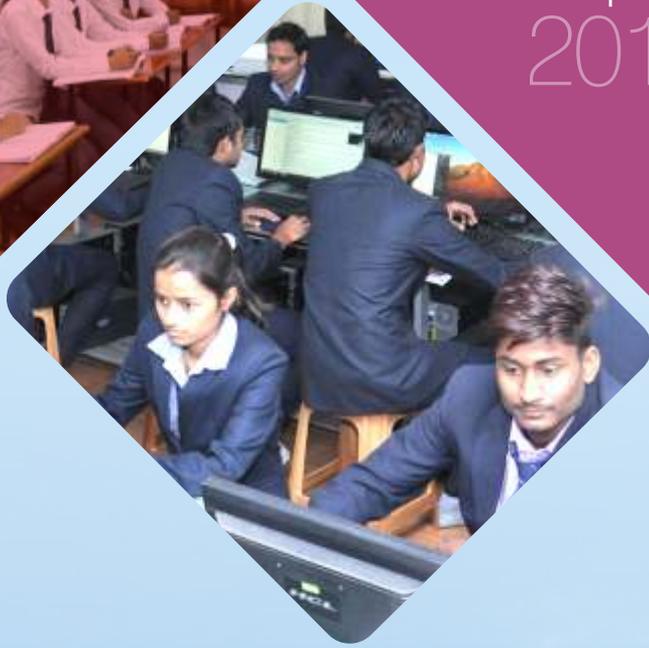


Prospectus 2017-18



*Yogoda Satsanga
Mahavidyalaya*





YSM
CENTRE FOR VOCATIONAL STUDIES

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Yogoda Satsanga Mahavidyalaya

50 years of serving the underserved

Yogoda Satsanga Mahavidyalaya (**YSM**), established in 1967 under the auspices of **Yogoda Satsanga Society of India (YSS)**, a leading spiritual and charitable organization, founded by **Sri Sri Paramahansa Yoganandaji**, celebrates its Golden Jubilee in 2017.

Yogoda Satsanga Mahavidyalaya (**YSM**) is a minority grant-in-aid institution recognised under Sec 2(f) and 12(B) of the UGC Act, 1956 and has a secular outlook. It was established in 1967 under the aegis of YSS and is permanently affiliated to Ranchi University. Since its inception, it has been striving to satisfy the higher educational aspirations of the less privileged sections of the sub-urban and rural belt of Ranchi, especially reaching out to the tribal communities.

2017 - A landmark year for both YSM and its parent institution YSS

YSS Centenary Year : 1917 to 2017 - 100 Years of a Spiritual Legacy:

- The ideal of right education for youth, based on the moral and spiritual values had always been very close to Yoganandaji's heart. On March 22, 1917, Sri Sri Paramahansa Yogananda founded a Brahmacharya Vidyalaya (yoga based school) with 7 boys at Dihika, a hamlet near the industrial town of Asansol in rural Bengal.
- While most academic institutions focus on intellectual growth, Yoganandaji wanted the children to harmoniously develop their body, mind, and soul. A unique feature of the school was the disciples' initiation into Kriya Yoga. The school curriculum devised by him included agricultural, industrial, commercial, and academic subjects. Following the educational ideals of the rishis, he arranged that most of the instructions be given outdoors.
- So successful was Yoganandaji's unique spiritual and educational training for the boys that in just one year applications for admission reached two thousand while the school could accommodate only about a hundred boys. A year later, the school was relocated to Ranchi. After this move, two more schools were established at Puri, Odisha and at Bankura, West Bengal.
- Those humble beginnings have now grown into a nationally respected institution comprising seventeen schools for boys and girls, from pre-school through college level.
- YSS started many schools and colleges in the erstwhile Bihar (now Jharkhand) thus catering to the educational needs of the rural poor of the newly independent nation. By 1968 there were about 1,400 boys and 400 girls enrolled in YSS high schools and about 800 students in its two colleges. All educational institutions were being run within the Ashram premises. Soon there was a need to shift the educational institutions outside the Ashram to meet their growing requirements. A particular site at Jagannathpur, 11 km from the Ranchi Ashram, was identified and by 1981, the college and boys' school were shifted to this new location.
- Although the school and college have been shifted, the students of various Yogoda Educational institutions continue to be brought to the Ashram every year to participate in a week-long how-to-live Program, guided by YSS sannyasis.
- The founding of YSS in 1917 was the beginning of a spiritual renaissance that changed the way people approach God and spirituality. YSS was

founded with the special mission of disseminating among nations the knowledge of definite scientific techniques for attaining direct personal experience of God, thus fulfilling a vital spiritual need of mankind. For the first time, a step-by-step guidance towards integrating the scientific and practical meditation techniques of Raja Yoga in daily life was made available to true spiritual seekers, which was hitherto hidden to the common man.

