



SRI SATHYA SAI UNIVERSITY

Information Handbook



*Prasanthi Nilayam
Campus*



*Anantapur
Campus*



*Brindavan
Campus*





SRI SATHYA SAI UNIVERSITY

*(Established u/s 3 of the UGC Act, 1956
Accredited by NAAC at A++ level)*

Founder Trustee & Chancellor
Bhagavan Sri Sathya Sai Baba

Vice Chancellor
Sri A V Gokak, IAS (Retd.)

Registrar
Prof. A V Lakshminarasimham

Controller of Examinations
Prof. M Nanjundaiah

Vidyagiri, Prasanthinilayam – 515 134
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Bhagawan Sri Sathya Sai Baba
Chancellor

Sri Sathya Sai University

Prasanthi Nilayam - 515 134, Anantapur Dist., A.P.

Dear students!

Be like the star which never
wavers from the crescent but
is fixed in steady faith.
When the sun is over your head;
there will be no shadow; so too
when faith is steady in your
heart, it should not cast any
shadow of doubt.

Do not take ill of others; take
only of the good in them; all
are good; if you see bad in
them, it is because there is
bad in you; if you do not like
someone, do not mix with him.

Grace is the sunlight which
will ripen the fruit; Sadhana
is the sap which rises from
earth. Both are needed by the
tree in order that it may
yield fruit.

With salutations
Dada.



गणेशाय नमः
सरस्वत्यै नमः
श्री गुरुभ्यो नमः
हरिः ॐ

1. THE UNIVERSITY - A BROAD PERSPECTIVE

The **Sri Sathya Sai University** (formerly Sri Sathya Sai Institute of Higher Learning) was founded on November 22, 1981, by **Bhagavan Sri Sathya Sai Baba**. An autonomous body, it has been recognized by the Ministry of Education, Government of India, and the University Grants Commission (UGC), as a Deemed University vide their notification no.F9-11/81-U.3 dt.10.11.1981. The University has been admitted as a regular member of the Association of Indian Universities vide their letter no. Meet/Reg.Memb/86/97596 dt.20.4.1986. The University which grew out of the Colleges founded earlier by Bhagavan Sri Sathya Sai Baba at Anantapur (A.P.), Whitefield (near Bangalore, Karnataka) and Prasanthinilayam (A.P.), aims at imparting Integral Education, development of character being considered the primary objective of education. In practical terms, the programmes offered by the University seek to combine the best of both our ancient traditions, and modern advancements. While the foundations are the eternal human values, the superstructure relates to today's Society. The University subscribes wholly to the concept and practice of national integration and has adopted an open admission policy, based on merit, encouraging the enrollment of boys and girls from all over the country. In order to effectively mould the student's personality, hostel living has been made compulsory and patterned in the ancient *Gurukula* style.

Bhagavan Baba is not only the Founder of the University, but also its Revered Chancellor. Extremely dear to Bhagavan Baba are the eternal principles of **Sathya, Dharma, Santhi, Prema** and **Ahimsa**. All aspects of the University seek to reflect these noble ideals.

Bhagavan Baba has repeatedly declared that Education is for life and not for making a living. Accordingly, class-room work, hostel life and extra-curricular activities have all been designed to blend, mesh and to achieve a coherent development of the body, the mind and the soul of the student. The watchwords are: **Duty, Discipline and Devotion**. The focus is on purity, and the harmony of thought, word and deed (*Trikaranasuddhi*).

Bhagavan Baba has set the goal that when the students graduate from the University, they should be fully imbibed with noble ideas, patriotic fervour, compassion for the downtrodden, a desire for selfless service, and above all the firm determination to uphold *Sathya* and *Dharma* by observing the twin Vedic injunctions:

Sathyam Vada (Always speak the Truth)
Dharmam Chara (Always engage only in Righteous action)

This University is committed to the responsibility of education as stated by Bhagavan: "... Education must teach a person what life is, and its goal. It must purify the heart and clarify the vision. It must prevent pollution of heart and hand by habits injurious to the individual, the society and the nation. It must promote virtues and raise the moral and spiritual standards of the educated. There is an ancient axiom which says education imparts humility; humility ensures credibility; credibility brings wealth; wealth induces charity; charity confers peace and joy, here and hereafter."

In practical terms, the students are taught to:

**Love all and Serve all
Help ever and Hurt never.**

The University has several distinctive features. The more important among them are:

- ❖ **Residential character** of the University with students and faculty staying on the Campuses.
- ❖ **An open admission policy** enabling students from all over the country to seek admission to various courses, irrespective of income, class, creed, religion or region, making it truly national in character.
- ❖ **Merit based selection** through a very comprehensive testing and interviewing procedure giving adequate weightage to intellectual attainments and intuitive insight.
- ❖ **Free Education:** The University does not charge any type of fees - tuition fees, laboratory fees, library fees, examination fees, caution deposit and the like.
- ❖ **English as the medium of instruction** at all levels.
- ❖ **Development of Scientific Research** at the doctoral level relevant to the local and national needs; introduction of educational technology through the installation of a modern space theatre in rural surroundings providing an opportunity for the students and the faculty to develop various kinds of simulation exercises and also formulate programmes of a creative and constructive character.
- ❖ **Integrated courses** of five years duration in order to promote talent.
- ❖ **A very favourable teacher-pupil ratio** for closer rapport between students and faculty.
- ❖ **Maximum number of working days**, fuller utilisation of national holidays and important festivals for educational purposes and extension work.

The success of the University in upholding these high ideals may be judged from the fact that everything operates with clockwork precision. In particular, there is never any student unrest. Examinations are always held on schedule as announced, and the Annual Convocation of the University invariably takes place on November 22. Sai students are scattered throughout the Globe, and wherever they are, they remain committed to the values they had imbibed while studying.

Understandably, the University has received high praise from eminent people, as the following quotes testify:

The purpose of real education is to initiate a learning process that transforms students into good human beings with knowledge and value systems. Is value based education possible? Sri Sathya Sai Institute of Higher Learning has given an answer in the affirmative. I am in a place where university learning takes place in a divine environment. Here students get education with a value system. I would like to congratulate Sri Sathya Sai Institute of Higher Learning for this noble education.

- Dr. A P J Abdul Kalam, President of India (Convocation, November 2002)

The students of this University are not just students, but seekers of truth. The divine guidance of Bhagavan Baba has elevated even education to the level of worship of God. The education imparted here is of the liberative kind. It addresses both 'apara' and 'para' aspects of man & society. The higher learning which the pupils here receive facilitates their integral development, and enables them to become better human beings with a finer, culturally richer character.

- Sri Atal Bihari Vajpayee, Prime Minister of India (Convocation, November 1998)

The concept of Integral Education which is a Divine gift of Bhagavan Baba to this University, comes closest to ancient ideals. Blessed indeed are the students who have had the privilege of going through an ancient programme which combines deep appreciation of the method of modern science and technology and the ancient Indian knowledge and wisdom accumulated over the centuries. This type of education can be a powerful means of self-perfection and social redemption.

- Dr. Manmohan Singh, Finance Minister of India (Convocation, November 1995)

It is indeed rare to find Institutions of higher learning like the Sri Sathya Sai Institute of Higher Learning, where students receive free education, where voluntary service prevails, and where the acquisition of knowledge and wisdom is combined with duty and devotion.

What is unique at this University is that it is founded by Bhagavan Baba; it is inspired by His teachings, and is guided by His concept of a wholesome education based on the fundamental values of Truth, Righteousness, Peace, Love and Non-violence.

- Rt. Hon. Anerood Jugnauth, Prime Minister of Mauritius (Convocation, November 1993)

I am deeply impressed by the infrastructure, atmosphere, equipment and human resources organized for imparting education at Vidyagiri. The Campuses at Prasanthinilayam, Brindavan and Anantapur are an invaluable asset in the crucial task of promoting Integral Education. Indeed, these constitute a blessing of far-reaching significance. There is much to be learnt here by the student, the teachers, educationists and policy-makers.

- Dr. Shankar Dayal Sharma, President of India (Convocation, November 1992)

This University is a pioneering and unique seat of Learning; spiritual and ethical values permeate this University. The atmosphere here is calm, solemn and serene, and is surcharged with spiritual ethos. It is in such an environment that our ancient Rishis transmitted knowledge to their disciples. It is for this reason that I feel happy to be here. For myself, I would like to humbly study this Institution, understand the process of how it grew from strength to strength, and then see what can be done to extend the influence and the halo of this University far and wide in India.

- Sri P V Narasimha Rao, Prime Minister of India (Convocation, November 1991)

To the Graduates, I would like to say: ... You have received all-round instruction through the System which your University appropriately calls "Integral Education". But above all, you have received here a sense of Human Values - Values which are common to all the religious faiths of the world, indeed common to human-kind.

- Sri R Venkatraman, President of India (Convocation, November 1990)

Accreditation by NAAC

The National Assessment and Accreditation Council (NAAC) was established by UGC in 1994 with its headquarters at Bangalore, for the assessment and accreditation of higher education institutions. For carrying out this exercise of assessment and accreditation in an objective and realistic manner it has evolved seven criteria based on international parameters contextualized to Indian conditions: 1) Curricular Aspects, 2) Teaching-learning and Evaluation, 3) Research, Consultancy and Extension, 4) Infrastructure and Learning Resources, 5) Student support and Progression, 6) Organisation and Management, and 7) Healthy Practices.

The peer team from the NAAC visited the University from 2nd to 4th December, 2002.

Some excerpts from NAAC report:

“The Peer Team puts on record its appreciation for providing the members of the Team the opportunity to spend time with the University faculty and the students so as to develop a thorough insight into the higher education process of the Sri Sathya Sai University, particularly the integral higher education interwoven in the blue print and design of higher education products. This made us realize that there is a way to correct our already degrading university education system in India, if we decide to do so”.

“In the present context, when we witness conflicts all over globally, there is a need for the role of higher education, in shaping the character and inculcating higher principles in individuals. Education in human values is imperative for rebuilding the fabric of society and ushering harmony and peace all-round. The integral education system of this University is a tested model designed to provide a balanced combination of academic excellence and social awareness among the students, with beneficial consequences to the individual and the society”.

“The Peer Team feels that this University stands out as a crest-jewel among the University education system in the country and this model is worthy of emulation by the institutions of higher learning in the country and elsewhere, so that these benefits would be reaped fast and on the widest possible scale”.

Accreditation Status

The National Assessment and Accreditation Council has granted accreditation at the A⁺⁺ level to the Sri Sathya Sai University for five years, from 2002-03. This places the University in the top bracket of the Indian Universities.

2. THE UNIVERSITY AND ITS CAMPUSES

The Central Administrative Office of the University is located in Prasanthinilayam, A.P., while Academic instruction is imparted in three constituent Colleges located in three different Campuses. To each College is attached a residential Hostel.

The three Campuses are:

- 1) Anantapur Campus (for women)
- 2) Brindavan Campus (for men)
- 3) Prasanthinilayam Campus (for men)

Of the above, the Prasanthinilayam Campus is the main one, as it does not only have specialized research and computer facilities, but also the Central Library, the Multi media Learning Centre, the Planetarium, and the Museum of Eternal Heritage. The addresses of the three Campuses are as below:

Anantapur Campus:

Anantapur Campus
Sri Sathya Sai University
Anantapur - 515 001, Andhra Pradesh
Phone: (08554) 272567 Hostel: 273122
Email: principal.atp@sssu.edu.in

Brindavan Campus:

Brindavan Campus
Sri Sathya Sai University
Kadugodi P.O.
Bangalore - 560 067, Karnataka
Phone: (080) 28452329 Hostel: 28452233
Email: principal.brn@sssu.edu.in

Prasanthinilayam Campus:

Prasanthinilayam Campus
Sri Sathya Sai University
Prasanthinilayam - 515 134
Anantapur District, Andhra Pradesh
Phone: (08555) 287235 Hostel: 287234, 287474
Email: principal.psn@sssu.edu.in

3. COURSES OFFERED

The following courses are offered in the three Campuses:

ANANTAPUR CAMPUS: (For Women)

Undergraduate Courses: (Duration: 3 years)

- 1) **B.A.** (with one of the following subjects being the major subject during the third year: History & Indian Culture, Economics, Philosophy, Political Science, Optional English or Optional Telugu)
- 2) **B.Com.(Hons.)**
- 3) **B.Sc.(Hons.)** Mathematics
- 4) **B.Sc.(Hons.)** Physics
- 5) **B.Sc.(Hons.)** Chemistry
- 6) **B.Sc.(Hons.)** Biosciences
- 7) **Bachelor of Home Science**

Postgraduate Courses: (Duration: 2 years)

- 1) **M.A.** (English Language & Literature)
- 2) **M.A.** (Telugu Language & Literature)
- 3) **M.Sc.** (Biosciences) with specialization in:
(a) Biotechnology and (b) Mycology & Plant Pathology
- 4) **Master of Home Science** with specialization in
(a) Food Science and Nutrition and (b) Food Technology.

Professional Course: (Duration: 1 year)

B.Ed. (Bachelor of Education)

Research Programmes:

- 1) **M.Phil.** - Duration: 1½ years
- 2) **Ph.D.**

BRINDAVAN CAMPUS: (For Men)

Undergraduate Courses: (Duration: 3 years)

- 1) **B.Com.** (Hons.)
- 2) **B.Sc.**(Hons.) Mathematics
- 3) **B.Sc.**(Hons.) Physics
- 4) **B.Sc.**(Hons.) Chemistry
- 5) **B.Sc.**(Hons.) Biosciences

PRASANTHINILAYAM CAMPUS: (For Men)

Undergraduate Courses: (Duration: 3 years)

- 1) **B.A.** (with one of the following subjects being the major subject during the third year: Economics, History, Political Science, Optional English)

Note: Those students who show exceptional academic performance in the first two years may be offered B.A.(Hons) in Economics in the third year.

