



Pre University Course (CHSE, Orissa)

- +2 Science

Under Graduate Course (Utkal University)

- B.Sc. Hons (Bio-Technology)

Post Graduate Course (Utkal University)

- M.Sc. (Bio-Technology)
- M.Sc. (Bio-Informatics)

# Royal School of Management & Technology

*Excellence Through Quality*



Recognised by Department of Higher Education, Govt. of Orissa

Affiliated to Utkal University and CHSE, Orissa

*Managed by Innovator Foundation*

# RSMT Prospectus



### RSMT Prayer

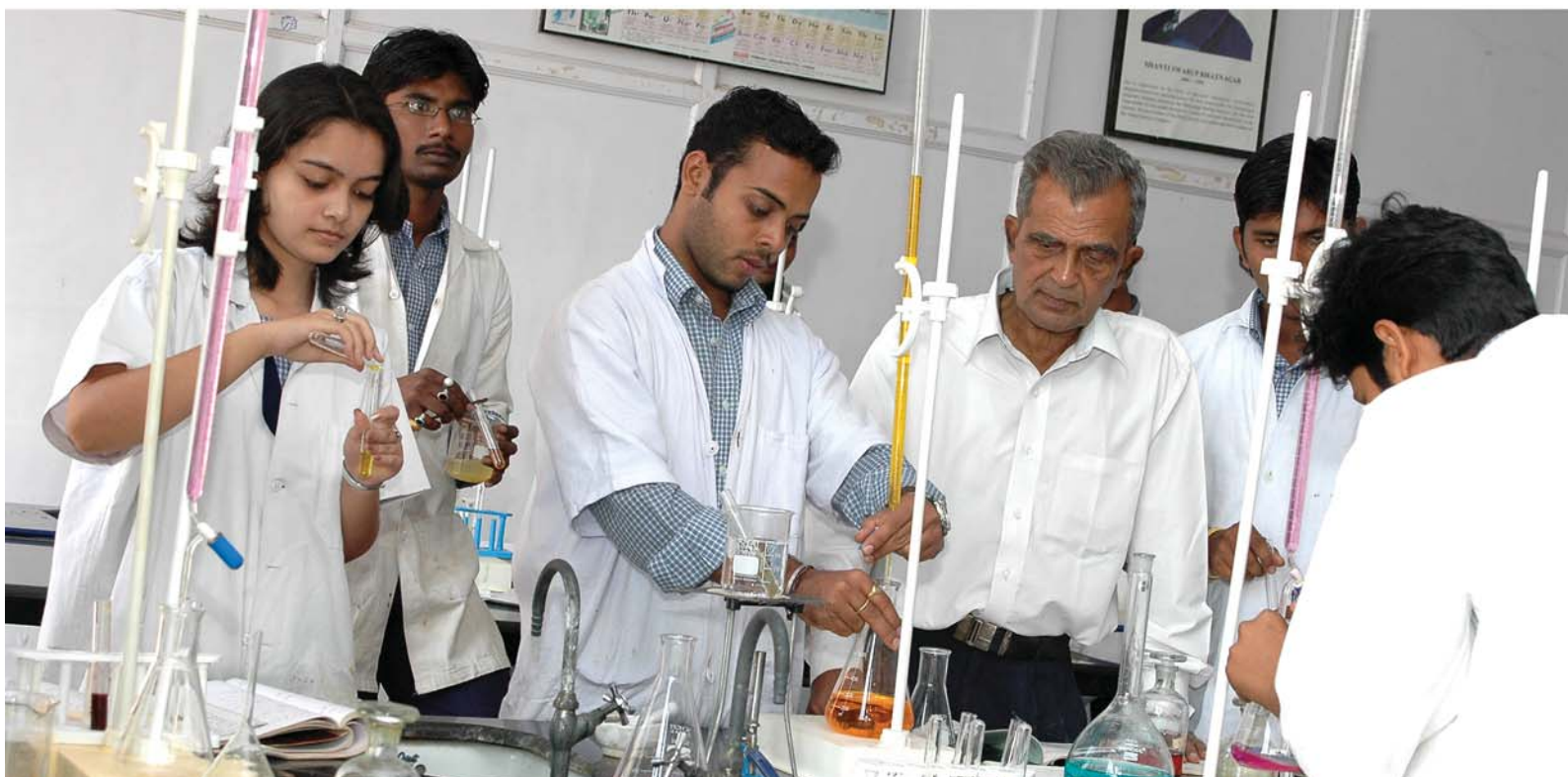
Destiny is not a matter of chance, It is a matter of choice; It is not a thing to be waited for, It is a thing to be achieved. Let us repeat endlessly to ourself, 'We will achieve extraordinary success in life. It all depends on us.'