- In this age of atheism and skepticism, the new generation of India is looking for a sense of direction and purpose to shield themselves from the negative influences and the many challenges of modern life. Paramahansaji's non-sectarian "how-to-live" teachings offer a panacea to many of these ailments by showing the way to a balanced, blissful, and contented life that is in harmony with the inner Divinity of the soul.
- YSS's primary activity is spiritual service to mankind through spreading Sri Sri Paramahansa Yoganandaji's divine teachings.

YSS at Present

- YSS today is a thriving and dynamic spiritual family spread throughout India. Through humble beginnings with a mere seven boys in Dihika in 1917, the organization has grown extensively, bringing scientific meditation techniques and knowledge of yoga to every seeker irrespective of caste, creed or religion at their doorstep. In its hundred year journey YSS has remained true to the aims and ideals it propounds, serving mankind as its larger self.
- A large number of educational institutes, charitable medical dispensaries, free medical camps and service activities are being successfully run by YSS, serving vast sections of the poor and needy. YSS membership has increased from a mere 500 in 1952 to more than 1.6 lakh at present. Total number of dhyana kendras and mandalis in India in 1952 was 16. At present there are more than 200 YSS meditation centres active in India.
 - Ashrams: YSS has four ashrams in India
 - Ranchi (1917)
 - Dakshineswar (1939)
 - Dwarahat (1983)
 - Noida (2010)

- The YSS ashrams attract visitors who come from different parts of India and abroad belonging to varied backgrounds. Several eminent personalities including spiritual leaders, government officials and foreign dignitaries have visited the ashrams from time to time. Recently the Chief Minister of Jharkhand, Sri Raghubar Das, was the guest of honour at Ranchi during the centenary celebrations at the ashram.
- The Organization has more than 1.6 lakh YSS devotees in India, 60 resident monastics, and serves in the areas of education and healthcare. It also provides basic amenities for the poor and relief material during natural calamities. Above all, thousands of devotees visiting the ashrams feel the unmistakable presence and blessings of Paramahansa Yoganandaji.
- Paramahansa Yoganandaji said, "Hundreds of thousands, not dozens merely, of Kriya Yogis are needed to bring into manifestation the world of peace and plenty that awaits men when they have made the proper effort to re-establish their status as sons of the divine Father....May all men come to know that there exists a definite, scientific technique of Self-realization for the overcoming of all human misery."
- The hundred years that have gone by are just a beginning in the millennial divine dispensation of YSS/SRF*. More and more people everywhere are joining the Kriya Yoga path of the pilgrimage of Spirit.

**Self- Realization Fellowship –Founded by Sri Sri Paramahansa Yogananda in 1920*

YSM Golden Jubilee: 1967 to 2017 50 years of service

- The aim and ideal of the parent organization YSS – "To serve mankind as one's larger Self", finds expression in the work done by YSM – to serve the underserved.
- A significant percentage of the student population comes from marginalized sections of society – SC, ST, OBC and the economically disadvantaged.
- YSM serves the youth from the rural areas and has significant engagement with and representation from the tribal community.
- From humble beginnings of around 800 students in 1968, the strength of the YSM college has grown to around 4,000 students, with healthy gender diversity.
- The college with its modern infrastructure, highly capable intellectual human resource and progressive vision has made a mark in the higher education arena of Ranchi.

From the Chairman's Desk



Yogoda Satsanga Mahavidyalaya is one of a number of educational institutions managed by Yogoda Satsanga Society of India, whose founder Paramahansa Yogananda has been acclaimed as the Father of Yoga in the West.

This Yoga, that Yoganandaji expounded and preached relates not just to the popular physical yoga but to the spiritual yoga, the science of Self-realization--that is the real meaning of yoga--whereby with wisdom-tuned dynamic will, one changes one's destiny.