- 2) **B.A.** (Hons.) Economics
- 2) **B.Sc.** (Hons.) Mathematics
- 3) **B.Sc.** (Hons.) Physics
- 4) **B.Sc.** (Hons.) Chemistry
- 5) **B.Sc.** (Hons.) Biosciences
- 6) **B.Sc.** (Hons.) Economics

Postgraduate Courses: (Duration: 2 years)

- 1) **M.A.** Economics
- 2) **M.Sc.** Mathematics with specialization in: (a) Pure Mathematics (b) Applied Mathematics (c) Computer Science (d) Functional Analysis & Applications (e) Decision Theory

- 3) **M.Sc.** Physics with specialization in: (a) Photonics (b) Nuclear Physics
(c) Electronics
- 4) **M.Sc.** Chemistry
- 5) **M.Sc.** Biosciences with specialization in: (a) Biotechnology
(b) Mycology & Plant Pathology

Professional Courses:

- 1) **M.B.A.** - Duration: 2 years
- 2) **M.B.A.** (Finance) - Duration: 2 years
- 3) **M.Tech.** (Computer Science) - Duration: 1½ years
- 4) **M.Tech.** (Applied Optics: Fiber Optics
and Digital Image Processing) - Duration: 1½ years

Research Programmes:

- 1) **M.Phil.** - Duration: 1½ years
- 2) **Ph.D.**

***Note:** The M.A. & M.Sc. courses have been designed as part of the comprehensive five-year courses, leading from the UG level to the Master's degree. Candidates admitted to the UG courses are eligible for admission to the PG courses, provided they secure a minimum CGPA as prescribed by the University in the Bachelor's degree.*

4. MEDIUM OF INSTRUCTION

The medium of instruction is English for all classes, except those where vernacular languages are taught. Here the instruction would be in the language concerned or bilingual, as appropriate.

5. M.PHIL. & DOCTORAL PROGRAMMES

Students of high academic calibre may be enrolled for M.Phil. and Doctoral Programmes in the Postgraduate departments of the University, subject to their meeting various criteria.

6. FACILITIES

All the Campuses are provided with adequate facilities, not only for imparting academic instruction but also for playing games, developing physical fitness and for various cultural activities. In addition, the Prasanthinilayam Campus has a well-equipped Computer Centre, which includes also facilities for students doing advanced work in Computer Science and Applications and a Multi media Learning Centre which includes facilities of video-conferencing. Particular mention may be made of the availability of several DEC-ALPHA systems and satellite machines, suitable for work in areas such as neural networks, artificial intelligence and image processing. The various Postgraduate Science departments are all adequately equipped, and have a good complement of state-of-the art equipment like lasers of various types including high-power

Nd:YAG Laser System, Si(Li) and HPGe detector, fiber-optic equipment, FT-NMR, FT-IR, UV-VIS spectrometer, GCMS, Scanning Electron Microscope, Optical microscopes of various kinds, Spectroscopic instruments, Nuclear instruments, Microprocessor kits etc. These facilities are available not only to the research scholars, but also to Postgraduate students.

7. ACADEMIC PROGRAMMES

General Remarks:

The University operates on the Semester system, there being two Semesters in the Academic Year. Thus, the UG Programme which is of three-year duration, will span six Semesters.

The Academic Year will commence in late May or early June of a Calendar Year, and extend upto March 31 of the following Calendar Year.

The Credit Scheme is followed as per the Unit System of Studies. According to this, each course carries a "Credit" value relating to the weekly load for each Semester. One Credit is assigned to one hour of lecture or 2-3 hours of laboratory work per week, throughout the Semester.

The Grade-Point Average (GPA) system is followed for evaluating academic performance, and the performance over the entire course is established via the Cumulative Grade Point Average (CGPA).

Undergraduate Programmes:

Languages

All students, irrespective of the Course they are admitted to, would have to take courses in:

- a) General English, and
- b) Hindi or Telugu or Sanskrit.

In exceptional cases, where the student does not have an adequate background in Hindi or Telugu or Sanskrit, he/she will be permitted to take a course in Additional English.

B.Sc. (Hons.)

Students admitted to the B.Sc.(Hons) Course will, during the first two years, be given a pertinent, broad based training; the third year is set apart for specialization in a particular subject.

On admission, the student would have to choose one of the following subject combinations for study during the first two years.

- a) Mathematics, Physics, Chemistry (available in all Campuses)
 - b) Chemistry and Biosciences (available in all Campuses)
 - c) Mathematics, Economics, Statistics (available only in Prasanthinilayam Campus)
- ❑ Students choosing the Chemistry and Biosciences combination can specialize either in Chemistry or in Biosciences during the third year.
 - ❑ Men students choosing the Mathematics, Economics, Statistics combination would have option of specializing in Mathematics or Economics during the third year.

- In the case of students opting for the Mathematics, Physics, Chemistry combination, three options are available. During the third year the student can specialize in Mathematics or Physics or Chemistry.

In all cases where options are available, the student would be asked to indicate his/her preference. While every effort would be made to accommodate the student's choice, the University reserves the right to make the final allocation in accordance with its own internal criteria.

B.Com. (Hons.)

The B.Com. (Hons) is a self-contained three-year course, whose academic content is at the Honours level and the syllabus outline is given in the annexure.

Bachelor of Home Science

The Bachelor of Home Science is a three-year composite course and the syllabus outline is given in the annexure.

B.A.

Students studying for the B.A. degree would have to major in one subject, which implies studying that particular subject in greater depth in the third year. The subjects' options are described in Section 3. Based on their aptitude as well as class-room performance, students would be guided by Teachers in the choice of the Major Subject.

Environment

In addition to Languages and Core subjects, UG students would also have to attend courses on the Environment (during the first two Semesters).

Postgraduate Programmes:

M.A., M.Sc. & Master of Home Science

These Courses are similar to those offered elsewhere and the syllabus outline for each course is given in the annexure.

Professional Programmes:

M.B.A. & M.B.A. (Finance)

These are two allied and closely related Programmes, designed to train the students in Business as well as Financial Management. What is unique about these courses offered in the University are: a) the stress on basic values, b) emphasis on Leadership, c) focus on the practical aspects, and d) attention to problems of the Nation as well as of the Rural Sector.

The Management course content is value-oriented. We do not run a placement programme at the end of the MBA / MBA (Finance) courses deliberately as a matter of policy.

M. Tech. (Computer Science)

This course aims at equipping the students with skills both in the theoretical aspects of Computer Science as well as in various types of practical applications.

M. Tech. (Applied Optics)

The course equips the students with the advanced aspects of optoelectronics theory as well as hands on experience with application oriented experiments using the state-of-the-art equipment. Topics like Photonics switching and Networking, Broadband Communication and Information Systems. Network security and Management, Digital Image Processing, Digital Signal Processing, Wireless Communications, Telecommunication Technologies, Telecom Networking are some of the elective courses that are offered in addition to the core optoelectronics courses. Software laboratories are an added emphasis on developing software skills.

B.Ed.

This is a two-semester professional programme, intended to impart teacher training, with due emphasis on human values.

Spiritual Awareness

In view of the strong emphasis laid on moral, ethical and spiritual values, courses are also given on Spiritual Awareness at both UG & PG levels.

Integral Items of Education

The Integral items of education are applicable to all students, irrespective of the course they are admitted to. The University attaches great importance to this component of education. Included in the category of Integral items are:

- a) Yogasanas, Games and Sports
- b) Prayer and meditation (in the Hostel)
- c) College Prayer
- d) Social Work and Self-reliance programmes
- e) Regular attendance at class
- f) Disciplined behaviour in the classroom as well as elsewhere

Students are continuously assessed on these items. The Final Grade statement of the student takes into account the Grades awarded under the category of Integral items also.

Brief description of the contents of all Courses is available in the Annexure

8. FEES

In keeping with Bhagavan Baba's principle that education must be offered free and be made available to all eligible, the University **does not charge any fee whatsoever**, be it tuition fees, laboratory fees, library fees, sports fees, examination fees, medical fees etc. Caution deposits of various kinds (e.g., for the Library and the Laboratory) are also totally waived.

9. BOOKS

Students are expected to purchase the recommended books for a minimum of Rs.500/- per year.

10. EDUCATIONAL TOURS

Expenses on Educational Tours, if any, have to be borne by the students.

11. RESERVATION OF SEATS UNDER SC/ST CATEGORIES

- a) Scheduled Castes: 15% - If sufficient number of candidates are not available to fill up the seats reserved for SCs, they shall be filled up by ST candidates. The left over seats, if any, shall be filled up by the candidates from the general pool.
- b) Schedule Tribes: 7½% - If sufficient number of candidates are not available to fill up the seats reserved for STs, they shall be filled up by SCs. If ST seats still remain unfilled, they shall be filled up by the candidates from the general pool.

12. ELIGIBILITY FOR APPLYING

Undergraduate Programmes:

1. The candidates should have completed 10 + 2 or 12 years of schooling of a recognized Board or CBSE, or equivalent thereof.
2. The candidates should have either passed or appeared for the Final Qualifying Examination at the XII Standard level before the date of Admission Test.
3. At the X Standard level, the candidate should have secured
 - a) a minimum of 55% marks in General English, and
 - b) a minimum of 60% marks in aggregate in all the subjects including General English and languages.
 - c) candidates belonging to Scheduled Castes/Scheduled Tribes are entitled to a relaxation of 5% marks.
4. Candidates who fall marginally short of the requirement in Para 3 may be considered for admission test, provided they have secured in the XI Standard,
 - a) a minimum of 55% marks in General English and
 - b) a minimum of 60% marks in aggregate in all the subjects including General English and languages.
 - c) candidates belonging to Scheduled Castes/Scheduled Tribes are entitled to a relaxation of 5% marks.

B.Ed., and Postgraduate Programmes:

1. The candidates should have had formal education for a minimum of 15 years, i.e., the 10 + 2 + 3 pattern or any other pattern recognized as equivalent thereto by the University.
2. The candidates should have passed or appeared for the Final Qualifying Examination at the Bachelor's degree level before the date of Admission Test.
3. Candidates who have passed the Final Qualifying Examination must have secured a minimum of 50% marks in General English and 60% marks in aggregate of all subjects. If

CGPA is awarded, the eligibility is 3.5 and above in 5 point-scale grading with 'B' Grade in General English.

4. Candidates who have appeared for the Final Qualifying Examination but whose results have not yet been declared are also eligible to apply, provided:
 - a) They have secured a minimum of 50% marks in General English and a minimum of 60% marks in aggregate in all the preceding Years/Semesters put together,

OR

 - b) "B" Grade in General English and a GPA of 3.5 and above in all the preceding Semesters / Years put together.
 - c) candidates belonging to Scheduled Castes/Scheduled Tribes are entitled to a relaxation of 5% marks.
5. For B.Ed. Programme, the University offers teaching methodology in the following subjects only: *English, History, Civics, Mathematics, Physics, Chemistry, and Biology*.
Candidates who have studied any two of the above subjects in their qualifying degree should only apply. They have to appear for admission test also in the same subjects.
6. For M.Sc.(Home Science) Programme with specialization in a) Food Science and Nutrition and b) Food Technology, candidates of *B.Sc.(Bioscience)/B.Sc.(MPC)* background are also eligible to apply.

M.B.A. and M.B.A. (Finance) Programmes:

1. The candidates should have had formal education for a minimum of 15 years, i.e., the 10 + 2 + 3 pattern or any other pattern recognized as equivalent thereto by the University.
2. The candidates should have passed or appeared for the Final Qualifying Examination at the Bachelor's degree level before the date of Admission Test.
3.
 - a) Candidates who have passed the Final Qualifying Examination must have secured a minimum of 50% marks in General English and 60% marks in aggregate of all subjects including General English and Languages. If CGPA is awarded, the eligibility is 3.5 and above in 5 point-scale grading.
 - b) Candidates belonging to Scheduled Castes/Scheduled Tribes are entitled to a relaxation of 5% marks.
4. Candidates who have appeared for the Final Qualifying Examination but whose results have not yet been declared are also eligible to apply, provided:
 - a) They have secured a minimum of 50% marks in General English and a minimum of 60% marks in aggregate in all the preceding Years/Semesters put together,

OR

 - b) "B" Grade in General English and a CGPA of 3.5 and above in all the preceding Semesters/Years put together.
 - c) Candidates belonging to Scheduled Castes/Scheduled Tribes are entitled to a relaxation of 5% marks.

5. Candidates who have obtained a Postgraduate degree and secured a minimum of 60% aggregate or CGPA of 3.5 in the Postgraduate degree Examination, may be considered for admission at the discretion of the University, provided they have secured a minimum of 50% or 'B' Grade in General English in the Bachelor's degree Examination.
6. The minimum requirement of General English is exempted for candidates of Technical Courses like B.E., B. Tech., B.Pharm., B.Sc.(Agri) etc.