### RSMT Mission

To Build a Process Driven Education System which will Transform Every Student into a World Class Leader Empowered with Intellect, Knowledge, Ethics, Integrity, Character & Entrepreneurship.

### RSMT Vision

To Achieve International Distinction and Respect for an Unparalleled Academic Environment, Innovation in Learning and Educating the students for Responsible Citizenship in a Global Society.



## Welcome to RSMT

Royal School of Management & Technology (RSMT) managed under the aegis of Innovator Foundation is a NRI backed premier Institute offering professional degree courses meeting global standards. The Institute have state of the art infrastructure, dedicated faculties and integrated teaching methodology to equip students with a very high level of professional competence for top notch national and international placements. RSMT is driven towards quality education, academic infrastructure & a strong industry interface. We believe in smart, modern, innovative and value driven education. We offer quality education as per global standards. We provide students with an intellectually stimulating and rigorous teaching and research environment. We are committed to provide you with a rewarding and memorable experience: Academically - with the benefit of excellent teaching that will exceed your expectations; Socially - you will grow in confidence and become involved in some of the exciting activities on offer to our students; Professionally - your qualification will give you a head start in your career; your qualification is recognized for jobs in the Central Government, State Government, Public / Private Sector undertakings and further education in India or abroad. RSMT is the Institute of first choice for professional education for students from all over India. Only the best can survive in the present competitive scenario. One has to be fully equipped and thoroughly prepared for the tough professional competition.



Therefore, it is very important that the student should choose the best Institute for quality education. Our value system, our dedication and energetic approach to all that we do makes us a winner. By choosing RSMT you can be confident of the very highest quality of education and be ensured of a great future. We heartily welcome you to Royal School of Management & Technology.

## Associations

**RSMT - Institutional Member of All India Biotech Association (AIBA), New Delhi:** All India Biotech Association (AIBA) is established since 1994 to provide common Apex forum at the National level in the field of Biotechnology. Its objective is to coordinate and assist the research, professional, manufacturing and export promotion activities in the field of Biotechnology. It also sponsor study and business teams abroad and invite individuals, experts and scientists and similar delegations from abroad. Its activity also includes supporting and collaborating with the existing associations and organizations like FICCI, CII, ASSOCHAM in their activities related to Biotechnology field. Other Institutional Member of AIBA includes Indian Institute of Chemical Biology, Kolkatta; Dr. Reddy's Research Foundation, Hyderabad; Institute of Genomic and Integrative Biology, Delhi University





Campus, New Delhi; Rajiv Gandhi Centre for Biotechnology, Trivunanthapuram; Centre for Cellular & Molecular Biology, Hyderabad; Indo-Swiss Collaboration in Biotechnology (ISCB), Switzerland; Central Institute of Medicinal & Aromatic Plants, Lucknow and Centre for DNA Fingerprinting & Diagnostics, Hyderabad. Institute of Genomic and Integrative Biology, Delhi University Campus, New Delhi; Rajiv Gandhi Centre for Biotechnology, Trivunanthapuram; Centre for Cellular & Molecular Biology, Hyderabad; Indo-Swiss Collaboration in Biotechnology (ISCB), Switzerland; Central Institute of Medicinal & Aromatic Plants, Lucknow and Centre for DNA Fingerprinting & Diagnostics, Hyderabad.

**RSMT - Institutional Member of Association of Biotechnology Led Enterprises (ABLE), Bangalore:** Association of Biotechnology Led Enterprises (ABLE) is the Indian Biotech Platform. Its objective is to accelerate the pace of Biotechnology in India by enabling strategic alliances between researchers, the Government, and the global Biotech industry; Partnering and acting as a consulting body to the



government in its Biotech endeavor as well as lobbying for conducive policy making and encouraging global investment in India's rapidly expanding Biotechnology sector, facilitating proactive collaborations and partnerships. Other elite member of ABLE includes Bharat Biotech International, Biocon India, International Panacea, Lotus Labs, Millipore, Monsanto Research Centre, Nicholas Piramal India, Ocimum Biosolutions, Panacea Biotech, Shantha Biotechnics, ASSOCHAM, BIOCENTURY, Biospectrum, Ernst & Young, NASDAQ, ABN Amro, HDFC, Matrix Laboratories, Pfizer, TCS, Infosys and IIT.

