



# GITAM

(DEEMED TO BE UNIVERSITY)

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

VISAKHAPATNAM \* HYDERABAD \* BENGALURU

Accredited by NAAC with **A<sup>+</sup> Grade**

MHRD classified as Category 'I'

## GITAM Institute of Science



# GSAT - 2018

**GITAM Science Admission Test**  
UG & PG Programs for the academic year 2018 - 19

**ADMISSION BROCHURE**

*GITAM Committed to Excellence*

# **GITAM**

## **(DEEMED TO BE UNIVERSITY)**

Gandhi Institute of Technology and Management (GITAM), a Deemed to be University under section 3 of the UGC Act, 1956 is a premier educational institution in the country imparting quality education. Over the last 38 years, GITAM has achieved many milestones and established a mark of its own in the field of higher education. GITAM is located at Visakhapatnam and has two off-campus at Hyderabad and Bengaluru. GITAM is a multidisciplinary deemed to be university offering 144 programs at UG, PG and doctoral levels in diverse disciplines such as Engineering & Technology, Architecture, Life Sciences, Social Sciences, Physical Sciences, Arts & Humanities, Commerce & Management, International Business, Law, Pharmacy, Medicine and Nursing. With 15 Institutes, 10 Faculties, 52 Departments and 10 Research Centres, GITAM has over 20,000 regular full-time students, over 1200 research scholars hailing from almost all parts of the country. GITAM is endowed with about 1200 plus well qualified faculty having research and industrial background. The faculty have been undertaking major research projects with financial assistance from various funding agencies.

The Ministry of Human Resource Development, Govt. of India (Tandon Committee), classified GITAM as category 'I' among the deemed to be universities of its kind. GITAM is accredited by NAAC with A+ Grade in 2017. Further, the UGC has accorded 12-B status to GITAM.

GITAM has been accredited with ISO 9001:2015 for Quality Management, ISO 14001:2015 for Environmental Management and ISO 27001:2013 for Information Security Management.

GITAM has state-of-the-art infrastructure and well-equipped laboratories together with excellent student support facilities such as modern library, playgrounds, hostels and 3.0 Gbps (3000 Mbps) internet bandwidth connectivity with Wi-Fi access.

GITAM campuses at Bengaluru, Hyderabad and Visakhapatnam 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 a warm and friendly atmosphere in all the three campuses. The degrees awarded by GITAM are respected and valued across the World.

The curriculum design of all the programs is aligned with the vision, mission, objectives and quality policy of GITAM. The curriculum is developed, keeping in view, the local, regional, national and global developmental needs in order to meet the ever changing demands of the industry, economy and society. The Choice Based Credit System (CBCS) is introduced based on UGC guidelines to enable students to have flexibility in learning, with wider choices outside their disciplines of study. The CBCS facilitates students to acquire the desirable skills to enhance their employability, and the grading system facilitates seamless mobility of students across institutions.

The stellar research laboratories in all the three campuses provide excellent opportunities to the faculty and students for conducting innovative research in diverse disciplines. The public and the industries of the region look up to GITAM for solutions to the problems of the society and industry in several areas of relevance.

Centralized Research Laboratories were established in the thrust areas such as Water Quality, NanoTechnology, Medical Biotechnology, Advanced Materials & Processing, Chemical Analysis and Industrial Biotechnology. In addition, Central instrumentation and Heavy equipment facilities were also made available for the benefit of researchers.

GITAM instituted good number of scholarships and fellowships for meritorious UG & PG students. In addition to the above, scholarships are given from the endowments instituted out of donations of philanthropists. The earn-while-you-learn program of GITAM inculcates dignity of labour among the student community apart from providing them an opportunity to earn while they learn.

A wide range of clubs and forums in GITAM encourage the students to gain experience and exposure to develop their personality. GITAM encourages students to take up independent research by utilizing their latent talents. GITAM 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 festivals to stimulate scientific temperament among students besides creating a platform for inculcating interest in research.