M.Tech. (Computer Science) Programme:

1. The candidate should have completed one of the following:
 - a) B.Sc. / B.Sc.(Hons.) and M.Sc.(Mathematics) or M.Sc.(Physics) or M.Sc.(Computer Science) or M.C.A.,
 - b) B.E.(Computer Science) / B. Tech.(Computer Science)
2. The candidate must be familiar with the following topics of Computer Science and the elements of Mathematics. **Computer Science:** Data Structures and Simple Algorithms, Computer Organisation and Architecture, Data communications and Networks, Data base Systems, Languages Translators. **Mathematics:** Calculus of one and several variable, Sequence and Series, Linear Algebra and Matrix Theory, Differential equations and Laplace Transforms, Mathematical logic.
3. The candidate should have passed or appeared for the Final Qualifying Examination at the Bachelor's degree level before the date of Admission Test.
4. Candidates who have passed the Final Qualifying Examination must have secured a First Class (60% and above) in
 - a) B.Sc./B.Sc.(Hons) and M.Sc./M.C.A. **OR**
 - b) B.E. (Computer Science) / B.Tech. (Computer Science)
 as applicable. If CGPA is awarded, the minimum eligibility is 3.5 (equivalent to 60%), in each of the Qualifying Examinations appeared for.
5. Candidates who have appeared for the Final Qualifying Examination but whose results have not been declared are also eligible to apply, provided they have secured
 - a) a minimum of 60% aggregate, or
 - b) a minimum CGPA of 3.5 in 5 point-scale grading
 in all the preceding Years/Semesters put together.
6. Candidates belonging to Scheduled Castes/Scheduled Tribes are entitled to a relaxation of 5% marks.

M.Tech. (Applied Optics: Fiber Optics and Digital Image Processing) Programme:

1. The candidate should have completed one of the following:
 - a) B.Sc./B.Sc.(Hons.) and M.Sc.(Physics),
 - b) B.E./B.Tech. with background in Optics and Electromagnetic Theory.
2. The candidate should have passed or appeared for the Final Qualifying Examination at the Bachelor's degree level before the date of Admission Test.

3. Candidates who have passed the Final Qualifying Examination must have secured a First Class (60% and above) in
 - a) B.Sc./B.Sc.(Hons) and M.Sc. **OR**
 - b) B.E./B.Tech.as applicable. If CGPA is awarded, the minimum eligibility is 3.5 (equivalent to 60%), in each of the Qualifying Examinations appeared for.
4. Candidates who have appeared for the Final Qualifying Examination but whose results have not been declared are also eligible to apply, provided they have secured
 - a) a minimum of 60% aggregate, or
 - b) a minimum CGPA of 3.5 in 5 point-scale gradingin all the preceding Years/Semesters put together.
5. Candidates belonging to Scheduled Castes/Scheduled Tribes are entitled to a relaxation of 5% marks.

13. CONFIRMATION OF ADMISSION

Candidates admitted to the University who have already passed the Final Qualifying Examination must, on the opening day, submit to the Principal of the Campus concerned the following:

- i) Marks Certificate and the Pass Certificate of the Final Qualifying Examination.
- ii) Transfer Certificate and Conduct Certificate from the Institution where the student studied last.

In the case of candidates who have appeared for the Final Qualifying Examination but whose results have not yet been declared, admission granted is PROVISIONAL. Confirmation of the admission is subject to the following:

- a) Candidates admitted to the Undergraduate Programme must submit to the Principal of the Campus concerned the **Original Marks Certificate of X Standard**, Transfer Certificate and Conduct Certificate on the opening day and documentary proof of having passed the Final Qualifying Examination (XII Standard or equivalent) before **June 30**. Otherwise, the admission will stand cancelled.
- b) Candidates admitted to the B.Ed., & Postgraduate Programmes must submit to the Principal of the Campus concerned before **June 30**, documentary proof of having passed the Final Qualifying Examination and obtaining a minimum of 50% marks in General English and 60% in aggregate (including General English and Languages) or equivalent. Otherwise, the admission will stand cancelled.
- c) Candidates admitted to the M.B.A./M.B.A. (Finance) Programmes must submit to the Principal of the Campus concerned before **June 30**, documentary proof of having passed the Final Qualifying Examination and obtaining a minimum of 50% marks in General English and 60% in aggregate (including General English and Languages) or equivalent. Otherwise, the admission will stand cancelled.
- d) Candidates admitted to the M.Tech. Programmes must submit to the Principal of the Campus concerned before **June 30**, documentary proof of having passed the Final

Qualifying Examination in First Class (60% and above) or equivalent. Otherwise, the admission will stand cancelled.

- e) In particular, the student should submit the following certificates before **June 30**:
- (i) Marks Certificate and the Pass Certificate of the Final Qualifying Examination.
 - (ii) Transfer Certificate and Conduct Certificate from School / Junior College / College, where the student studied last.

14. INSTRUCTIONS FOR FILLING THE APPLICATION FORM

GENERAL

- Please read carefully the instructions given in this Section before filling the Application Form. In case you have any doubts, consult a knowledgeable elder.
- The Form must be filled in **English** only.
- Use only **CAPITAL** letters, except for the signature.
- In places where you find squares, enter only a single alphabet or character (or a tick mark if explicitly called for).
- Fill in ink only; do not use pencil.
- Paste (do not clip or staple)** a passport size photograph in the place shown. It must be the **most recent** photograph.
- The photograph must be attested by the **Head of the Institution last attended or by a Gazetted Officer**. Attestation means that a person of responsibility actually signs across the photograph and that below the signature there is rubber stamp of the official who is attesting. The Official Stamp must be so imprinted that it overlaps both the photo and the form.
- The numbers that follow refer to the item numbers in the Application Form. Explanatory comments are given with respect to item where such comments are deemed useful or necessary.

COMMON TO ALL i.e., UG, PG, B.Ed., M.B.A./M.B.A.(Fin.) & M.Tech.

(ITEMS 1 to 34 for UG & ITEM 1 to 45 for PG, etc.)

Item 1:

- (i) The name should be as in the Secondary School (X Std) Certificate.
- (ii) Use one box for each letter. Leave one box blank between two words.

Example: V.P. Sumangala Sharma

Fill as:

S	U	M	A	N	G	A	L	A		S	H	A	R	M	A		V		P

Item 3:

If your date of birth is August 31, 1993, you should enter it as follows:

Date	Month	Year
3 1	0 8	1 9 9 3



**C
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n**

**C
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y**







Annual Sports and Cultural Meet



Item 7:**Remarks:**

- (i) If you were born in a country other than India and your parents are normally resident in that country, the nationality you should enter is of that country.
- (ii) If your parents are foreign nationals but currently resident in India, the nationality you should enter is that of your parents.
- (iii) If you were born in a foreign country but your parents are citizens of India and normally live in India, then you should enter INDIAN.

Item 8 & 9:**Example:**

If the address is: 'KUNJ VIHAR', 18/9
9th Cross, II Main
Tilak Marg
Mumbai – 400 012 Ph: 022 - 24657801

Enter it as:

K	U	N	J		V	I	H	A	R		1	8	/	9				
---	---	---	---	--	---	---	---	---	---	--	---	---	---	---	--	--	--	--

9	T	H		C	R	O	S	S		I	I		M	A	I	N		
---	---	---	--	---	---	---	---	---	--	---	---	--	---	---	---	---	--	--

T	I	L	A	K		M	A	R	G									
---	---	---	---	---	--	---	---	---	---	--	--	--	--	--	--	--	--	--

M	U	M	B	A	I													
---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--

State:

M	A	H	A	R	A	S	H	T	R	A								
---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--	--	--	--

Pin Code:

4	0	0	0	1	2	Phone:	0	2	2		2	4	6	5	7	8	0	1
---	---	---	---	---	---	--------	---	---	---	--	---	---	---	---	---	---	---	---

Make sure you Fill item 9. This is the address to which all communication would be sent.**Item 12 & 15:**

The Annual Income quoted must be the CORRECT figure. Do not routinely quote the figure given in the Ration Card. This information is needed to assess whether your parent / guardian can meet the hostel expenses etc.

Item 39 (UG) / Item 45 (B.Ed., etc.):

Mention only the names of your OWN brothers and sisters who studied in one of the three constituent colleges of the University or the Higher Secondary School. Do not give the names of cousins.

SPECIFIC TO UG

At the top right hand corner, there is a BOX with the heading APPLIED FOR. Make sure you put a tick against the course you have applied for.

Item 21:

Here enter the language in which you were taught. If all subjects were taught in English, then enter ENGLISH. If in Telugu then enter TELUGU and so on. Do not enter VERNACULAR, if the Instruction has been in an Indian language.

Item 22:

Here, depending upon the Board Examination you appeared for, enter as per following pattern:

A	N	D	H	R	A						
K	A	R	N	A	T	A	K	A			
K	E	R	A	L	A						
T	A	M	I	L		N	A	D	U		
M	A	H	A	R	A	S	H	T	R	A	
C	B	S	E								

Item 24(2): Here, language means the following:

If	Then
CBSE	Hindi
Andhra Pradesh Board (Telugu/.....)	Whatever entry is there in the first column of the Marks Sheet
Karnataka Board	First Language
Kerala Board	First Language
Maharashtra Board	Marathi
Tamil Nadu Board	Tamil

Remarks:

- (i) Except in the case of CBSE, language here generally means mother tongue/State language, as specified by the Board/Examining Body. Many Boards refer to this as First language.
- (ii) Sometimes, there are two parts to this Language, i.e., Part I and Part II. Enter the TOTAL marks obtained in both Parts.
- (iii) If in addition to English and what the Board usually defines as First Language, you have studied a Third Language (e.g., Hindi or Sanskrit), do NOT enter the marks obtained in that subject.
- (iv) Specify the language you have been examined in (Malayalam, Kannada, etc.).
- (v) Note that you have to enter not only the marks you have scored but also the maximum marks, as illustrated in the examples below.
- (vi) In exceptional cases, where the pattern of examination does NOT conform to that specified in ITEM 24, (e.g., Tamil Nadu Matric, West Bengal Board) the candidate need not enter the marks. However, an attested photocopy of the Statement of Marks issued by the Board / Examining Body (X Std. level) must be attached.
- (vii) All applicants, irrespective of the Board Examination they have appeared for, must attach an attested photocopy of the Statement of Marks issued by the Secondary School Board / Equivalent Examining Body (X Std. level). **The Application will not be considered for registration, if this statement is not attached.**

Example: A student who has appeared for the X Std Examination of the Orissa Board has secured the following marks.

First Language		
Oriya Part I		42 out of 50
Part II		46 out of 50
Second Language		
English Part I		44 out of 50
Part II		39 out of 50
Third Language		
Hindi		38 out of 50
Mathematics		
Part I		45 out of 50
Part II		48 out of 50
Science		
Part I – Physics		42 out of 50
Part II – Chemistry		44 out of 50
Part III – Biology		40 out of 50
Social Studies		
Part I		38 out of 50
Part II		40 out of 50
Total		<u>506 out of 600</u>

The entries in this case should be as follows:

	Out of			Gen. Engl. %						
English	0	8	3	1	0	0	8	3	.	0
Language Oriya	0	8	8	1	0	0				
Mathematics	0	9	3	1	0	0				
Science	1	2	6	1	5	0				
Social Science	0	7	8	1	0	0				
Total	4	6	8	5	5	0	8	5	.	0

Candidates who wish to be considered on the strength of their marks in the XI Standard (see para 4 of Section 11 appropriate to UG programme) must

- enter their X Std. & XI Std. marks in the space provided as instructed above, and
- attach also attested photocopies of the marks obtained in the X & XI Standards.

Item 29:

Two pieces of information must be provided. Firstly, the year when you appeared (appearing) for the XII Standard Board Examination for the FIRST time, and secondly the three / four optional subjects studied by you in the XII Standard.

Example:

2	0	0	7
---	---	---	---

- Mathematics
- Physics
- Chemistry
- Computer Science

Item 30:

In Section 3, the Courses available have been indicated. The candidate's choice must be indicated using the code as explained below.

COURSE	CODE
B.A	B A
Bachelor of Home Science	B H S
B.Sc. (Hons)	B S C
B.Com. (Hons)	B C O M

Item 31:

Candidates are reminded about the following:

- (i) In the case of B.A., the candidate would be required to major in one particular subject. The options available have been given in Section 3.
- (ii) In the case of candidates seeking admission to the B.Sc.(Hons.) course, some options are available, as explained below:
 - a) Candidates having a background in Mathematics in XII Std. could opt for an Honours course, leading to eventual specialization in Mathematics or Physics or Chemistry.
 - b) Candidates interested in life sciences, could opt for the B.Sc.(Hons.) Biosciences course.
- (iii) Apart from General English, applicants to the UG Programme would have to take entrance tests in THREE subjects. The combination of the three subjects depends on the course for which the candidate wishes to apply. In some cases, the combination is fixed while in others there is a choice available. The details are as explained in Section 14.
- (iv) Read Section 14 carefully, select the three-subject combination you would like to be tested in, and enter as explained in the examples below. The codes for the various subjects are as follows:

SUBJECT	CODE	SUBJECT	CODE
Accountancy	AC	History	HT
Botany	BO	Mathematics	MA
Chemistry	CH	Physics	PH
Civics	CI	Political Science	PS
Commerce	CO	Statistics	ST
Economics	EC	Zoology	ZO

Example: Say you would like to study B.A. You have choice in the three-subject combination. Suppose your choice is Economics, History and Political Science, You should then enter:

E	C
---	---

H	T
---	---

P	S
---	---

Example: Say you would like to enroll for the B.Sc.(Hons.) Biosciences Course. In this case there is no choice and you should enter

C	H
---	---

B	O
---	---

Z	O
---	---

Item 32:

As indicated in Item 24, the Language studied in XI & XII Stds may be mentioned.