**RSMT - Research Institute Member Biotech Consortium India Limited (BCIL):** BCIL was set up in 1990 as a public limited company, with the objective of providing the linkages amongst research institutions, industry, government and funding institutions, to facilitate accelerated commercialisation of Biotechnology. BCIL, Promoted by the Department of Biotechnology (DBT) Government of India, is the nodal agency providing linkages among central and state governments, universities, research institutes, industry and international organizations and is engaged in technology development and transfer, project consultancy, fund syndication, information dissemination and manpower training and placement related to biotechnology. BCIL has been conferred a special award for "Biotech Product and Process Development and Commercialization" for the year 2001 instituted by the Department of Biotechnology, Govt. of India, for its outstanding contribution in the area of technology transfer.

## RSMT Advantage

**Knowledge & Character World Class Competence Program - Success Inevitable. Failure Impossible.**

**Industry Focused Knowledge Competence:** RSMT is well known for setting high education standards and enriching human values. RSMT students attain competence with a futuristic vision, which make them ready for high valued jobs. Learning new skills and upgrading the existing ones is vital in today's technology driven and competitive business environment. RSMT recognizes the need of this changing environment and the necessity to generate innovative and successful responses to the changing conditions. RSMT is proactive and alert to the global trends. We produce competent professional for successful career in emerging areas.

**Indispensable Character Competence:** RSMT students have the leading edge of Morality, Ethics, Integrity & Values Education which make them Dependable in Family & Job - Ready for Life Long Personal & Professional Happiness. The character competence program is designed to integrate academics with education on values, morality, ethics and integrity, which makes RSMT a distinguished Institute that empowers individuals with a very high level of social and personal competence.

**Radiance World Class Environment Program**

**Corporate Culture Education:** RSMT train students in Corporate Culture focusing on Interpersonal skills, English & Foreign Language Communication skills & Professionalism to fit in world class environment.



**Mission 24 x 7:** The Mission 24 x 7 energizes every RSMT student to get focused on career goals 24 hours a day 7 days a week. We make a determined and spirited effort to achieve an ambition which is truly ambitious. We challenge our limits and are committed to achieve success beyond the obvious. Time management is life management and at RSMT we manage it 24 x 7.

**Exploring Leadership Program:** Leadership development is vital because organizations take on the personality of their leaders. Leadership training and development can maximize productivity, shape a positive culture and promote harmony. RSMT empower students with Leadership skills through the Exploring Leadership Program. The objective is to strengthen communities and the democratic process by preparing individuals for effective and ethical leadership in the public affairs arena. We aim to produce the next generation of dynamic leaders who will significantly contribute to build a modern and a global India. Our graduates will bring the world around to their way of thinking.

**RSMT Cultural Grid:** Academic life in RSMT goes beyond the curriculum. Co-curricular activities form an integral part of the education system. The college runs a busy calendar of academic, social, sporting and cultural activity. Our students attain professional thrust by going beyond classroom learning.



### Placement & Training

RSMT has a full fledged Placement & Training cell to assist the students in getting suitable placements. The Institute has developed sturdy placement networks among blue chip companies in India and abroad. Placement workshops are an integral part of our placement programme. The RSMT Placement Cell interface with the Industry, the Government and the leading national and international placement consultants. Our strength is extensive industry interaction. The training & placement cell offers Job Enabler Training for meeting national and global knowledge and skill requirements for high valued jobs. Very few Institutes in the country offer such training, in addition to the academic curriculum. The students go through a demanding and dynamic education amidst a blend of relevant content with a global perspective. Our academic system is designed to build the professional competence in you and make you an attractive catch for employers. We train you to demonstrate your values and the highest professional standards as soon as you start working. Special training on Personality Development, Communication Skills, Creative Thinking, Leadership Development and Entrepreneurship Development is imparted to ensure that the students become an employer's

delight. RSMT students stand out in terms of Professional Competence, Communication Skills, Outstanding Leadership Qualities, Personal Integrity & overall persona. What makes RSMT special, is the way we work together with you to achieve your goals. RSMT believe you deserve a career, not just a job.

**Seminar:** To help the students sharpen the presentation skills, seminars are organized to make presentation in every semester. The seminars are conducted to create an interface between the students, faculties and working professionals from industry. This facilitate the students gain a new insight into the subject, develop a practical orientation and enhance their understanding of the topics covered.