GITAM has established Technology Incubation and Entrepreneurship Development Centre, which creates an environment where young minds interested in the fields of innovation and administration collaborate. It provides opportunities for budding startups to explore the business world and also advocates the thought that success comes only by venturing beyond the set boundaries.

The students of GITAM won recognition for their research contributions both at national and international levels. GITAM equips its students with sound basic skills to give them a competitive edge to compete in the global market. The academic experience and the cutting edge skills acquired in the chosen discipline often enable them to face the demands of a tough economic environment. A large number of our students also improve their professional skills and gain hands-on experience through a wide range of internship programs in multinational corporations across the country.

GITAM is the first choice for the students from different States in the country for pursuing quality education. An exclusive Directorate of Training and Placement facilities was created to provide career guidance and placement services to enable them to find quality employment in renowned multinational corporations. The students graduated from GITAM are preferred by many top-notch companies of IT and core sectors.

It is a matter of great pride that the alumni of GITAM occupy prominent positions in prestigious organizations all over the world and some of them have become successful entrepreneurs. The alumni spread across the world advocate the students for higher studies and placements. The GITAM alumni associations in USA, UK, Australia and Canada are involved in social service activities.



# GITAM INSTITUTE OF SCIENCE

GITAM Institute of Science, one of the constituents of GITAM had a glorious beginning. The scientific saga of the institute began with pioneering programmes, funded by the UGC. It offers UG, PG, Five year Integrated M.Sc. and Doctoral programs. The Institute takes pride in offering 5-year Integrated M.Sc. Chemistry program sponsored by the Pharma giant Laurus Labs Limited Hyderabad. In addition, the Institute offers Dr. Reddy's Labs, Hyderabad sponsored Certificate programme in Pharma Process Technology.

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 programmes nourish the students' curiosity and enhance their scientific temperament by providing a stimulating academic environment.

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 in commemoration of Noble laureate Sir C.V.Raman's discovery of the Raman effect 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 impressive and the alumni are occupying pivotal positions in industry and research establishments.

The institute has 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, MoEF etc. About 385 research scholars are pursuing M.Phil. /Ph.D. in diverse disciplines under the guidance of qualified and research oriented faculty. GIS has collaborative research with renowned laboratories like BARC, IICT and consultancy works for 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 program.

## Undergraduate and 5-year Integrated Programs

B C A (Bachelor of Computer Applications)	B.Sc. (Biochemistry, Microbiology, Chemistry)
B E M (Bachelor of Environmental Management)	B.Sc. (Biochemistry, Microbiology, Bioinformatics)
B.Sc. (Maths, Physics, Chemistry)	B.Sc. (Biochemistry, Chemistry, Bioinformatics)
B.Sc. (Maths, Physics, Electronics)	B.Sc. (Biotechnology, Chemistry, Microbiology)
B.Sc. (Maths, Physics, Computer Science)	B.Sc. (Hons.) Food Technology
B.Sc. (Maths, Statistics, Computer Science)	Integrated M.Sc. Biotechnology
B.Sc. (Maths, Electronics, Computer Science)	Integrated M.Sc. Chemistry (Sponsored by Laurus Labs)

## Postgraduate Programs

M.Sc. Applied Mathematics	M.Sc. Electronics Science
M.Sc. Biochemistry	M.Sc. Environmental Science
M.Sc. Bioinformatics	M.Sc. Food Science & Technology
M.Sc. Biotechnology	M.Sc. Microbiology
M.Sc. Chemistry (Analytical/ Organic/ Pharmaceutical Chemistry)	M.Sc. Physics
M.Sc. Data Science	MCA (Master of Computer Applications)
M.Sc. Earth Science	

# ADMISSION INFORMATION

## I. FOR ADMISSION TO M.Sc. PROGRAMS:

Candidates seeking admission to various M.Sc. programs of GITAM Institute of Science, GITAM (Deemed to be University) are required to appear for GITAM Science Admission Test (**GSAT - 2018**) to be held at various centers 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 programs 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 2018 are also **eligible**.

Each test comprises 60 multiple choice questions from the syllabus which can be downloaded from the GITAM website **www.gitam.edu**.