Guided by Yoganandaji's ideologies, the Mahavidyalaya seeks to convey a way of life based on spiritual perspectives, even while embracing the contemporary realities of the modern society facing global cultural needs and challenges. Higher education in India today demands outstanding academic leadership by individuals who can steer change through a sense of purpose, conviction, and empathy.

In collegiate education, while one speaks of structures and systems, curricula and syllabi, evaluation and appraisal, there is always a need of a vital ingredient--that of moral education, i.e., education in human values which alone gives, not just sanctity but also credibility to the entire educational edifice. Yoganandaji made an acute observation that many college graduates leave their universities "with a top-heavy, book-inflated head, and are unable to walk straight on the path of life because their legs of will and self-control have been almost paralyzed through disuse. They tumble headlong into the pit of wrong marriage, sex misuse, inordinate money-craving, and business failure because they have not been taught any use of their college-sharpened mental blades of smartness except to hurt themselves."

Amidst the healthy and disciplined academic atmosphere of this Mahavidyalaya, there is a focus to encourage young men and women to continually grow in spirit and inculcate ethical values whereby they may be more useful to their family, society, and country and become responsible global citizens while aspiring to attain their life's objectives. The Mahavidyalaya therefore attempts--in keeping with Yoganandaji's model--to concentrate on inculcating in the students the universal principles of peace, love, service tolerance, and faith that govern the spiritual life and to devise practical methods of growing such seeds in the fertile soil of the student.

My heartiest wish is that the honorable members of the Governing Body, the teachers, the non-teaching staff, the students and their guardians may continue to maintain an ideal and peaceful academic atmosphere in this institution.

Swami Smaranananda Giri
Chairman, Governing Body,
Yogoda Satsanga Mahavidyalaya



The Principal Speaks



It's heartening for me to see the progress we have made and the distance we have covered in the last 50 years while trying to remain true to the philosophy of our friend, guide and Guru- Paramahansa Yogananda,

I believe that this journey has given tremendous confidence to think bigger and better. We definitely have the ability and experience now to accelerate on being a global institution that can be a bellwether for education roadmap that needs to be given to our young generation to truly combine the best of Western Education tenets with the rich Eastern philosophy to create confident, capable and illustrious world citizens.

In keeping with Yoganandaji's philosophy of all round development we are focusing strongly on initiatives unique to our philosophy.

With this faith in mind, we have planned numerous initiatives this year and this could propel us to greater heights.

We have planned a series of initiatives for students to understand their true nature and manifest their creative expression. Some of these initiatives I would like to specifically mention here, the rest you could read in more detail in this brochure.

1. Meditation and "How to live" series- This will become an anchor for students throughout their lives. A strong inward focus keeps life and work balanced bringing tremendous joy and happiness in one's life.
2. Talent recognition through mobilisation of independent student clubs (literature, drama, environment and many more) for creative expression.
3. Student exchange programs with leading Universities for a global exposure
4. Exposure to the best teachers alongside our illustrious teaching Staff. Bringing in visiting faculties with global degrees and from our best Institutes like IIM and IITs. We expect this to give our students a strong sense of pride in their Institution's commitment to their growth.
5. Career Counseling and Mentoring -We believe each individual has a unique map of interests and talent and the closer we align to that, the better his chances of success and happiness. We intend to bring in professional people to help us with the task of mentoring and counseling our students and help create a close, trusting and friendly bond between our teachers and students.

Parallel to all these initiatives run our various other programs like NCC, NSS, Sports Club, Research projects and much more.

We will endeavor to enrich each day of our College life with our students.

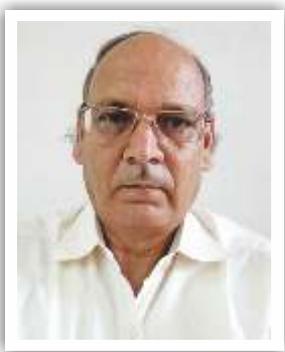
I am excited stepping into this new session and hopefully we will have a lot of accomplishments of our students and Institution to share in the coming days.

Dr. B. Thakur
Principal

Yogoda Satsanga Mahavidyalaya



The Secretary Speaks



It gives me immense pleasure to welcome you to Yogoda Satsanga Mahavidyalaya.