**RSMT Hostel - "Home Away from Home":** RSMT hostel provides students the opportunity to experience living in a community dedicated to the academic and personal environment. Separate hostels are available for boys and girls. Hostel is provided on priority basis to outstation students with provision of indoor games, newspaper and magazines etc. Messing facility is available at both the hostels.

**Library:** The library is fully equipped with wide range of books and CD's, which covers the entire gamut of the curriculum. The library also provides newspapers, journals, periodicals and magazines on Information Technology, Management and other subjects to keep students abreast about the latest developments in Technology and Management.





**Job Enabler Program:** ● International Certification Training ● Communication Skills and Foreign Language Training ● Advanced Technology & Business Management Training ● Personality & Leadership Development Training

**Discipline:** It is compulsory for every student to abide by the disciplinary rules of the Institute. Every student is expected to give an evidence of a good professional and devote earnestly to studies. Students should always conduct themselves with decency towards the fellow student and with respect and obedience towards all staff, faculties and management of the Institution. No student will be allowed to indulge in offensive activities like ragging juniors, eve teasing, using improper language both inside and beyond the premises. Students are to ensure that they do not participate in any collective, regional and political activity or litigation of any kind. They should further ensure and regard every property of the Institution as their own and not willfully cause any destruction, damage or loss of Institute / Hostel property. The students concerned will be responsible individually or collectively for any loss or damage made to the Institute / Hostel property. Violation of any disciplinary rule will result in suspension or even rustication. The decision of the Institute Administration will be final in all matters pertaining to student discipline. 75% Attendance is mandatory in Theory & Practical for all students. Leave if required must be approved officially in writing. Students joining RSMT are assured of a successful life because we make every student study and prepare them for top jobs in world's best organizations.

**No Ragging:** We are proud to announce that our Institution is ragging free. Any student indulging in any form of ragging is subject to punishment. This punishment could range from a fine to expulsion from the Institute. This rule acts as a preventive measure against ragging.

**Educational Loan:** RSMT provide documentation support to students for availing Study Loan from Nationalized Banks. Existing batch of RSMT students have availed Study Loan from Allahabad Bank, Syndicate Bank, State Bank of India (SBI), UCO, UBI & IOB.

**Personal Care:** RSMT is a caring community. Personal Care Cell is constituted to maintain the human dimension to our learning environment and maintain regular one to one interaction between the teachers and the taught. You will have a personal mentor who will support you through study or personal difficulties. Every student is led by a mentor, who checks the academic progress of the student and provide necessary feedback and support. If you are a student with additional needs you will find our approach positive. We treat our students with respect and care. We have a real interest in your success.

**Personality Management Education:** RSMT lays a great emphasis on overall personality development of the students. This helps to transform every student into a Dynamic Personality who always thinks right, does right and lives right.



# +2 Science

Recognised by Department of Higher Education, Govt. of Orissa &  
Affiliated to Council of Higher Secondary Education (CHSE), Orissa

## RSMT - "An Ideal Launch Pad for a Victorious Future"

"We endeavor to attain unparalleled and unmatched record of excellence and envision becoming the best +2 science college of India in terms of our students securing incredible results in the council examination as well as ensuring our students future education in world's renowned institutions."

**Course:** +2 Science

**Eligibility:** 10th (HSC/ CBSE/ ICSE)

**Duration:** 2 Yrs

**Optional Subjects offered in +2 Science:** Physics, Chemistry, Mathematics, Biology, Information Technology

### The Mission

- To secure rank in CHSE Examination
- To pursue higher education in premier institutions by securing top ranks in national / state level entrance examination for professional studies and exploring career opportunities in India & abroad.

**Admission Procedure:** The only criteria taken into consideration at all stages is merit. A student's capability is the only recommendation needed to get admission. We invite application from students who are strongly determined to work very hard with utmost dedication and commitment, day in day out till the superior goal is achieved.

**Documents Required for verification:** The following documents will have to be verified at the time of admission

- Mark Sheet and Certificate of class X
- Character/Conduct Certificate

**Documents Required to be submitted:** The following documents will have to be submitted at the time of admission

- Transfer Certificate/School leaving Certificate (in original) from the school in which the student last studied
- 5 Passport size photographs (colour)
- Migration Certificate (For students other than Board of Secondary Education, Orissa)
- Details of Local Guardian indicating the name, relationship, address, telephone number.