### Examination pattern of GSAT-2018:

Course into which admission is sought	Test Code No.	Subject of the test	No. of questions	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/Pharmaceutical)	103	Chemistry	60	60	1 hour
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
M.Sc. Earth Science			60	60	1 hour
M.Sc. Data Science	106	Computer Science	60	60	1 hour
Master of Computer Application			60	60	1 hour

**NOTE:** Candidates are required to apply separately for each test. Fee for each test is Rs.500/-  
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

**Eligibility Criteria for PG programs:**

<b>Sl. No.</b>	<b>Eligibility for admission into</b>	<b>Qualifying examination with specialization at degree level</b>
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	B.Sc. with Electronics/Physics, Mathematics Science and any other subject
4	M.Sc. Chemistry (Analytical / Organic/ Pharmaceutical)	B.Sc. with Chemistry as one of the subjects
5	M.Sc. Biochemistry	B.Sc. with Life Sciences / Chemistry / BEM / B.A./ B.Sc Food Science / Home Science / B.Tech. in allied subjects / B.Pharm / B.P.T. / M.L.T
6	M.Sc. Biotechnology	
7	M.Sc. Microbiology	
8	M.Sc. Food Science & Technology	
9	M.Sc. Bioinformatics	Same as Life Science programs (5-8) (or) B.Sc. with Mathematics /Physics/ Computer Science/ BCA
10	M.Sc. Environmental Science	BEM/ B.Sc. in Life Sciences or Physical Sciences / B. Tech. / B. Pharm. Science
11	M.Sc. Earth Science	BEM or any B.Sc. degree
12	M.Sc. Data Science	Any degree with Mathematics at +2 level or Degree level or equivalent examination
13	MCA	

**II. FOR ADMISSION TO UG PROGRAMS :** GITAM Institute of Science offers the following programs for Intermediate / +2 candidates.

S.No.	Program	Eligibility	Test Code
1	BCA (Bachelor of Computer Applications)	Intermediate/ +2 or equivalent	107
2	BEM (Bachelor of Environmental Management)	Intermediate/ +2/ Vocational or equivalent	
3.	B.Sc. (Maths, Physics, Chemistry)	Maths, Physics and Chemistry at Intermediate/+2	
4	B.Sc. (Maths, Physics, Electronics)		
5	B.Sc. (Maths, Physics, Computer Science)		
6	B.Sc. (Maths, Electronics, Computer Science)		
7	B.Sc. (Maths, Statistics, Computer Science)	Intermediate / +2 with Maths	
8	B.Sc. (Biochemistry, Microbiology, Chemistry)	Physics, Chemistry and Maths/ Biology at Intermediate/ +2 / D.Pharmacy/ vocational course with Fisheries/Sericulture/ Dairying/D.MLT	
9	B.Sc. (Biochemistry, Microbiology, Bioinformatics)		
10	B.Sc. (Biochemistry, Chemistry, Bioinformatics)		
11	B.Sc. (Biotechnology, Chemistry, Microbiology)	Physics, Chemistry and Maths / Biology at Intermediate/ +2	
12	B.Sc. (Hons.) Food Technology		
13	Five year Integrated M.Sc. Biotechnology  (with an option to secure B.Sc. at the end of 3rd year and B.Sc. (Hons.) at the end of 4th year)		
14	5 Year Int. Chemistry (Sponsored by Laurus Labs)		108

Candidates seeking admission to the above programmes are required to appear for an entrance test GSAT - 2018 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 programs 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 2018 are also eligible.

**Test No.107 Examination pattern:**

Section	Subject	No. of questions	Maximum Marks
A	General	20	20
B	Biological Sciences	40	40
C	Physical Sciences	40	40

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

**III. TEST CODE. NO. 108**

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

Test consists of three sections A (Chemistry), B (Physics), C (Mathematics / Biology)

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

  

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

**IV. TEST CENTRES (for both Postgraduate and Undergraduate courses) \*:**

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

\* Test No: 108 - Five year Integrated M.Sc. Chemistry (sponsored by Laurus Labs) test will be conducted in Visakhapatnam only.