Our Mahavidyalaya's aim is to educate the youth to take their productive place as leaders in the global community by offering them a comprehensive well-rounded education. The curriculum of Yogoda Satsanga Mahavidyalaya emphasizes the acquisition of knowledge, useful skills, understanding, critical thinking, and problem-solving abilities. We believe that each student is unique

and special and we try our best to personalize the education based on each student's needs and talent. Yogoda Satsanga Mahavidyalaya encourages and guides students to be self-directed, realistic, and responsible decision makers.

Our Mahavidyalaya is an amazing playground where each child discovers his/her true calling and unleashes dreams and hopes for the future. An array of events and activities fill up with drama, cultural and various other kind of Clubs, Competitions, Theme based assemblies, Subject Weeks, Sports Meets, Guest Speakers, Seminars, Workshops, Excursions, NCC, NSS, Smart Class.....the list is long and the enthusiasm for everything is endless. We have a well equipped and rich library, Computer Lab, Science laboratories, etc. We are also happy to mention that Mahavidyalaya surrounding are well maintained, which make for a conducive environment for teaching and learning.

Our aim is to enhance children's feelings of self-worth and appreciation of their own and other people's ethnicity, culture and language in a multi-cultural society.

Our efforts are to create an environment that encourages students to take the canvas of hope and the brush of a glorious vision and paint their own portrait of personal excellence, encouraged and guided by our institution- Yogoda Satsanga Mahavidyalaya.

I wish all of you a glorious and progressive year ahead!

(Dr. Baikuntha Pandey)
Secretary
Yogoda Satsanga Mahavidyalaya



Vision & Motto

The college constantly endeavours to move towards the education philosophy of our Guru and Founder Sri Sri Paramahansa Yoganandaji. To find a harmonious combination of the Eastern idealism and the Western practicality is one of the central tenets of YSM.

Paramahansa Yoganandaji spent most of his adult life in the West, teaching the Westerners Kriya Yoga and the Eastern Philosophy. While he always praised the West for their material development and was in favour of adopting the best modern practices from the West for mitigation of poverty in the East, he truly believed, that, without imbibing the Eastern Philosophy's way of life and spirituality, any development would be hollow, unsustainable and very fragile.

At YSM Education, we attempt to dovetail the deeply enriching Eastern philosophy with the Western education curriculum which is the norm today.

Our approach in Education aims to eliminate the major weakness of one-dimensional contemporary teaching and its failure to teach the basic human skills, like getting along with others and oneself, living healthily, developing latent talents, and acquiring the tools of self-education. The college not only promotes the use of modern technology but also inculcates values and ethics in students for moulding them into excellent citizens with a strong creative self-expression and understanding of spiritual values, which alone can give complete meaning to one's life.

The Mahavidyalaya's motto **“Knowledge acquisition towards Self- actualization”** bears its origin from the *Mahavakya* as propagated by Lord Krishna in the *Bhagvad Gita: 'Tadvidwipranipatena pariprashnenasevaya (IV, 34)'* – meaning **“A disciple who is in tune with the guru: by self-surrender, by intelligent questions, and by selfless service, learns through unalterable devotion to perceive the Spirit behind the egoless transparency of the guru's personality.”**



Empowering our vision through unique initiatives

Student co-creators

In line with our philosophy of creating knowledgeable and capable global citizens, students are given the opportunity to hone their leadership skills through the Students' Council-the apex student body of the college. The Students' Council members are consulted on various key issues and challenges at the college. Their views are discussed and debated for inclusive participation in shaping the current and future course of the institution. We strongly believe that students should become part of the decision making process from an early stage. This gives them confidence in their thinking abilities, improves their leadership skills and inculcates a sense of responsibility and accountability that will anchor them in their lives ahead.

Life skills through "HOW TO LIVE" Series

The Mahavidyalaya is blessed to have the rich legacy of Yogoda Satsanga Society and its literature. "How to Live" series is a minuscule part of this literature consisting of lessons on human life. The college conducts classes on "How To Live" Series and imparts life skills in these classes.

This is core to the YSS philosophy of not only imparting vocational skills to students but also giving them balanced moral and spiritual anchoring to become strong individuals capable of being role models.

Student Exchange Programs and Study Tours

The College has entered into Memorandums of Understanding (MOUs) with some leading institutions, like Shoolini University, Solan, Himachal Pradesh, Pune Institute of Business management (PIBM), Pune, Maharashtra, and Institute of Personal Leadership, Columbia, United States. The student exchange programs are being conducted with Shoolini University and PIBM.