## WHY WE ARE THE BEST - THE RSMT EDGE

**Process Driven Academic System:** Each & every aspect of the syllabi to be covered is planned for and meticulously implemented.

**Intelligent Learning:** We deliver education integrating the CHSE Course and Entrance Course. The idea is for the student to utilize their time only on the relevant course.

**Competitive Entrance Examination Coaching:** Professional Coaching by experts for success in National & State Level entrance exam (Engineering /Medical).

**Personal Assistance:** When our students find themselves stuck with particular question/s, they do not have to wait until their next class to get help. Personal assistance from the concerned faculty is available immediately.

**Superior Instruction:** We adhere to the most rigorous instruction standards.

**Real Test Questions:** The latest questions appearing in the examination are discussed in class.

**Research and Development Team:** RSMT has a unique R&D team that is always working towards improving the teaching methods and problem solving techniques, customising them for the students.

**Career Counseling:** - Seminars & workshops on Career development & Career options available to the students - Aptitude, Intelligence & Personality testing of the students - Individual counseling of the students with behavior, emotional & academic problems.

**Career Talks:** Prominent personalities of various fields interact with the students.

**Career & Job cell:** Providing information regarding various careers, studies abroad & guiding students in searching admission abroad. Also advises the students on the kind of stream they should opt for and inform them of the available avenues and job opportunities.

**“Mind Management” Program:** Class talks on issues such as memory retention, time management and stress management.

**Computer Education:** Computer course on C, C++ (Programming Languages), Operating Systems viz. WINDOWS 95/98/NT, MS-Office Automation Suite, Internet.

**Moral & Spiritual Education:** Yoga Sadhana, Participation in various related activities

**Hobbies & Project:** Electronics, Music, Art, Photography, Literary societies in English/Hindi, Debate, Quizzing and General Knowledge.

**Expert Faculty:** Endeavourer to inculcate the education through crystal clear concepts & provide the right guidance to excel in academics.

**Text Books:** Issue of all CHSE Course Text Books and Competitive Entrance Coaching Materials.





**Study Materials:** Study materials covering theory, objective-type questions, problems, worked examples, assignments and solutions. The tutorial package with eight hours study a week, well laid out assignments, lessons, tests and evaluation are all focused towards the ultimate goal of getting a good rank and admission in a professional course of student's choice.

**Assignment:** Intensive training covering last 10 years questions of CHSE examination and national level entrance examination.

**Continuous Internal Assessment:** Periodic tests and examinations, VST / Model Test for performance evaluations (topic-wise)

**Special Doubt clearing sessions**

**Personal Care Cell:** Parental warmth and care go hand in hand with rigorous teaching. Committed faculty treats all children as their own and gives individual attention to them.

**Art of Living & Healthcare program:** Education on Morality & Behavior; "Healthcare Program" by Doctors

**Science Labs:** Used to demonstrate scientific experiments and serves as a center for science teaching aids and project works.

**Leadership & Character Education:** Inculcating in students desirable value systems and stabilizing in them positive attitudes & behavior.

**Co-Curricular Activities:** Our students are mines of precious talent. An exciting all round education is the first step in transforming potentiality into reality. We ensure that our students are able to reach their highest potential by providing a well-rounded program of activities outside the classroom directed toward the development of their talents, skills, self confidence and sense of global citizenship. The individual personality of each and every student is honed and polished to achieve a socially and personally beneficial life.