All applicants, irrespective of the Board Examination they have appeared for, must attach the attested photocopies of the statement of Marks by the Senior Secondary School Board/Equivalent Examining Body (XI & XII Stds). **The Application will not be considered for Registration, if this statement is not attached.**

Example: A student who has appeared for the XI and XII Std. Examinations of the West Bengal State Board has secured the marks as given below:

	XI Std.			Out of			XII Std.			Out of										
English	0	9	0	1	0	0	0	8	5	1	0	0								
Language <i>Tamil.....</i>	0	8	2	1	0	0	0	7	6	1	0	0								
Mathematics	0	8	1	1	0	0	0	8	1	1	0	0								
Economics	0	7	9	1	0	0	0	8	0	1	0	0								
Commerce	0	8	5	1	0	0	0	7	8	1	0	0								
TOTAL	4	1	7	5	0	0	4	0	0	5	0	0								
	Gen. Eng %	9	0	.	0	Agg	8	3	.	4	Gen. Eng%	8	5	.	0	Agg	8	0	.	0

Note: The Science group students should write the practical paper marks along with the theory papers marks.

Item 33:

If the candidate has not passed in first attempt in XII Std., he / she may indicate no. of attempts and the subjects failed.

Item 34:

Mention here only your attempts (if any) to join the University earlier, and NOT the Secondary or the Higher Secondary School.

Item 35:

Here you must include also applications to appear for competitive examinations like CET, EMCET, etc.

SPECIFIC TO PG, AND THE PROFESSIONAL COURSES

At the top right hand corner, you must indicate the Course you have applied for.

The Codes for the various degree programmes are as below:

Course	Code
B.Ed.	B E D
M.B.A.	M B A
M.B.A.(Finance)	M B F
M. Tech. (Computer Science)	M T C
M. Tech. (Applied Optics)	M T A
M.A. (English Language & Literature)	M E L
M.A. (Telugu Language & Literature)	M T L
M.Sc. (Home Science)	M H S

* Enter the code appropriate, as in the example below.

Say, you wish to apply for B.Ed.

Then, your entry should be:

B	E	D
---	---	---

Item 29:

Typically, in the Bachelor's level, one studies three subjects. Sometimes, one of these subjects is main or major, while the other two are subsidiary or ancillary. Whatever be the case, enter all three.

Example: A candidate has studied B.A., the main or the major subject being Economics, and the other subjects being History and Political Science. In this case, the entries would be as follows:

Degree: B.A.

Subjects: 1. Economics
2. History
3. Political Science

Example: A candidate has studied B.Sc.(Hons.), specializing in Physics. Apart from Physics, the candidate has also studied Mathematics and Chemistry. In this case, the entries would be as follows:

Degree: B.Sc.(Hons.)

Subjects: 1. Physics
2. Mathematics
3. Chemistry

Item 31, 32 & 36:

These three items deal with marks obtained during the Degree and the Postgraduate Degree Courses (if applicable). If you have undergone a three-year Degree Course wherein the Semester system was in vogue, then make entries against item 31.

If you have undergone a Degree Course wherein the annual examination system was in vogue, then skip 31 and make entries in the boxes provided in 32.

If you have undergone a Postgraduate Course also, then make entries in 36. Here, provision is made both for the Semester system as well as the Yearly system. Use the one appropriate to your case.

In case the results for the Final Qualifying Examination appeared for by you are not available, make entries up to the last but one Semester / Year, as applicable.

In case the Semester system is in vogue in the Institute/University where you have studied and the GPA system was employed there, then enclose separately with the application, the scheme of the GPA system and its relationship to percentage marks.

Against Item 36, enter the Aggregate percentage marks (if appropriate) by rounding off to the first decimal place as follows:

8	5	.	6
---	---	---	---

COMMON TO ALL COURSES

- Make sure that the form has been properly filled in INK and is complete in all aspects.
- In particular ensure,
 - (i) that you have complied with all the instructions, particularly about using **CAPITAL LETTERS**, and using only one alphabet / character per box.
 - (ii) that you have affixed your recent **passport size photograph** on the application form, Identity card and Profile Card and get it attested wherever necessary.
 - (iii) that you have made the correct entry appropriate to the Course you wish to study. (Women candidates must ensure that the course selected for study is available at the Anantapur Campus).
 - (iv) that against ITEM 31, you have given the correct Three-subject combination for the Admission Test (applies to UG candidates only).
 - (v) that you have attached an attested photocopy of the Statement of Marks issued by your Higher Secondary School, giving the marks obtained in the XI Std. (Applies to UG candidates who marginally fall short of the eligibility criteria based on X Standard marks).
 - (vi) that you have attached an attested photocopy of the Statement of Marks issued by the Secondary School Board, X Std. (applies to UG candidates only).
 - (vii) that you have attached an attested photocopy of the Statement of Marks issued by the authority which conducted the Final (Degree) Qualifying Examination you have taken (applicable to candidates seeking admission to M.A., M.Sc., B.Ed., M.B.A./M.B.A.(Finance) and M.Tech. Courses, who have already obtained the Qualifying Degree).
 - (viii) that you have attached an attested photocopy of the Statement of Marks issued by your College, for all the years preceding the year of the Final Qualifying Examination (applicable to candidates seeking admission to M.A., M.Sc., B.Ed., M.B.A./M.B.A.(Finance) and M.Tech. Courses, who have appeared for the Final Qualifying Examination and are awaiting the result).
- Make sure that all entries are correct.
- Read the Declaration to be signed by you. Make sure you understand what it means.
- Sign the application and affix the date.
- Give the application to your parent/guardian and make sure they first read the declaration they have to sign.

- ❑ Make sure your parent/guardian signs and affixes the date.
- ❑ Make sure that all the supplementary material like photocopies of marks, certificates etc., are duly attached to or enclosed with the application.
- ❑ After the Application form is duly completed, send it by Registered Post or Courier Service. Write the application number and the course for which you have applied on the envelope. If you are sending the application by Courier Service, make sure that that Courier Service has its branch in Prasanthinilayam/Puttaparthi.
- ❑ Send the completed form early so that it reaches well before the last date. Allow at least seven days for postal transit if posted in South India, and twelve days if posted in North India.
- ❑ When your Application Form is received in the University, it will be scrutinized to check (a) it is complete in all respects, and (b) that you do in fact satisfy the eligibility criterion explained in Section 11 of this Handbook. If you do not satisfy the University's criteria, or if your Application is incomplete, you will receive a Regret letter. (Therefore, make sure that the Application is complete in all respects and that you do meet the eligibility requirements). In case you meet all the preliminary requirements, you will receive a letter permitting you to write the Entrance Test. The nature of these tests is explained in Section 15.

Remember, the last date for submission of Application form is *March 15*

15. ADMISSION TO THE VARIOUS COURSES

Admission to all Programmes of the University will be through a Written Test, followed by an Interview. In the case of candidates applying for the M.B.A/M.B.A.(Finance) Programmes, there would be a Group Discussion (GD), in addition to the Written Test. In the case of candidates applying for M.Tech. programme, there would be Practical and Oral Test, in addition to the Written Test.

Interview will be restricted to candidates securing a certain minimum percentage of marks in the Written Test. (In the case of M.B.A., M.B.A.(Finance) and M.Tech. candidates, the eligibility would be a certain minimum score in the written plus the GD/Practical and Oral Tests). For candidates belonging to Scheduled Castes/Scheduled Tribes there is no such minimum.

Candidates should note that the written tests and the interview would be in ENGLISH.

No candidates can claim eligibility for admission to a course on the basis of his/her having been permitted to take the entrance test.

The written tests and the interviews will be conducted at the Prasanthinilayam Campus. The exact dates for the Written Tests and Interviews for various courses would be communicated later. Usually, the tests are conducted from the last week of April to the second week of May.

The university authorities have the right to cancel the admission of a candidate at any stage if it is found that he / she has given incorrect or false information on any aspect.

Note: Eligible candidates will be short-listed by the University based on the marks of qualifying examinations. Only such candidates will be called for Admission Test.

Appearance at the Entrance Test and obtaining a rank does not bestow on the candidate any claim for admission to the course in which he/she has taken the entrance test. In case, it is found at a later stage that he/she does not fulfill the prescribed qualification/satisfy other rules of admissions/eligibility he/she forfeits his/her admission/claim for admission to a course.

The scope, the level and the nature of various entrance tests are as follows:

UG PROGRAMMES

Candidates seeking admission to the UG Programme would have to take

- (i) a Written Test in General English, and
- (ii) Written Tests in three subjects relevant to the course to which admission is sought.

Details of the three-subject combinations appropriate to the various Courses are given below. It may be noted that in some cases, the candidate has a choice in the combination.

Course	Combination
1) B.A.	{ Economics, History, Political Science Economics, History, Civics
2) B.Sc. (Hons.) Mathematics	Mathematics, Physics, Chemistry
3) B.Sc. (Hons.) Physics	Mathematics, Physics, Chemistry
4) B.Sc. (Hons.) Chemistry	Mathematics, Physics, Chemistry
5) B.Sc. (Hons.) Economics	Mathematics, Economics, Statistics
6) B.Sc. (Hons.) Biosciences	Botany, Zoology, Chemistry
7) Bachelor of Home Science	Botany, Zoology, Chemistry
8) B.Com. (Hons.)	{ Accountancy, Commerce, Economics Accountancy, Commerce, Mathematics Accountancy, Commerce, Statistics Accountancy, Economics, Mathematics

Note: Except in the case of General English, the test-paper would be of the objective type.

Candidates are reminded about the following:

- i) Those taking B.A. would have to major in one subject in the third year. The options available are given in Section 3.
Based on his/her aptitude, the student would be guided in the choice of the major subject.
- ii) In the case of students taking the combination of Mathematics, Physics and Chemistry, the specialization in the third year could be in Mathematics or Physics or Chemistry. At the end of the second year, students would be asked to give their preference but the University reserves the right to make allocations amongst the three disciplines as deemed necessary.
- iii) A similar remark applies to women students taking the Chemistry, Botany, Zoology combination; see also Section 7.

NOTE: The Admission Test syllabus for UG, PG, M.B.A., M.B.A.(Finance), B.Ed., M.Tech.(Computer Science), M.Tech.(Applied Optics) Programmes are given separately along with the Application.

16. HOW TO REACH PRASANTHINILAYAM

- Prasanthinilayam is in Andhra Pradesh. It is also known as Puttaparthi. Buses will bear the name Puttaparthi, rather than Prasanthinilayam.
- Prasanthinilayam may be reached directly by bus from Chennai, Bangalore, Hyderabad, and several major towns of Andhra Pradesh.
- Prasanthinilayam has a railway station by the name **Sri Sathya Sai Prasanthinilayam**. It is located at about 9 km from Prasanthinilayam.
- The next nearest railway station is Dharmavaram, which is on the Guntakal-Bangalore section of the South-Central Railway. Dharmavaram is about 40 km from Prasanthinilayam.
- Those alighting at Dharmavaram Railway Station may board direct buses from the Station to Prasanthinilayam. If direct buses are not available from the Station, one should proceed by auto rickshaw to the Dharmavaram Bus Stand, from where Buses to Prasanthinilayam are available. Private Taxis and Vans are also available in the neighbourhood of the Dharmavaram Bus Stand.
- Computerized Railway Reservation facility is available at the Prasanthinilayam Bus Stand. Those who wish to avail of this facility for making return reservation may do so.
- In their own interest, candidates are strongly advised to arrive in Prasanthinilayam the day prior to the Written Test.

17. WHAT TO DO ON ARRIVAL

- Candidates coming to Prasanthinilayam for taking the Admission Test will be provided accommodation in the Ashram.
- The Ashram is located almost directly opposite to the Bus Stand.
- Accommodation will be provided also to parent(s)/guardian accompanying the candidate.
- Parents/Guardians are strongly advised not to send their wards unaccompanied.
- On arrival, enter the Ashram premises and proceed to the Accommodation Office. Volunteers with blue scarves (Sevadal) will direct, in case help is needed.
- At the Accommodation Office, show the Admission Test Entrance Card. Only on production of this, accommodation will be given.
- Canteen facility is available in the Ashram. Coupons are to be purchased in advance from a counter located in front of the Gents' Canteen. **Note:** *Canteen observes fixed timings.*
- Catering is separate for men and women.
- The Written Tests and the Interviews will be conducted at the College which is located about 200 meters away from the Bus Stand.
- Make sure you familiarize yourself with the location of the examination centre.
- Report at the Centre well ahead of the time scheduled for the Test/Interview.

- Various instructions and announcements pertaining to the Tests, Interview etc., would be displayed in the College premises.
- Parents and candidates are requested not to unnecessarily crowd and congregate in the College premises.
- If otherwise free, candidates and those accompanying them are advised to participate in the Bhajans in the Mandir inside the Ashram. Bhajans are conducted at 9.00 a.m. and 5.00 p.m.
- They may also visit the Museums - Sanathana Samskruthi (Eternal Heritage) and Chaitanya Jyoti, during the hours when they are open.

IMPORTANT:

- List of the selected candidates will be displayed at Prasanthinilayam and Brindavan Campuses. It will also be available on our website: www.sssu.edu.in / www.srisathyasai.org.in University's academic year may commence as early as the third week of May.