**V. HOW TO APPLY**

- Applications can be downloaded from GITAM website [www.gitam.edu](http://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.550/- (inclusive of Test fee Rs. 500/-) drawn in favour of Principal, GITAM Institute of Science payable at Visakhapatnam on any scheduled bank. Request by post will be accepted till **20th April 2018 for PG and 21st May, 2018 for UG programs**. The test fee for Five year Integrated M.Sc. Chemistry sponsored by Laurus Labs is Rs. 600.

**VI. Candidates appearing for more than one test need to submit separate application along with the prescribed fee of Rs.500/- for each test.**

Filled in applications along with attested copies of the following certificates and the prescribed fee of Rs.500/- or Rs. 600 as the case may be should reach the Principal, GITAM Institute of Science, GITAM(Deemed to be University), Rushikonda, Visakhapatnam-530 045, A.P., India on or before 25.04.2018

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 programs. Intermediate / 10 +2 certificate in the case of candidates appearing for UG programs
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/Aadhar Card

## **VI. 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 (Deemed to be University) at Tel No. (0891) 2840516/452/ 450 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](http://www.gitam.edu).

## **VII. 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.

## **VIII. Admission/Selection**

Those who qualified will be intimated through mail/SMS.

## **IX. RESERVATION OF SEATS**

Admission to various courses of study shall be made on the basis of GSAT - 2018 rank and eligibility criteria subject to the rule of reservation as applicable to GITAM.

## **X. IMPORTANT DATES**

### **Last date for receipt of filled in applications**

UG 21.05.2018

PG 25.04.2018

### **Test date**

UG 09.06.2018

PG 05.05.2018

For any information, please contact **Principal, GITAM Institute of Science (0891-2840516, 2840452, 2840450; [principal\\_science@gitam.edu](mailto: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.*

1. **Test Code:** For example, if Life Sciences 104

Programme	Code No.	Programme	Code No.	Programme	Code No.
Mathematics	101	Environmental Science Earth Science	105	Integrated	108
Physics/Electronics	102	BEM/Integrated M.Sc. (Biotech.)/ B.Sc., BCA	107	M.Sc.(Chem.)	
Chemistry	103	MCA and Data Science	106		
Life Sciences	104				

2. **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

- Duly filled in application form along with the prescribed fee of Rs.500/- (DD should be drawn in favour of Principal, Institute of Science, GITAM and payable at Visakhapatnam). The test fee for Five year Integrated M.Sc. Chemistry sponsored by Laurus Labs is Rs. 600/-.
- 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.
- Copy of Date of Birth Certificate (SSC / ICSE/CBSE / Matriculation certificate)
- Copy of Caste Certificate issued by appropriate authority for claiming reservation under SC/ST
- Copy of Medical Certificate issued by appropriate authority for claiming under PH category



# **GITAM (Deemed to be 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

Accredited by NAAC with 'A+' Grade

**DUPLICATE**

## **GSAT - 2018**

### **GITAM Science Admission Test**

UG & PG Programmes for the academic year 2018 - 19

### **HALL TICKET**

Test Code :

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

Test Centre :

Name of the candidate  
(in capital letters)

Name of the Parent/Guardian

Signature of the candidate

Recent Passport  
size Photograph



# **GITAM (Deemed to be 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

Accredited by NAAC with 'A+' Grade

**ORIGINAL**

## **GSAT - 2018**

### **GITAM Science Admission Test**

UG & PG Programmes for the academic year 2018 - 19

### **HALL TICKET**

Test Code:

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

Test Centre :

Name of the candidate  
(in capital letters)

Name of the Parent/Guardian

Signature of the candidate

Recent Passport  
size Photograph

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





## Unique features

- \* A top class deemed to be 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
- \* Round-the-clock Medical facility
- \* 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 2200 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





## 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: +91-891-2840516/450/452, EPABX: 2790101, Fax: 2790032

Mobile: +91- 9440025015, 9866551591

E-mail: principal\_science@gitam.edu

For more information : [www.gitam.edu](http://www.gitam.edu)