**Games & Sports, Yoga, Social Work**

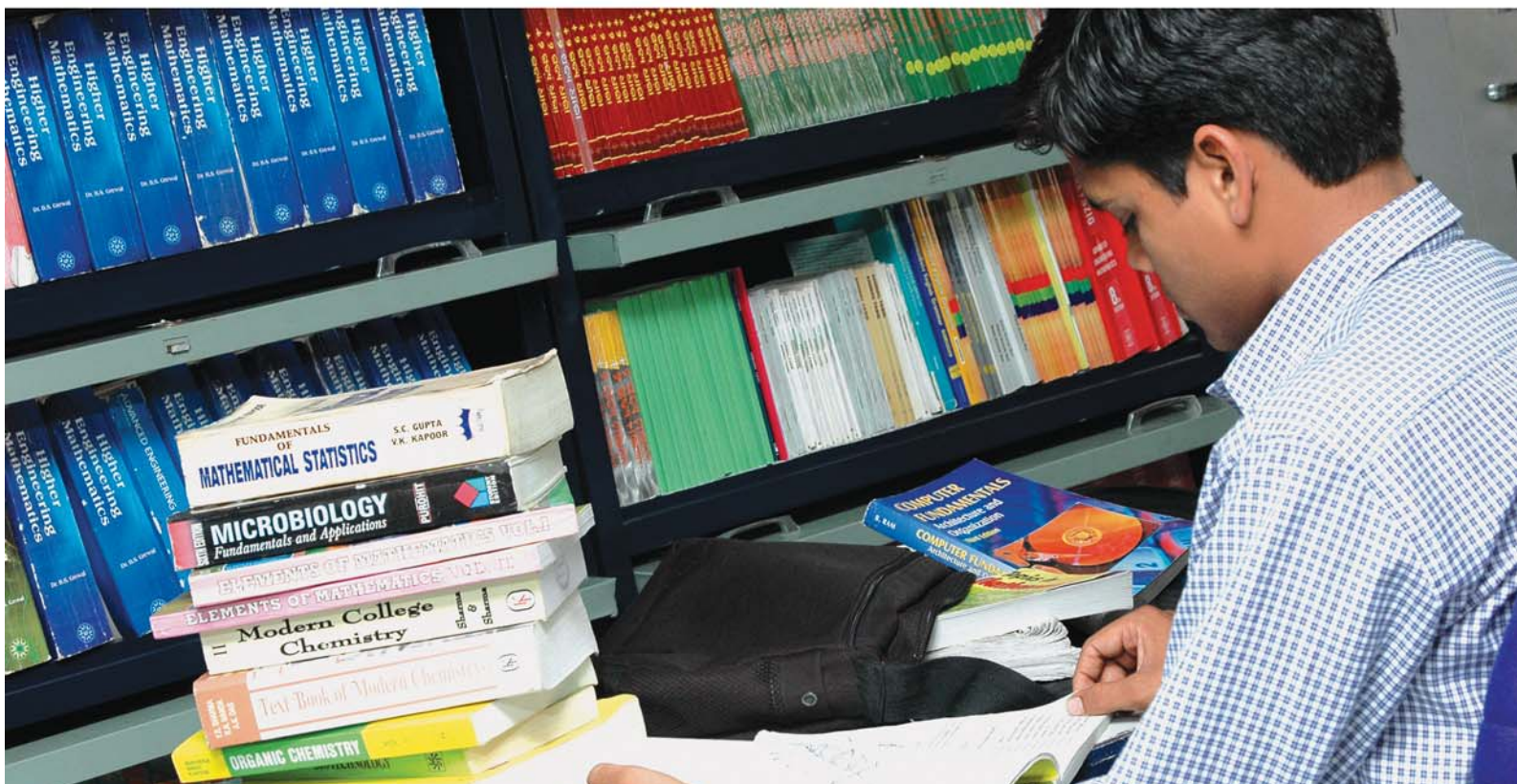
**Field Trips:** Field trips, outings and excursions are regularly organized for our students. These trips ensure richer and more enjoyable learning experience for student. Exhibitions, Historical places, important sites like Dams, Power Stations etc. are frequently visited by our students.

**Teaching Aids:** Modern teaching aids like Computers, TV, VCR, LCD projector etc. are integrated effectively in the teaching methodology.

**Laboratories:** Laboratories of Physics, Chemistry, Botany, Zoology, Biotechnology are equipped with latest equipments, models

**Weekly unit test for all subjects (CHSE course) & VST of competitive examinations**

**Personality Development & Communication Skills Program**





**Audio-Visual teaching, Computer adaptive tests, CD-ROM for subjects**

**Art Education:** Drawing, Painting, Music, Dramatic

**Literary Activities:** Debates, Elocutions, Essay Writing, Quizzing

**Infrastructure:** Air Conditioned Class Rooms

**Library:** Well stocked for students and Faculty Members

**Bus facilities:** RSMT bus cover all corners of the city.

**Hostel:** Separate hostel for boys and girls. Hygiene is maintained in every aspect. Nutritious, balanced diet and medical aid are given.

**Medical Aid:** Qualified doctor to provide medical aid.

**Computer Laboratory:** Equipped with multi-media computers having Internet connectivity. Computer Education & Certification by STPI registered IT company

**Celebrations:** The students enjoy being empowered to plan, perform, celebrate occasions and functions such as Independence Day, Republic Day, Teachers Day, Childrens Day, etc.