18. HOSTEL

Hostel life is an integral part of the University's academic programme, and hostel stay is therefore compulsory for all students admitted to the University's programme. Hostel life revolves basically around 3 D's - Discipline, Duty and Devotion. Where these three are concerned much is expected from students. A very high standard of discipline is demanded, which, it should be appreciated, is entirely in the interest of students. Infringement of discipline would be viewed gravely by the Hostel authorities; students must therefore ensure that there is absolutely no lapse on their part on this count.

The Hostel routine has been structured, bearing in mind Bhagavan Baba's directive that all aspects of the Student's being (i.e., body, mind and soul), should receive due and careful attention. The day begins with early rising and prayer (5 a.m.) and ends with prayer and retirement to bed (10 p.m.). During this period, time slots are reserved for various activities - spiritual, cultural, physical, academic and social. Ample scope is provided for students to give full expression to their latent talents in sports, speaking, singing, painting, dancing, etc. Students are also encouraged to participate in community-oriented activities, both in the Hostel as well as the college. Altogether, Hostel life not only complements and supplements class-room instruction, but is delicately interwoven with the latter so as to achieve a holistic moulding of the student's personality and the development of character as well. Harmonious living and the spirit of co-operation as well as selflessness are particularly encouraged.

सहनावतु सहनौभुनक्तु सहवीर्यं करवावहै
तेजस्विनावधीतमस्तु माविद्विषावहै
ॐ शान्तिः शान्तिः शान्तिः

* * *

ANNEXURE

COURSE CONTENT

Brief Outline of the contents of the various Courses offered by the University

<p>B.A.</p> <p>AWARENESS COURSES I & II ENGLISH LANGUAGE SKILLS - I, II, III & IV ENVIRONMENT I & II LANGUAGE</p> <p>Three of the following subjects a) to f) would have to be chosen by the student.</p> <p>a) HISTORY & INDIAN CULTURE: ANCIENT INDIA – I (From the beginning to the end of 3rd Century AD) ANCIENT INDIA – II (North India 4th Century A.D. – 1206 A.D. and South India 4th Century A.D. – 1336 A.D.) HISTORY OF MEDIEVAL INDIA (1206 AD - 1526 A.D.) HISTORY OF MEDIEVAL INDIA - (1526 AD -1761 A.D.) HISTORY OF MODERN INDIA (From the Advent of the Europeans upto 1857 A.D.) HISTORY OF MODERN INDIA (1858 A.D. - 1950 A.D.) HISTORY OF ANCIENT GREEK AND ROMAN CIVILISATION HISTORY OF MODERN WORLD</p> <p>b) ECONOMICS: ECONOMIC ANALYSIS I & II HUMAN DEVELOPMENT INDIAN ECONOMY: STRUCTURE AND DEVELOPMENT INTERMEDIATE MICROECONOMIC THEORY INTERMEDIATE MACROECONOMIC THEORY INTRODUCTION OF COMPUTER APPLICATIONS - I & II</p>	<p>INTRODUCTION TO FINANCE INTERNATIONAL ECONOMICS OPERATIONS RESEARCH PROBABILITY AND DISTRIBUTIONS PUBLIC FINANCE AND FISCAL POLICY QUANTITATIVE ECONOMICS QUANTITATIVE METHODS IN ECONOMICS – I & II RURAL DEVELOPMENT</p> <p>c) POLITICAL SCIENCE: ELEMENTS OF GOVERNMENT ELEMENTS OF POLITICAL SCIENCE INDIAN POLITICAL THOUGHT INTERNATIONAL POLITICS MODERN GOVERNMENTS - I & II PRINCIPLES OF PUBLIC ADMINISTRATION PUBLIC PERSONNEL ADMINISTRATION WESTERN POLITICAL THOUGHT</p> <p>d) PHILOSOPHY: ETHICS - EASTERN AND WESTERN INTRODUCTION TO INDIAN PHILOSOPHY INTRODUCTION TO WESTERN PHILOSOPHY STUDY OF CLASSICS – EASTERN & WESTERN THE PHILOSOPHY OF THE UPANISHADS TWENTIETH CENTURY PHILOSOPHERS – INDIAN & WESTERN WESTERN LOGIC (FORMAL AND SYMBOLIC)</p> <p>e) OPTIONAL ENGLISH: DRAMA HISTORY OF ENGLISH LANGUAGE HISTORY OF ENGLISH LITERATURE NOVEL STUDY OF LITERARY FORMS: (SHORT STORY)</p>	<p>PROSE POETRY LITERARY CRITICISM STUDY OF LITERARY FORMS - SHORT STORY AND ONE-ACT PLAY</p> <p>f) OPTIONAL TELUGU FOLK LITERATURE & ALANKARAS NOVEL POETRY AND GRAMMAR POETRY, PROSODY AND GRAMMAR SANSKRIT PROSE , GRAMMAR & TELUGU JOURNALISM TRANSLATION RURAL DEVELOPMENT</p> <p>B.A. (Hons.) Economics ECONOMIC ANALYSIS I & II DEVELOPMENT ECONOMICS HUMAN DEVELOPMENT INDIAN ECONOMY: STRUCTURE AND DEVELOPMENT INTERMEDIATE MICROECONOMIC THEORY INTERMEDIATE MACROECONOMIC THEORY INTERNATIONAL ECONOMICS INTRODUCTION OF COMPUTER APPLICATIONS - I & II INTRODUCTION TO ENVIRONMENTAL ECONOMICS INTRODUCTION TO FINANCE INTRODUCTION TO MATHEMATICAL ECONOMICS OPERATIONS RESEARCH PUBLIC FINANCE AND FISCAL POLICY QUANTITATIVE METHODS OF ECONOMICS - I & II QUANTITATIVE ECONOMICS RURAL DEVELOPMENT</p>
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B.Sc. (HOME SCIENCE)

AWARENESS COURSES I & II
 APPLIED CHEMISTRY
 APPLIED PHYSICS
 BAKERY & CONFECTIONARY
 CLOTHING CONSTRUCTION
 COMMUNITY NUTRITION
 COMPUTER BASICS
 CONSUMER ECONOMICS
 DIETICS
 ENGLISH
 ENVIRONMENT - I & II
 FAMILY CLOTHING AND
 HOUSEHOLD TEXTILES
 FAMILY RESOURCE MANAGEMENT
 FIBRE TO FABRIC
 FOOD STORAGE AND
 PRESERVATION
 HOME SCIENCE EXTENSION
 EDUCATION
 HOUSING AND INTERIOR DESIGN
 HUMANISTIC PSYCHOLOGY
 HUMAN DEVELOPMENT
 HUMAN NUTRITION
 HUMAN PHYSIOLOGY
 INTRODUCTORY FOODS
 LANGUAGE
 MICROBIOLOGY
 NUTRITION IN HEALTH
 NUTRITIONAL BIOCHEMISTRY
 PERSONAL EMPOWERMENT
 PRACTICALS
 SOCIOLOGY
 TEXTILE DESIGN

B.Sc. (Hons.) Mathematics

AWARENESS COURSES I & II
 ALGEBRAIC STRUCTURES
 BOUNDARY VALUE PROBLEMS
 CALCULUS
 CLASSICAL MECHANICS
 COMPLEX ANALYSIS
 DISCRETE MATHEMATICS
 ELECTIVES I to IV (Listed below)
 ELECTRONICS - I
 ELECTROMAGNETISM
 ELEMENTS OF REAL
 ANALYSIS - I & II
 ENGLISH
 ENVIRONMENT - I & II
 INTRODUCTION TO PDE
 INORGANIC CHEMISTRY, ORGANIC
 CHEMISTRY AND PHYSICAL
 CHEMISTRY - I, II & III
 LABORATORY COURSE:
 (Quantitative Inorganic Analysis,
 Qualitative Analysis, Organic
 Techniques, Organic Analysis)
 LANGUAGE
 LINEAR ALGEBRA
 LINEAR PROGRAMMING
 NUMERICAL ANALYSIS
 OPTICS

ORDINARY DIFFERENTIAL
 EQUATIONS
 PRACTICALS: (Electronics, Optics,
 Mechanics and Waves,
 Electromagnetism,)
 SOFTWARE LAB - I & II
 THEORETICAL & ANALYTICAL
 CHEMISTRY
 TOPOLOGY
 VECTOR ANALYSIS

LIST OF ELECTIVES:**STREAM: PURE MATHEMATICS**

1. GEOMETRY
2. COMBINATORICS
3. ELEMENTARY NUMBER THEORY
4. LINEAR TRANSFORMATIONS

STREAM: APPLIED MATHEMATICS

1. GRAPH THEORY
2. INTRODUCTION TO FUZZY SETS
3. DIFFERENCE EQUATIONS
4. BIOMATHEMATICS
5. CONTINUUM MECHANICS
6. OPERATIONS RESEARCH
7. PROBABILITY AND DISTRIBUTIONS*

STREAM: COMPUTER SCIENCE

1. FUNDAMENTALS OF COMPUTER SCIENCE
2. FUNDAMENTALS OF COMPUTER SYSTEMS
3. DATA STRUCTURES AND ALGORITHMS
4. MATHEMATICAL LOGIC FOR COMPUTER SCIENCE

* Students joining for M.Sc. in the University are advised to do this course as it is the prerequisite for "Stochastic Process", a core course for M.Sc. (Mathematics) and M.Sc. (Mathematics and Computing).

B.Sc. (HONS.) PHYSICS

AWARENESS COURSES - I & II
 ADVANCED CLASSICAL
 MECHANICS
 ATOMIC & MOLECULAR
 SPECTROSCOPY
 BOUNDARY VALUE PROBLEMS
 CALCULUS
 CLASSICAL MECHANICS
 COMPUTATIONAL TECHNIQUES IN
 PHYSICS
 ELECTROMAGNETISM
 ELECTRONICS - I
 ELECTRONICS - II: OPERATIONAL
 AMPLIFIERS
 ELEMENTS OF REAL ANALYSIS - I&II
 ELEMENTS OF ATOMIC &
 MOLECULAR SPECTROSCOPY
 AND LASERS
 ENGLISH LANGUAGE SKILLS -
 I,II,III&IV

ENVIRONMENT
 INORGANIC CHEMISTRY, ORGANIC
 CHEMISTRY AND PHYSICAL
 CHEMISTRY - I, II & III
 LABORATORY COURSE:
 (Quantitative Inorganic Analysis,
 Qualitative Analysis, Organic
 Techniques, Organic Analysis)
 LANGUAGE
 LINEAR ALGEBRA
 LINEAR PROGRAMMING
 MATHEMATICAL PHYSICS - I & II
 MICROPROCESSORS
 NUCLEAR PHYSICS
 OPTICS
 ORDINARY DIFFERENTIAL
 EQUATIONS
 PRACTICALS (Electronics, Optics,
 Mechanics and Waves,
 Electromagnetism, General,
 Computer Lab, Microprocessors)
 QUANTUM MECHANICS
 SOLID STATE PHYSICS
 THEORETICAL & ANALYTICAL
 CHEMISTRY
 THERMAL & STATISTICAL PHYSICS
 VECTOR ANALYSIS

B.Sc. (HONS.) CHEMISTRY

AWARENESS COURSES - I & II
 ADVANCED INORGANIC
 CHEMISTRY
 ANALYTICAL CHEMISTRY AND
 NUCLEAR CHEMISTRY
 APPLIED CHEMISTRY
 BIO-ORGANIC CHEMISTRY
 BIO-POLYMER CHEMISTRY
 BOUNDARY VALUE PROBLEMS
 CALCULUS
 CLASSICAL MECHANICS
 DYNAMIC ASPECTS OF
 ORGANIC CHEMISTRY
 ELECTROMAGNETISM
 ELECTRONICS - I & II
 ELEMENTS OF REAL ANALYSIS - I&II
 ENGLISH LANGUAGE SKILLS -
 I,II,III&IV
 ENVIRONMENT - I & II
 INDUSTRIAL CHEMISTRY AND
 ENVIRONMENTAL CHEMISTRY
 INORGANIC, ORGANIC AND
 PHYSICAL CHEMISTRY - I, II & III
 LABORATORY COURSE:
 (Quantitative Inorganic Analysis,
 Qualitative Analysis, Organic
 Techniques, Organic Analysis,
 Computer Applications in
 Chemistry, Inorganic Chemistry,
 Synthetic Chemistry, Applied
 Chemistry, Medicinal Chemistry,
 Dynamic aspects of Organic

Chemistry, Bio-organic chemistry)
 LANGUAGE
 LINEAR ALGEBRA
 LINEAR PROGRAMMING
 MICROBIAL PHYSIOLOGY AND
 GENETICS
 MEDICINAL CHEMISTRY
 OPTICS
 ORDINARY DIFFERENTIAL
 EQUATIONS
 PHYSICAL CHEMISTRY
 LABORATORY COURSES (Qualitative
 Inorganic Analysis, Quantitative
 Analysis, Organic Techniques,
 Organic Analysis, Computer
 Applications in Chemistry, Physical,
 Dynamic aspects in Organic
 Chemistry, Bio-Polymer Chemistry,
 Spectroscopy, Microbial Physiology
 and genetics, Inorganic Chemistry,
 Synthetic Chemistry, Industrial and
 Environmental Chemistry,
 Medicinal Chemistry)
 SPECTROSCOPY
 SYNTHETIC ORGANIC CHEMISTRY
 THEORETICAL ASPECTS OF
 SPECTROSCOPY
 THEORETICAL CHEMISTRY AND
 ANALYTICAL CHEMISTRY
 VECTOR ANALYSIS