Exchange programs include the adventure of travel, different aesthetic and cultural perspectives that feed creative innovation, and the occasion to build new connections. These programs increase professional visibility through varied interactions. The long-term benefits involve a larger network of possibilities when pursuing professional goals, an expanded mindset with increased appreciation for cultural diversity, as well as an experience that serves as a positive resume addition that appeals to potential employers, while also speaking of personal flexibility, collaboration and fortitude.

Student Research Projects

This is a unique initiative where the students and faculty join hands to conduct research on different and interesting topics from their subject of choice.

Research experience allows the undergraduate students to better understand published works, learn to balance collaborative and individual work, and determine an area of interest. Through exposure to research as undergraduates, many students discover their passion for research and move on to graduate studies and faculty positions. Undergraduate research also provides students with a one-on-one mentorship that is otherwise difficult to obtain in the undergraduate curriculum.

A very potent advantage is in learning the balance between independence and collaboration. Research is often performed in teams, and one learns to balance a collaborative effort in the lab with what one is capable of accomplishing independently. Interdisciplinary work is difficult to teach in the classroom, and on-the-job experience with teams is a bonus for any workplace environment. The nature of research today is such that interdisciplinary teams are becoming the norm, and gaining firsthand experience in teamwork should be learnt from an early stage in one's career. It can be immensely productive.

Student Live Industry Projects

Especially for our students of vocational courses, College will partner with the Industry to obtain live projects for practical training.

The projects done under the supervision of the visiting faculty and the department head will solve and deliver the actual requirements made by the companies for their business needs.

The curriculum taught in the classes does not give students the real understanding of business requirements. Live projects are real business problems and requirements taken from the companies directly as project work. These projects help students to learn methods to create business output as per expectations and delivery timelines from company's own employees or outsourced professional vendors/partners.

These projects will be eventually used by the company. Therefore, students will need to work with the timelines, design, user interface, quality specifications, coding standards, product and marketing advisory as is expected in the real business world.

We also undertake management consultancy where students are involved with the faculty to provide consultancy and solutions.

Career Counselling Cell:

The advent of latest technology and information systems has opened new avenues for the modern day youth. Career Counseling Cell of the College assists the students in selecting from the wide range of career opportunities available after completion of their course.

Career Counseling is concerned primarily with helping the individual to make decisions and choices involved in planning for the future and to form career decisions and choices for career adjustment.

To make the right career choices the Institute from this year onwards will be making significant investments in the following areas:

1. Personality assessment

Psychographic and Psychometric tests will be administered to figure out the latent /obvious strengths and areas of interest in which the student will most likely succeed and thereby enjoy his career.

The right career fit to the personality type is often dismissed casually in India. It is a very strong need of an individual for a fulfilling and enriching life. The students are most likely to succeed in one's own area of strength and interest rather than following what is in vogue and fashionable.

2. External Counsellors

Counsellors will visit to conduct sessions, organize webinars and to have one-on-one interactions with students to help them understand their career options and explore other courses of interest. Such activities give students insights on their career selection and what that career has to offer. For example - career prospects, job availability, companies recruiting, etc.

3. Alumni

Another great way for students to gain exposure into understanding their future prospects is to interact with their college alumni. Aspiring students can learn from the experience of their seniors who can share the preparatory activities around academics, webinars that helped them, extra-curricular activities they participated in, test preparations, career resources both online and offline, etc.

The college intends to make these interactions a regular feature for the vocational courses.

OTHER HIGHLIGHTS

NCC: The College has two NCC units at present, one for male and the other for female students. Enrollment to the NCC units is offered to the students soon after their admission to the college. The NCC cadets have substantial and noteworthy achievements to their credit.



NSS: There are two NSS units at the college and enrollment to it is open for all students. The NSS unit II has recently adopted Kute village from the neighboring locality and has conducted a 15 day program at the village which included cleanliness drive, survey of the households, literacy drive, etc.



Literary Events: The College being an institution of higher education is committed to literary activities other than teaching-learning. The literary events encompass debates, discussions and discourse over prominent and contemporary issues.



Societies and Clubs: Along with the Students' Council, the students also run various Societies and Clubs, enabling them to learn the organisational and people skills, and providing an outlet for their own unique talents.