# Graduate & Post Graduate Program

B.Sc. (Hons.) Bio-Technology, M.Sc. (Bio-Technology), M.Sc. (Bio-Informatics)

Recognised by Department of Higher Education, Govt. of Orissa & Affiliated to Utkal University, Orissa

<b>Course:</b> B.Sc. (Hons.) Bio-Technology	<b>Eligibility:</b> +2 Science with Biology	<b>Duration:</b> 3 Yrs
<b>Course:</b> M.Sc. (Bio-Technology)	<b>Eligibility:</b> Bachelor's degree under 10+2+3 pattern of education in Physical and Biological Science with atleast 55% Marks in aggregate	<b>Duration:</b> 2 Yrs
<b>Course:</b> M.Sc. (Bio-Informatics)	<b>Eligibility:</b> Bachelor's degree with 50% Marks in aggregate from the streams of Science / Engineering / Medicine / Agriculture / Veterinary / Pharmacy with Mathematics at higher secondary level OR Bachelor's degree with 50% aggregate / Master in Computer Application having passed higher secondary in science stream with Mathematics (Those without Mathematics at higher secondary level are required to undergo a summer bridge course to be imparted by the Department of Mathematics, Utkal University)	<b>Duration:</b> 2 Yrs

## RSMT Bio-Tech Programmes - "Building Global Standard Competence"

RSMT delivers Biotechnology programme distinct from that of other education providers. Located in a state of the art building which incorporates both teaching and research facilities together, the School is unique in having industry collaboration with leading Biotechnology & Bioinformatics companies and association with National Level Biotechnology organizations - ABLE Bangalore, AIBA New Delhi and BCIL New Delhi. We aim to nurture biotechnological professionals in a systematic and step-by-step approach, which goes from the easy to the difficult. Through the well-designed courses and modules, students may form their own interest in numerous biotechnological research areas. RSMT targets at industrial application, which may guide fundamental academic studies toward the





mastery of research. With regard to research areas, the Institute attaches high priority to the local technological industries that can be developed at present or in the future. In response to the overall development of the country, the Institute also aims to cultivate advanced professionals of biotechnology for the establishment of “Royal School Bio-Technology Corridor”, in the future. Rigidly defined, the principle development direction of the Institute is on research and application of Biotechnology. Upon the completion of the course, the career opportunities for our graduates will be greatly increased due to the collaboration with the industrial circle. Our graduates will have excellent job prospects.

**Industry-Academia collaboration:**

- Mascon Life Sciences - Mascon Global Ltd., New Delhi
- Helix Genomics (P) Ltd., Genome Valley, Hyderabad

**Linkages with National Level Associations**

- Institutional Member of All India Biotech Association (AIBA), New Delhi
- Institutional Member of Association of Biotechnology Led Enterprises (ABLE), Bangalore
- Research Institute Club Member of Biotech Consortium India Ltd. (BCIL), New Delhi





Well equipped in-house Bio-Technology & Bio-Informatics Lab

Special Job Oriented Modular Training on emerging areas

Industry interface with Biotech Companies for Projects, Training & Placement

Qualified full-time faculty for every subject

Foreign Language & International Certification Training

Business Management Training focusing Biotechnology Entrepreneurship

Information Support Cell for Higher Education, Foreign Education & Career opportunity in Industry & Government Sector

Biotech incubation centre for Bio-ventures in collaboration with Companies & Research Institutes

**Advisers of Studies:** In all faculties there is a Senior or Chief Adviser of Studies working with a cohort of Advisers of Studies who are academic staff and who serve to advise students about academic matters and, where necessary, about social and personal issues.

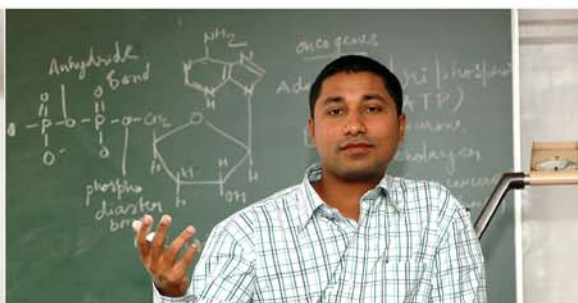
**Computing Facilities:** RSMT offers a wide range of computing facilities, including web-based email and internet access, to all students. The Computing Service runs the Common Student Computing Environment (CSCE). This is a standard computer set-up designed to make life easier for you. Computing Service also runs a helpdesk for students.

