from reputed industry and academic institutions
- ✱ Group Personal Accident Insurance for Students
- ✱ Dedicated Training and Placement wing
- ✱ Collaborations with foreign universities and industry majors
- ✱ Near 100% placements with lucrative packages
- ✱ Alumni in prominent positions all over the world
- ✱ Scholarships to all students
- ✱ Smt. Annapurna and Dr. Nageswara Rao Akkineni Scholarships for girl students

Campus facilities

- ✱ Wi-fi campus with 1000 Mbps internet connectivity
- ✱ World class Data Centre
- ✱ Entrepreneur Development Cell
- ✱ On campus training to students
- ✱ Sophisticated language labs
- ✱ State-of-the-art infrastructure
- ✱ Separate hostel facilities for boys and girls
- ✱ World class sports facilities
- ✱ Highly active NCC and service oriented NSS units



PLACEMENT RECORD

The University attaches utmost importance to placement services to the students. A full-fledged Training & Placement wing is established for science students to facilitate career guidance and improve their employability. Placement officers organise pre-placement training by professionals and arrange special coaching in personality development and communication skills.

GITAM enjoys patronage of several multi national corporations. GITAM's high standards are well-recognized by many MNCs and other companies in IT, Pharma, Chemical, Hardware and other fields across the country drawing them to conduct campus interviews on a large scale.

Campus recruitments have been a regular feature by top companies and research laboratories in addition to IT industry. These include Eisai, Dr.Reddy's Laboratories, Indian Immunologicals Limited, Aurobindo Pharmaceuticals, Matrix, Panacea Medical Technologies Pvt. Ltd., Biocon, Parexell, Thompson India., Infosys, TCS, HCL, Yahoo, WIPRO, CSC, Cognigent Technologies, Packetware, etc.

Attractive compensation packages are offered to the graduate students in campus placements. Some of the prominent recruiters are:



Visakhapatnam Campus

GANDHI NAGAR CAMPUS, RUSHIKONDA
VISAKHAPATNAM- 530 045, A.P., INDIA

Ph: +91-891-2840450/451/452, EPABX: 2790101, Fax: 2790032

E-mail: principal_science@gitam.edu

For more information : www.gitam.edu