B.Sc.(Hons.) BIOSCIENCES

AWARENESS COURSES - I & II
 ALGAE AND FUNGI
 ANATOMY AND EMBRYOLOGY OF
 SEED PLANTS
 ANIMAL PHYSIOLOGY
 BACTERIOLOGY AND VIROLOGY
 BIOLOGICAL CHEMISTRY
 BIOTECHNOLOGY
 BIOORGANIC CHEMISTRY
 BIOSTATISTICS AND INFORMATION
 TECHNOLOGY
 BRYOPHYTES & PTERIDOPHYTES
 CELL BIOLOGY
 CHORDATA
 EMBRYOLOGY OF ANIMALS
 ENGLISH LANGUAGE SKILLS –
 I, II, III & IV
 ENVIRONMENT - I & II
 ENVIRONMENTAL BIOLOGY
 GENETICS AND EVOLUTION
 INORGANIC, ORGANIC AND
 PHYSICAL CHEMISTRY - I, II, & III
 INTRODUCTORY MOLECULAR
 BIOLOGY
 INVERTABRATA
LABORATORY COURSE IN:
 (Quantitative Inorganic Analysis,
 Qualitative Analysis, Organic
 techniques, Organic Analysis)

LANGUAGE
 MAMMALIAN PHYSIOLOGY
 MICROBIAL PHYSIOLOGY AND
 GENETICS
 PLANT PHYSIOLOGY
 PRACTICAL COURSES IN
 BIOSCIENCES (16 nos)
 PTERIDOPHYTES
 QUANTITATIVE TECHNIQUES IN
 BIOLOGY
 TAXONOMY AND ECONOMIC
 IMPORTANCE OF ANGIOSPERMS
 THEORETICAL CHEMISTRY AND
 ANALYTICAL CHEMISTRY

B.Sc. (HONS.) ECONOMICS

AWARENESS COURSES - I & II
 APPLIED STATISTICS
 BOUNDARY VALUE PROBLEMS
 CALCULUS
 DEVELOPMENT ECONOMICS
 ECONOMIC ANALYSIS - I & II
 ELEMENTS OF REAL ANALYSIS - I&II
 ELEMENTS OF MATHEMATICAL
 ECONOMICS
 ENGLISH LANGUAGE SKILLS –
 I, II, III & IV
 ENVIRONMENT - I & II
 ENVIRONMENTAL ECONOMICS
 HUMAN DEVELOPMENT
 INTRODUCTORY STATISTICS
 INDIAN ECONOMY: STRUCTURE
 AND DEVELOPMENT
 INTRODUCTION TO MATHEMATICAL
 ECONOMICS
 INTERMEDIATE MACRO
 ECONOMIC THEORY
 INTERMEDIATE MICRO ECONOMIC
 THEORY
 INTERNATIONAL ECONOMICS
 INTRODUCTION TO FINANCE
 INTRODUCTION TO COMPUTER
 APPLICATIONS - I & II
 LANGUAGE
 LINEAR ALGEBRA
 LINEAR PROGRAMMING
 OPERATIONS RESEARCH
 ORDINARY DIFFERENTIAL
 EQUATIONS
 PROBABILITY THEORY AND
 DISTRIBUTIONS
 PUBLIC FINANCE AND POLICY
 RURAL DEVELOPMENT IN INDIA
 STATISTICAL INFERENCE
 STATISTICAL LABORATORY
 VECTOR ANALYSIS

B.Com. (Hons.)

AWARENESS COURSES - I & II
 ACCOUNTING FOR FINANCIAL
 SERVICES

AUDITING
 BUSINESS COMMUNICATION
 BUSINESS ECONOMICS
 BUSINESS STATISTICS
 BANKING THEORY AND PRACTICE
 COMMERCIAL LAW
 COMPANY LAW
 COMPUTER PRACTICALS - I, II & III
 (Computer Theory and Accounting
 Package, Spreadsheet
 Applications, Database
 Applications).
 CORPORATE ACCOUNTING
 ECONOMIC ENVIRONMENT OF
 BUSINESS
 ELECTIVES (4 nos): (Listed below)
 ELEMENTS OF COSTING
 ELEMENTS OF INCOME-TAX
 ENGLISH LANGUAGE SKILLS –
 I, II, III & IV
 ENVIRONMENT - I & II
 FINANCIAL ACCOUNTING - I & II
 FINANCIAL MANAGEMENT AND
 FINANCIAL SERVICES
 INTERNATIONAL BUSINESS
 INTRODUCTION TO QUANTITATIVE
 TECHNIQUES (non Credit)
 LANGUAGE
 PRINCIPLES OF MANAGEMENT
 PRINCIPLES OF MARKETING
 QUANTITATIVE TECHNIQUES - I & II
 LIST OF ELECTIVES:

Semester - V:

- 1) Foreign Trade Procedures
- 2) Fundamentals of Insurance
- 3) Methods of Costing
- 4) Advanced Accountancy

Semester - VI:

- 1) Management of International
 Business
- 2) Regulation and Management of
 Insurance
- 3) Management Accounting
- 4) Investment Analysis

M.A. (Economics)

AWARENESS COURSE I, II, III & IV
 AGRICULTURAL ECONOMY OF
 INDIA
 COMPUTER APPLICATIONS IN
 ECONOMICS - I & II
 DISSERTATION
 ECONOMETRICS
 ETHICS ECONOMY AND SOCIETY
 EVOLUTION OF ECONOMIC
 INSTITUTIONS, SYSTEMS AND
 THEORIES
 FINANCIAL THEORY
 INDUSTRIAL ECONOMY OF INDIA
 INTERNATIONAL ECONOMICS AND
 FINANCE

INTRODUCTION STATISTICAL
INFERENCE
MATHEMATICAL ECONOMICS
MACROECONOMIC THEORY
MICROECONOMIC THEORY
MONETARY THEORY AND POLICY
PUBLIC ECONOMICS

ELECTIVES:

- a) Environmental Economics
- b) Economics of Education & Health
- c) Economics of Population & Labour
- d) Energy and Resource Economics
- e) Economic Regulation & Legal System
- f) Applied Econometrics
- g) Time Series Modelling
- h) Forecasting Methods for Business & Economics
- i) Stochastic Process
- j) Structural Modeling for Policy analysis
- k) Theory of Statistics
- l) Topics in Microeconomic Theory
- m) Topics in Macroeconomic Theory
- n) Modelling Financial Markets
- o) Topics in Mathematical Finance

M.A. (English Language & Literature)

AWARENESS COURSE I, II, III & IV
AMERICAN LITERATURE
COMMONWEALTH LITERATURE
DISSERTATION/OPEN COURSE:
WORLD DRAMA
ENGLISH LITERATURE:
CHAUCER & 1550-1660
ENGLISH LITERATURE: 1660-1789
ENGLISH LITERATURE: 1789-1830
ENGLISH LITERATURE: 1830-1900
ENGLISH LITERATURE:
20th CENTURY - I
INDIAN WRITING IN ENGLISH
LITERARY CRITICISM
SHAKESPEARE
STRUCTURE OF MODERN ENGLISH - I
(ELEMENTS OF LINGUISTICS AND PHONETICS)
STRUCTURE OF MODERN ENGLISH - II (GRAMMAR)

LIST OF ELECTIVES:

- a) Comparative Literature
- b) European Classics in Translation - Drama & Novel
- c) Women's Studies (Drama & Fiction)
- d) Teaching of English as a second language

M.A. (Telugu Language & Literature)

AWARENESS COURSE I, II, III & IV
COMPARATIVE DRAVIDIAN PHILOLOGY
DRAMA
EVOLUTION OF PROSE IN TELUGU LITERATURE
GENERAL LINGUISTICS
GRAMMAR AND POETICS
GRAMMAR AND PROSODY
HISTORY OF TELUGU LITERATURE
HISTORY OF LITERATURE II & III
ITHIHASA AND PURANA
INDIAN LITERATURE
LITERARY CRITICISM
MODERN FICTION
SANSKRIT DRAMA AND GRAMMAR
SANSKRIT PROSE, POETRY AND GRAMMAR
SOUTH INDIAN LITERATURE
SPECIAL AUTHOR: THIKKANNA
TRENDS IN MODERN TELUGU POETRY

M.Sc. (Home Science)

With specialization in 1) Food Technology and 2) Food Science and Nutrition

AWARENESS COURSE I, II, III & IV
ADVANCED NUTRITIONAL BIOCHEMISTRY
CONCEPTS IN FOOD SCIENCE & TECHNOLOGY
DESIGN & FORMULATION OF FOODS
DISSERTATION PROJECT*
FOOD CHEMISTRY
FOOD MICROBIOLOGY
FOOD STANDARD AND QUALITY MANAGEMENT
INSTRUMENTATION TECHNIQUES
RESEARCH METHODOLOGY AND APPLIED STATISTICS
VIVA-VOCE

Courses in Food Technology :

DAIRY TECHNOLOGY
ENTREPRENEURSHIP & FOOD PLANT MANAGEMENT
EXPERIMENTAL METHODS
FOOD GRAIN & OIL TECHNOLOGY
FOOD PROCESSING UNIT OPERATIONS
HORTICULTURAL PRODUCTS TECHNOLOGY
PACKAGING TECHNOLOGY
SENSORY EVALUATION

Courses in Food Science & Nutrition :

CLINICAL BIOCHEMISTRY
COMMUNITY NUTRITION
DIET ENGINEERING

EXPERIMENTAL METHODS
MATERNAL AND CHILD NUTRITION
MACRO NUTRIENTS
MICRO NUTRIENTS
TOXIC CONSTITUENTS OF FOODS

Note: Dissertation is **compulsory** for students of M.Sc.(Home Science). The Dissertation work will start in the 3rd Semester and the Report would be submitted 15 days before the close of the 4th Semester. There will be a Viva-Voce at the end of the 4th Semester.

**M.Sc. (Mathematics)
with specialization in
{ 1) PURE MATHEMATICS /
2) APPLIED MATHEMATICS /
3) COMPUTER SCIENCE /
4) FUNCTIONAL ANALYSIS AND
APPLICATIONS, /
5) DECISION THEORY }**

AWARENESS COURSE I, II, III & IV
ADVANCED REAL ANALYSIS
ADVANCED ALGEBRA
DIFFERENTIAL GEOMETRY
ELECTIVES 1 to 8
FLUID DYNAMICS
FUNCTIONAL ANALYSIS
MATHEMATICAL MODELLING
MEASURE THEORY
OPTIMIZATION TECHNIQUES
PROBABILITY THEORY
SOFTWARE LAB – I, II, III & IV
TECHNIQUES IN
APPLIED MATHEMATICS
THEORY OF STATISTICS
THEORY OF ORDINARY
DIFFERENTIAL EQUATIONS

LIST OF ELECTIVES:

Stream I : PURE MATHEMATICS

1. Algebraic Topology
2. Boolean Algebras
3. Category Theory
4. Differentiable Manifolds
5. Fuzzy Mathematics

Stream II : APPLIED MATHEMATICS

1. Biofluid Dynamics
2. Advanced Fluid Dynamics
3. Mathematical Biology
4. Topics in Special Functions
5. Finite Element Methods
6. Numerical Solutions of Partial Differential Equations (PDE)
7. Foundations of Fuzzy Systems

Stream III : COMPUTER SCIENCE

1. Artificial Intelligence
2. Computer Networks
3. Computer Organization and

4. Architecture
5. Database Systems
6. Systems Programming
7. Formal Languages
8. Pattern Recognition
9. Signals And Linear Systems
10. Cryptography
11. Digital Systems
12. Microprocessors and Microcontrollers
13. Bioinformatics
14. Embedded Systems

Stream IV : FUNCTIONAL ANALYSIS & APPLICATIONS

1. Spectral Theory of Linear Operators
2. Sobolev Spaces and Sobolev Functions
3. Integral Equations
4. Wavelets and Wavelet Transforms
5. Wavelet Analysis
6. Time scale
7. Control Theory
8. Dynamical Systems

Stream V : DECISION THEORY

1. Decision Analysis: Bayesian Approach
2. Decision Theory: Utility Approach
3. Game Theory
4. Multi-criteria Decision Making
5. Introduction to Simulation

NOTE: 1) In lieu of two electives in the 4th semester, a dissertation (for 6 credits) could be taken by a candidate. Students should take 5 Electives from one particular stream.

2) The particular streams of specialization and papers in a particular stream being offered to a batch will be decided before the end of first semester by the Head of the Department.

**M.Sc. (Physics)
with specialization in
{ 1) Photonics /
2) Nuclear and Particle physics /
3) Electronics }**

AWARENESS COURSE I, II, III & IV
CLASSICAL MECHANICS
CLASSICAL ELECTRODYNAMICS
CLASSICAL OPTICS, LASERS, AND FIBER OPTICS
CONDENSED MATTER PHYSICS
ELECTRONICS I: MICROELECTRONICS
ELECTRONICS II: DIGITAL SYSTEMS
ELECTRONICS III:
MICROPROCESSORS,
MICROCONTROLLERS AND
EMBEDDED SYSTEMS
ELECTRONICS IV: ELECTRONIC COMMUNICATIONS

ELECTRONIC DEVICES
ELECTIVES I & II
MATHEMATICAL PHYSICS
NUCLEAR AND PARTICLE PHYSICS
PHOTONICS - I: NUCLEAR SPECTROSCOPY AND NUCLEAR REACTIONS
PHOTONICS - II: FIBER OPTICS
PHOTONICS III: NON LINEAR OPTICS
PHOTONICS IV: OPTICAL FIBER COMMUNICATIONS
NUCLEAR PHYSICS - II: NUCLEAR REACTIONS
NUCLEAR PHYSICS - III: ACCELERATOR & REACTOR PHYSICS
NUCLEAR PHYSICS - IV: NUCLEAR TECHNIQUES
PHYSICAL ELECTRONICS
PRACTICALS (8 Nos) **
QUANTUM MECHANICS
STATISTICAL PHYSICS

Note: A student has to choose any one particular stream of specialization from (A), (B) or (C) streams in the Semesters 3 and 4.