**Student IT Literacy Programme:** All undergraduate and postgraduate students are required to take a Course of Basic IT Competence, some students take a one-off test in order to achieve the Certificate while others may need to take a course in order to achieve the necessary level of competence. The IT Education Department also offers Enhancement Units to students who have gained the IT Certificate, focusing on such activities as laying out a dissertation, designing a presentation, preparing a CV, using online databases, or creating web pages.

**The Student Learning Services:** The Student Learning Service aims to support all students and enhance their learning. Each faculty has a designated Effective Learning Adviser who works with departments, providing study skills advice for specific courses. The Advisers also lead general study skills workshops, open to all students, on topics such as essay writing, effective reading techniques, note-making skills and preparation for exams. Students can arrange a one-to-one consultation to discuss strategies for successful learning at RSMT.

**The Language Centre:** The Language Centre provides resources for teaching and learning languages. There are two main areas of activity: Modern Foreign Languages (MFL) and English as a Foreign Language (EFL). The MFL courses are part of the Institution Wide Language Programme, which prepare students to go abroad.

**Career Service:** The Careers Service, is available to give friendly and impartial career planning support throughout your course of study. Whatever your chosen subjects, and whatever stage you are at in your studies, Careers Service staff can help you prepare as effectively as possible for the transition from institute to the workplace, or to further study.





**Career Opportunities:** Biotechnology is the application of techniques and processes that utilize biological systems for the efficient and useful production of materials to serve human needs in agriculture, medicine, industry and daily life. The science of 'Biotechnology' is taking rapid strides. By integrating life sciences, biochemistry, molecular biology, chemical engineering and computer sciences, biotechnology can have profound impact in the fields of agriculture, medicine, animal husbandry and environmental protection. The past several years have witnessed a great conversion of this science into economic benefits due to its applications in many areas. The science of biotechnology is not limited to laboratories but is emerging as an industrial revolution worldwide. Apart from the potential for the industrial growth, biotechnology is also emerging as a 'technology of' hope' for society, especially in developing countries. The potential of biotechnology in producing low cost medicines, nutrition rich food, remediation of environmental degradation, improvement of live stock breeds and health, among many others are well recognized.

The aim of this M.Sc. Biotechnology course is to advance the understanding and transfer of knowledge at the forefront of biotechnology for its useful application in research, industry, commerce and society. Biotechnology is predicted to be one of the pivotal forces of the 21<sup>st</sup> century. The courses take a multidisciplinary approach designed to provide students with knowledge and skills to be the interface between science and industry. The biotechnology industry is an important and growing industrial sector is considered by many to be key to the future of manufacturing. Biotechnologists study plant, animal and microbial sciences, underpinned by biochemistry, genetics, computing and some applied aspects of agriculture, environmental science and food science. In recent years, demand for biotechnologists has increased through the many developments in the industrial application and exploitation of biochemical processes, like the manufacture and use of enzymes, medical diagnostic reagents and therapeutic agents, and agricultural applications. Biological waste treatment is becoming increasingly important as legislative requirements become more stringent. Graduates are capable in assisting the industry in all of these issues and have a role in production, technical sales and research and development. In addition to the career opportunities in the biotechnological industries, the academic training our graduates receive equips them for positions in other industries, commerce and Government service.

**The Biotechnology programme aims to:**

- Provide a course containing integrated periods of industrial training allowing students to experience and apply the skills developed during the course. The education provides an excellent basis for your future career.
- Provide a programme of education which will enable its graduates to enter a career in the biotechnology-based industries as scientists or technologists in production and research and development.
- Provide a broadly based scientific and technological education whose graduates can also enter a career in other areas of applied biology or processing.

**How you learn:** An integrated programme of lectures, tutorials, seminars, laboratory assignments and case studies are used to enhance your knowledge and understanding and enable you to make progress. Both the research project route and the mini-project route are designed to allow you to apply your studies and gain the maximum benefit from them.

**How you are assessed:** A combination of written submissions, presentations, laboratory assignments and formal examinations are used throughout the programme.

**Graduates of this programme have:**

- A firm understanding of the theory behind the basic disciplines of biotechnology;
- knowledge and skills in biotechnological techniques and methods for solving technical problems;
- Knowledge and skills in their selected specialisation;
- Skills to solve complex problems using an integrated approach.