LIST OF ELECTIVES *:

Semester - 3:

(Two papers in any one stream)
(A)* Photonics I : Physics of Lasers and Laser Applications
(B)* Nuclear and Particle Physics I : Nuclear Spectroscopy and Nuclear Reactions
(C)* Electronics I : Microelectronics

(A)* Photonics II: Fiber Optics
(B)* Nuclear and Particle Physics II: Weak, Strong and Electromagnetic Interactions
(C)* Electronics II: Digital Systems

Semester - 4:

(Two papers in any one stream)

(A)* Photonics III: Non Linear Optics
(B)* Nuclear and Particle Physics III: Neutron and Reactor Physics and Nuclear Technique
(C)* Electronics III: Microprocessors, Microcontrollers, and Embedded Systems
(A)* Photonics IV: Optical Fiber Communications
(B)* Nuclear and Particle Physics IV: Nucleon-Nucleon Interactions and QCD
(C)* Electronics IV: Electronic Communications

Note: ** In lieu of Practicals in the Fourth Semester any student can choose Project work.

M.Sc. (Chemistry)

AWARENESS COURSE I, II, III & IV
ANALYTICAL CHEMISTRY
ADVANCED ASPECTS OF ORGANIC STRUCTURE AND STEREOCHEMISTRY
COORDINATION CHEMISTRY
CHEMICAL KINETICS AND POLYMER CHEMISTRY
ELECTIVE - 1
ELECTIVE - 2 & 3
(Interdepartmental electives)
MEDICINAL CHEMISTRY
ORGANOMETALLIC CHEMISTRY
PHYSICAL AND MECHANIC ASPECTS OF ORGANIC CHEMISTRY
PRACTICALS (12 nos)
SOLID STATE CHEMISTRY, SURFACE CHEMISTRY AND SEMI-CONDUCTOR PROCESSING
SPECIAL TOPICS FROM PHYSICAL CHEMISTRY
SPECIAL TOPICS FROM
BIO-ORGANIC CHEMISTRY
STRUCTURAL INORGANIC AND
BIO-INORGANIC CHEMISTRY
SYNTHETIC ORGANIC CHEMISTRY
THERMODYNAMICS –
ELECTRO CHEMISTRY

LIST OF ELECTIVES:

Semester - III:

Elective - 1:

- (i) Industrial Microbiology
- (ii) Theory and Application of Physical Methods in Chemistry
- (iii) Advanced Inorganic Biochemistry
- (iv) Physical Chemistry of Biological Systems

Semester - IV:

Interdepartmental Electives)

Elective - 2:

- (i) Environmental Chemistry
- (ii) Environmental Biotechnology

Elective - 3:

- (i) Organic Chemistry of Natural Products
- (ii) Biocatalysis for Industry, Medicine and Environment
- (iii) Immunology

M.Sc. (Biosciences)

with specialization in

{ 1) Biotechnology /

2) Mycology and Plant Pathology }

AWARENESS COURSE I, II, III & IV
BIO-CHEMISTRY
CYTOGENETICS AND PLANT BREEDING
ENVIRONMENTAL BIOTECHNOLOGY
OR CHEM: ENVIRONMENTAL CHEMISTRY

IMMUNOLOGY or CHEM:
 BIOCATALYSIS
 INSTRUMENTATION TECHNIQUES
 AND BIOINFORMATICS
 CHEM: STRUCTURAL AND
 BIOINORGANIC CHEMISTRY
 MOLECULAR DEVELOPMENTAL
 BIOLOGY
 MOLECULAR BIOLOGY
 (A) MOLECULAR EVOLUTION AND
 SYSTEMATIC ZOOLOGY or
 (B) MOLECULAR EVOLUTION AND
 HUMAN GENETICS
 MOLECULAR SYSTEMATICS AND
 PLANT TAXONOMY
 MOLECULAR DEVELOPMENTAL
 BIOLOGY
 MORPHOLOGY AND PHYLOGENY
 OF PLANTS
 (A) MYCOLOGY, PATHOLOGY AND
 FUNGAL BIOTECHNOLOGY or
 (B) ADVANCED MYCOLOGY
 (A) GENETIC ENGINEERING or
 (B) PLANT PATHOLOGY
 (A) (I) MICROBIAL BIOTECHNOLOGY
 (II) HORTICULTURAL PRODUCTS
 TECHNOLOGY (IDE) or
 (B) MEDICAL MYCOLOGY
 PLANT RESOURCE UTILIZATION AND
 CONSERVATION
 (A) (i) PLANT BIOTECHNOLOGY
 (ii) BIOTECHNOLOGY OF
 SECONDARY METABOLITES
 (B) VAM FUNGI
 PRACTICALS (8 nos)

Note: 1) * In lieu of Practicals in 3rd Semester and 4th Semester, a Project Work (for 6 credits) could be taken by a candidate. Project Work will commence in the 3rd Semester and the report will be submitted 15 days before the close of Fourth Semester.

2) Students can choose either A or B elective courses for a corresponding specialization namely A) Biotechnology or B) Mycology and Plant pathology.

Note: *Project Work will commence at the end of the Second Semester and the report will be submitted by December (Fourth Semester). The particular specialization being offered to a batch will be decided by the Head of the Department.

B.Ed.

BROAD TRENDS IN INDIAN
 EDUCATION - I & II
 COMMUNITY WORK
 EDUCATIONAL EVALUATION AND
 ELEMENTARY STATISTICS
 EDUCATION IN HUMAN VALUES
 SCHOOL ADMINISTRATION AND
 SUPERVISION
 GENERAL FOUNDATION IN INDIAN
 EDUCATION (PART -1)
 (BROAD TRENDS IN INDIAN
 EDUCATION SYSTEM)
 INDIAN SOCIETY
 INFORMATION AND
 COMMUNICATION TECHNOLOGY

METHOD OF TEACHING - I:

(ANY ONE OF THE FOLLOWING)

- (1.a.1) TEACHING OF ENGLISH
- (1.a.2) TEACHING OF MATHEMATICS
- (1.a.3) TEACHING OF CHEMISTRY
- (1.a.4) TEACHING OF PHYSICAL SCIENCES

METHOD OF TEACHING - II:

(ANY ONE OF THE FOLLOWING)

- (1.b.1) TEACHING OF HISTORY
- (1.b.2) TEACHING OF CIVICS
- (1.b.3) TEACHING OF GEOGRAPHY
- (1.b.4) TEACHING OF ECONOMICS
- (1.b.5) TEACHING OF SOCIAL STUDIES
- (1.c.1) TEACHING OF PHYSICS
- (1.c.2) TEACHING OF BIOLOGY
- (1.c.3) TEACHING OF HOME SCIENCE
- (1.c.4) TEACHING OF BIOLOGICAL SCIENCES

PRACTICAL WORK
 PSYCHOLOGICAL FOUNDATIONS
 OF EDUCATION
 STUDENT (PRACTICE) TEACHING
 SESSIONAL WORK
 SCHOOL ADMINISTRATION AND
 ORGANISATION
 TEACHER AND EDUCATION IN
 EMERGING INDIAN SOCIETY
 TECHNOLOGY OF TEACHING AND
 LEARNING

WORK EXPERIENCE (SUPW) :

(ANY ONE OF THE FOLLOWING)

- (2.1) KITCHEN GARDENING
- (2.2) APPLIED FINE ARTS
- (2.3) PAPER-CRAFT
- (2.4) KNITTING AND EMBROIDERY
- (2.5) ELECTRICAL REPAIRING
- (2.6) ELEMENTARY ELECTRONICS

- (2.7) OFFICE MANAGEMENT
- (2.8) FOOD PRESERVATION
- (2.9) MUSIC
- (2.10) TYPE-WRITING
- (2.11) HANDICRAFTS

COMPULSORY ELECTIVE:

(ANY ONE OF THE FOLLOWING)

- (3.a.1) MORAL AND SPIRITUAL EDUCATION
- (3.a.2) EARLY CHILDHOOD EDUCATION
- (3.a.3) EDUCATION FOR HOME MAKING
- (3.a.4) AUDIO-VISUAL EDUCATION
- (3.a.5) SCHOOL LIBRARY ORGANISATION
- (3.a.6) CO-CURRICULAR ACTIVITIES IN SCHOOLS
- (3.a.7) GUIDANCE AND COUNSELLING

M.B.A. (Master of Business Administration)

BUSINESS LAWS
 BANK MANAGEMENT
 COMMUNICATION SKILLS
 COMPREHENSIVE VIVA-VOCE
 COMPUTER APPLICATIONS
 - I, II, III & IV
 ECONOMICS & BUSINESS
 ENVIRONMENT
 GROUP DYNAMICS & TEAM
 BUILDING
 ELECTIVES
 FINANCIAL & COST ACCOUNTING
 FINANCIAL MANAGEMENT
 HUMAN RESOURCES MANAGEMENT
 MANAGEMENT INFORMATION
 SYSTEMS AND DECISION SUPPORT
 SYSTEMS
 MANAGEMENT ACCOUNTING
 MANAGEMENT SCIENCE
 MARKETING MANAGEMENT
 NATIONAL PERSPECTIVES AND
 RURAL DEVELOPMENT
 OPERATIONS MANAGEMENT
 PRODUCTION & OPERATIONS
 MANAGEMENT
 PROJECT *
 QUANTITATIVE METHODS
 RESEARCH METHODOLOGY
 STRATEGIC MANAGEMENT
 SELF AWARENESS & PERSONALITY
 DEVELOPMENT
 TOTAL QUALITY MANAGEMENT
 VALUE BASED LEADERSHIP

LIST OF ELECTIVES:

GENERAL MANAGEMENT:

GO1. BUSINESS ETHICS

G02.	CORPORATE GOVERNANCE	INTERNATIONAL BUSINESS:	S06.	DATA MINING APPLICATIONS	
G03.	DIAGNOSTICS	I01.	CROSS-CULTURAL MANAGEMENT	S07.	DECISION SUPPORT AND EXPERT SYSTEMS
G04.	ENTREPRENEUR DEVELOPMENT	I02.	GLOBAL OUTSOURCING	S08.	E – COMMERCE
G05.	FRONTIERS IN MANAGEMENT AND MANAGEMENT THOUGHT	I03.	INTERNATIONAL ACCOUNTING	S09.	IT PROJECT MANAGEMENT
G06.	REENGINEERING	I04.	INTERNATIONAL ECONOMICS AND FINANCE	S10.	GEOGRAPHIC INFORMATION SYSTEMS
FINANCE:		I05.	INTERNATIONAL FINANCIAL MANAGEMENT	S11.	KNOWLEDGE MANAGEMENT
F01.	BANK MANAGEMENT	I06.	INTERNATIONAL HUMAN RESOURCE MANAGEMENT	S12.	OPERATING SYSTEMS
F02.	CORPORATE FINANCIAL STRATEGY	I07.	INTERNATIONAL MARKETING	S13.	SOFTWARE ENGINEERING
F03.	CORPORATE TAXATION	I08.	INTERNATIONAL WORLD CLASS MANUFACTURING	S14.	SYSTEMS ANALYSIS AND DESIGN
F04.	ENTERPRISE RISK MANAGEMENT				
F05.	FINANCE THEORY	MARKETING:			M.B.A.(Finance)
F06.	FINANCIAL INNOVATIONS	M01.	ADVERTISING AND PROMOTION MANAGEMENT		BUSINESS ENVIRONMENT OF THE FINANCIAL SECTOR
F07.	FINANCIAL INSTITUTIONS & MARKETS	M02.	BRAND MANAGEMENT		COMMUNICATION SKILLS
F08.	FINANCIAL SERVICES	M03.	CONSUMER BEHAVIOUR		CORPORATE FINANCIAL STRATEGY
F09.	FORECASTING METHODS FOR BUSINESS & ECONOMICS	M04.	INDUSTRIAL MARKETING		CORPORATE & TAX LAWS
F10.	INSURANCE FOR CORPORATES	M05.	MARKETING CHANNELS		COMPREHENSIVE VIVA-VOCE COMPUTER APPLICATIONS - I, II, III, & IV
F11.	INVESTMENT VALUATION	M06.	MARKETING FINANCIAL SERVICES		ELECTIVES 1 TO VI
F12.	MERGERS & ACQUISITIONS	M07.	MARKETING RESEARCH		FINANCIAL INNOVATIONS
F13.	PROJECT FINANCING & CONTROL	M08.	MARKETING STRATEGY		FINANCIAL MANAGEMENT
F14.	RURAL FINANCE	M09.	NEW PRODUCT MANAGEMENT		FINANCIAL APPLICATIONS LAB
F15.	WORKING CAPITAL MANAGEMENT	M10.	RELATIONSHIP MARKETING		GROUP DYNAMICS & TEAM BUILDING
HUMAN RESOURCES MANAGEMENT:		M11.	RURAL MARKETING		HUMAN RESOURCES MANAGEMENT
H01.	CAREER MANAGEMENT AND COMPETENCY MAPPING	M12.	SALES MANAGEMENT		INTERNAL VIVA-VOCE LEADERSHIP
H02.	EMPLOYEE ADMINISTRATION	M13.	SERVICES MARKETING		MANAGEMENT ACCOUNTING
H03.	EMPLOYEE EMPOWERMENT	PRODUCTION:			MANAGEMENT SCIENCE
H04.	EMPLOYEE WELFARE	P01.	ADVANCED OPERATIONS RESEARCH APPLICATIONS		MANAGEMENT CONTROL AND DECISION SYSTEMS
H05.	INDUSTRIAL RELATIONS	P02.	INDUSTRIAL ENGINEERING		MARKETING MANAGEMENT
H06.	ORGANIZATION DEVELOPMENT & TRANSFORMATION	P03.	MANAGEMENT OF TECHNOLOGY AND INNOVATION		NATIONAL PERSPECTIVES AND RURAL DEVELOPMENT
H07.	PERFORMANCE MANAGEMENT	P04.	PRODUCTION PLANNING & CONTROL		OPERATIONS MANAGEMENT
H08.	PERSONNEL COUNSELING	P05.	PROJECT MANAGEMENT		SELF AWARENESS & PERSONALITY DEVELOPMENT
H09.	QUALITY OF WORKING LIFE	P06.	STATISTICAL QUALITY CONTROL		VALUE BASED MANAGEMENT
H10.	TRAINING & DEVELOPMENT	P07.	SUPPLY CHAIN MANAGEMENT		QUANTITATIVE METHODS PROJECT *
H11.	TRANSACTIONAL ANALYSIS	SYSTEMS:			
H12.	WAGES AND SALARY ADMINISTRATION	S01.	ARTIFICIAL INTELLIGENCE		Note:* Project work will commence in the 3rd semester and the report will be submitted during the 4 th semester.
		S02.	COMPUTER ORGANIZATION AND ARCHITECTURE		LIST OF ELECTIVES:
		S03.	CUSTOMER RELATIONSHIP MANAGEMENT		FINANCE
		S04.	DATABASE MANAGEMENT SYSTEMS		F01. BANK MANAGEMENT
		S05.	DATA COMMUNICATIONS AND NETWORKS		F02. CORPORATE TAXATION
					F03. ENTERPRISE RISK MANAGEMENT
					F04. FINANCE THEORY
					F05. FINANCIAL SERVICES
					F06. FORE CASTING METHODS FOR BUSINESS & ECONOMICS

- F07. INTERNATIONAL ACCOUNTING
- F08. INTERNATIONAL ECONOMICS AND FINANCE
- F09. INTERNATIONAL FINANCIAL MANAGEMENT
- F10. INVESTMENT VALUATION
- F11. MERGERS & ACQUISITIONS
- F12. PROJECT FINANCING & CONTROL
- F13. INSURANCE FOR CORPORATES
- F14. RURAL FINANCE
- F15. WORKING CAPITAL MANAGEMENT

OTHERS

- O01. BUSINESS ETHICS
- O02. CORPORATE GOVERNANCE
- O03. CUSTOMER RELATIONSHIP MANAGEMENT
- O04. DATA MINING APPLICATIONS
- O05. DIAGNOSTICS
- O06. E-COMMERCE
- O07. ENTREPRENEUR DEVELOPMENT
- O08. FRONTIERS OF CORPORATE MANAGEMENT THOUGHT
- O09. KNOWLEDGE MANAGEMENT
- O10. MARKETING FINANCIAL SERVICES
- O11. MARKETING RESEARCH
- O12. REENGINEERING
- O13. RELATIONSHIP MANAGEMENT
- O14. SERVICES MARKETING
- O15. TOTAL QUALITY MANAGEMENT

M.Tech. (Computer Science)

AWARENESS
 COMPREHENSIVE VIVA-VOCE
 COLLOQUIUM
 DESIGN AND ANALYSIS OF ALGORITHMS
 DISTRIBUTED SYSTEMS.
 ELECTIVES I TO VI1
 MODERN OPERATING SYSTEMS PROJECT*
 PARALLEL PROCESSING
 SOFTWARE ENGINEERING
 SOFTWARE LAB I, II, III & IV
 SEMINAR AND VIVA VOCE
 SOFTWARE ENGINEERING
 THEORY OF COMPUTATION

Note*: **Note*:** Every student of the M.Tech. programme will have to choose a "Project" during the second semester and has to submit a Project.

Report at the end of the third semester, but not later than 15th February of the following year

LIST OF ELECTIVES:

STREAM I: ARTIFICIAL INTELLIGENCE

1. ADVANCED ARTIFICIAL INTELLIGENCE
2. AUTOMATED REASONING
3. GENETIC ALGORITHMS
4. KNOWLEDGE ENGINEERING AND EXPERT SYSTEMS
5. NATURAL LANGUAGE PROCESSING
6. NEURAL NETWORKS
7. AGENT BASED INTELLIGENT SYSTEMS
8. DNA COMPUTING
9. SOFT COMPUTING
10. INDEPENDENT COMPONENT ANALYSIS

STREAM II: COMMUNICATION AND NETWORKING

1. TELECOM NETWORKING
2. NETWORK SECURITY AND MANAGEMENT
3. WIRELESS AND MOBILE NETWORKS
4. ADVANCED COMPUTER NETWORKS

STREAM III: DATABASE SYSTEMS

1. DATABASE TECHNOLOGIES.
2. TOPICS IN DATABASE
3. DATA MINING AND DATA WAREHOUSING

STREAM IV: SOFTWARE SYSTEMS

1. OBJECT ORIENTED SYSTEMS DESIGN
2. MULTIMEDIA SYSTEMS
3. COMPUTER VISION
4. COMPILER DESIGN
5. SIGNAL PROCESSING
6. SPEECH PROCESSING
7. COMPLEXITY OF ALGORITHMS
8. HIGH PERFORMANCE COMPUTING
9. USER INTERFACE DESIGN
10. MEDICAL IMAGE PROCESSING

STREAM V: HARDWARE

1. ASIC DESIGN
2. OPTICAL COMPUTING
3. MICROPROCESSOR SYSTEMS

4. ADVANCED COMPUTER ARCHITECTURE
5. REAL TIME COMPUTING
6. INTERFACE TECHNOLOGIES
7. MODELING AND SIMULATION OF DIGITAL SYSTEMS
8. VLSI SYSTEMS

M.Tech. (Applied Optics : Fiber Optics and Digital Image Processing)

DIGITAL COMMUNICATION AND INFORMATION SYSTEM
 FIBER OPTICS & OPTICAL COMMUNICATION SYSTEMS
 ELECTIVES (I TO VI)*
 NONLINEAR OPTICS
 NONLINEAR OPTICS LAB
 OPTICAL ELECTRONICS
 PROJECT
 SOFTWARE LAB (I & II)

ELECTIVES:

- 1) PHOTONIC SWITCHING AND NETWORKING
- 2) GUIDED WAVE OPTICAL COMPONENT AND DEVICES
- 3) OPTOELECTRONIC INSTRUMENTATION
- 4) INTEGRATED OPTICS
- 5) STATISTICAL AND QUANTUM OPTICS
- 6) BROADBAND COMMUNICATION AND INFORMATION SYSTEMS
- 7) FOURIER OPTICS AND OPTICAL ENGINEERING

OPEN ELECTIVES:

- 1) MICROWAVE ENGINEERING AND ANTENNA THEORY:
- 2) INTRODUCTION TO INTERNET ENGINEERING
- 3) NETWORK SECURITY AND MANAGEMENT
- 4) DIGITAL IMAGE PROCESSING
- 5) TELECOM NETWORKING
- 6) DIGITAL SIGNAL PROCESSING
- 7) OPTICAL COMPUTING
- 8) WIRELESS COMMUNICATIONS
- 9) TELECOMMUNICATION TECHNOLOGIES


Note*: Every student of the M.Tech. programme will have to choose a "Project" during the second semester and has to submit a Project Report at the end of the third semester, but not later than 15th February of the following year.

CHECK LIST

Ensure that

- ❑ The application form is filled in INK
- ❑ You have complied with all the instructions, particularly about using CAPITAL LETTERS, and entering one alphabet/character per box.
- ❑ You have pasted a passport size photo in the space provided.
- ❑ The photo is endorsed in the manner instructed.
- ❑ Against ITEM 30 (for UG) / ITEM 19 (for PG), you have made the correct entry appropriate to the Course you wish to study. (Girl candidates must ensure that the Course selected for study is available at the Anantapur Campus).
- ❑ Against ITEM 31, you have given the correct Three-subject combination for the Written Test (applies to UG candidates only).
- ❑ You have signed the form and entered the date.
- ❑ Your parent/guardian has also signed at the place indicated, and has entered the date.
- ❑ You have completed the form in all respects and that no item is left blank.
- ❑ All the particulars filled in by you are correct.
- ❑ You have attached an attested photocopy of the Statement of Marks of X Std. and XI Std. (applies to UG candidates only).
- ❑ You have attached an attested photocopy of the statement of Marks issued by the authority which conducted the Final (Degree) Qualifying Examination you have taken (applicable to candidates seeking admission to M.A., M.Sc.(Home Science), B.Ed., M.B.A./M.B.A.(Finance) and M.Tech. Courses, who have already obtained the Qualifying Degree.
- ❑ You have attached an attested photocopy of the Statement of Marks issued by your college, for all the years preceding the year of the Final Qualifying Examination (applicable to candidates seeking admission to M.A., M.Sc.(Home Science), B.Ed., M.B.A./M.B.A.(Finance) and M.Tech. Courses, who have appeared for the Final Qualifying Examination and are awaiting the result).
- ❑ You have written the Course for which you are applying and the Application Number on the envelope in which you send the filled-in Application Form.
- ❑ You send the filled-in Application well in advance. Do not wait till the last minute to post the Application.

And remember that the Applications received after the last date will be rejected.


Education is not for a mere living. Birds and beasts also live. Education which does not bring about the unity of mankind is futile.

- BABA

Education should sanctify the heart of man and lead him along the sweet awareness of life.

- BABA

Education is the basis for leading a purposeful life in the physical world, in the realm of the mind and in society. It equips one with the mental strength and steadiness to face the challenges of life. Real education should enable one to realise that mankind is one family. It should help one to experience the unifying forces in Society.

- BABA

Students who are educated in Sri Sathya Sai University should take an oath that they would enter Society and spread Bharathiya Culture among the people. Indian Culture is the very backbone of our life. If you cannot spread this culture, your studies have no meaning.

- BABA

Education should inculcate in students self-reliance and self-confidence. The first thing in life is self-reliance, second is self-confidence, third is self-sacrifice and fourth is self-realisation. With self-realisation, life finds its final fulfillment. Education should bring about the transformation leading one to self-realisation.

- BABA

The essence of education is service to one's fellow beings. There is no greater occupation than service to Society. Become leaders through service. Only when you lead such exemplary lives can you be deemed to be truly educated.

- BABA

Education should fill the heart of man with compassion. Then alone it acquires fullness. What we need today are noble men and women. The Nation will prosper in proportion to the presence of persons with noble minds and hearts.

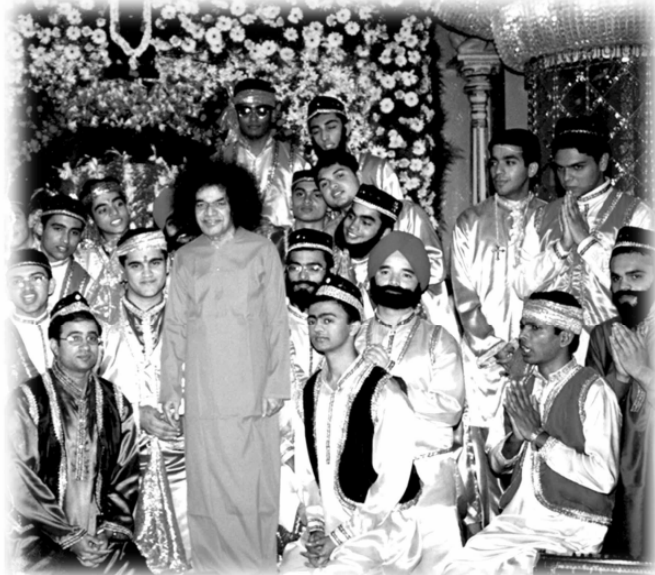
- BABA

The Sri Sathya Sai University has not been established just to prepare you for earning Degrees. The main purpose is to help you to cultivate Self-knowledge and Self-confidence, so that each one of you can learn Self-reliance and earn Self-realisation. The teaching of the University Curricula and the preparation for presenting you for the University examinations and the award of University degrees - these are only the means employed for the end, namely Spiritual uplift, Self-discovery and Social service through Love and Detachment.

My hope is that by your lives, you will be shining examples of Spiritual Awareness and its beneficial consequences to the individual and society.

- Baba





The Students of the Institute with the Reverend Chancellor



Well Equipped Laboratories



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

*The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed
Peer Team is pleased to declare the
Sri Sathya Sai Institute of Higher Learning
(Deemed University)
Vidyagiri, Ananthapur, Andhra Pradesh as*

Accredited¹
at the A⁺⁺ level².
(among the Universities)

Date: March 21, 2003



Chopinai
Director

1. This certification is valid for a period of *Five* years with effect from the academic year 2002 - 2003.
2. An institutional score (%) in the range of 55-60 denotes C grade, 60-65 - C^{*} grade, 65-70 - C^{**} grade, 70-75 - B grade, 75-80 - B^{*} grade, 80-85 - B^{**} grade, 85-90 - A grade, 90-95 - A^{*} grade, 95-100 - A^{**} grade (upper limits exclusive).