YSM plans to further develop and make these Clubs and Societies an intrinsic part of student development. Theatre and Drama Club, Environmental Club, Red Ribbon Club, Sports Club, Literary Society, Cultural Society and a few more are all active due to the initiative and enthusiasm of our students.

Remedial and Tutorial Classes: The College conducts regular Remedial and Tutorial classes for students who need some extra help apart from the regular classes. These classes have succeeded in raising the level of comprehension of the basic subjects in each student and ensuring that the curriculum moves ahead at a brisk pace with active participation in learning from each student.

Weekly Seminars: Seminars are a regular feature at the college. All departments organise weekly seminars in their respective departments where the students learn contemporary developments in their subject and benefit from the experience of internal and external experts.



Journal: The College publishes a journal in the field of Science and Management, namely, Lakshya (ISSN No. 2395-0862). The students and faculty members may get their research papers published in the journal without paying any subscription/membership fee.

Institutional Social Responsibility (ISR) Initiatives: The College believes in sharing its prosperity with the community. The college organizes awareness drives in the neighbouring areas on various contemporary matters such as environment protection, gender equality, inclusion, etc. The college has adopted Kute Village under the flagship of its NSS unit and is committed to bring forth substantial changes in the locality.



Cultural Activities: Cultural events are organized by the college from time to time to mark and celebrate different occasions. The students are provided all required support for exhibiting their talent during these events.



As most of these activities are group-oriented they foster inter-personal skills and team work, and give the students a chance to interact with people of different backgrounds and cultures. Not only do they learn to appreciate the diversity of India but also learn the uniqueness in each one of us, which comes from every individual's cultural and social background. Appreciation and understanding of our culture and its diversity are enormously helpful for students as they move ahead in life.





FACILITIES

The college is spread over an expanse of greenery and offers students an environmental friendly ambience. The facilities are:

- The college is spread across 15 acres
- The college has a spacious canteen
- Yoga and Meditation Center
- Large spacious gardens
- Main Building of three floors with an area of 34,465 sq.ft.
- Vocational building of three floors with an area of 7,507 sq. ft.
- 29 ICT enabled lecture rooms
- Library for the vocational courses with a collection of over 41,000 course and reference books, magazines, Journals and local and national dailies.
- E-resource called INFLIBNET with access to thousands of books and journals is available in the Digital Knowledge Center within the Library.
- An open-to-the-sky reading arena within the library for students to study sitting in the lap of nature.
- Laboratories for Zoology, Computer Science, Physics, Chemistry, Botany
- Botanical Garden
- 14 various office rooms
- Student common rooms
- Water purifiers and coolers
- Sports room
- The college has one of the best grounds with most of the sporting facilities and equipment.
- NCC and NSS offices
- Seminar Hall
- Parking lot for students



Website and E-learning

The college website is being developed as an e-learning platform for helping the present day tech-savvy students with online learning. The website keeps students updated of the recent activities and news from the college.

The Institute in collaboration with Shooloni University is launching a fully integrated e-learning module for YSM.

In the next 2 years we intend to make YSM a complete e-enabled college where all courses, teaching aids, mentor interactions, attendance, feedback, admission and financial transactions will be managed through our digital platform.

The initiative will help us to give personalised training to students, better accessibility to information and grievance redressal and will reduce overall response time on all matters. This will not only raise academic learning and experience but will also give enhanced satisfaction to all stakeholders - students, teachers and administrators.

Sports & Games

The College conducts and hosts different sports and games on the campus to help ensure overall development of the student. The college team participates in events at the University level and many students have been selected in the University and zonal teams. The college provides optimum support to the participating students in individual sporting events. The college has one of the best grounds with most of the sporting facilities and equipment.

Facilities available for the following sports:

1. Table Tennis
2. Volleyball
3. Badminton
4. Cricket
5. Football

A basic gymnasium is also being provisioned from the current session.

We host many inter-college sports events and provide active help to students who wish to compete at university or State level. We also provide special aid to students with achievements in sports.

FINANCE & SCHOLARSHIPS

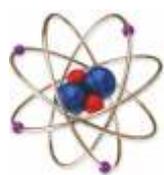
Merit Scholarships: The Mahavidyalaya offers sponsored Scholarships to the meritorious students. The scholarships are offered openly to all students and are awarded purely on the basis of merit. These Scholarships are enlisted below:

- a) Paramahansa Yogananda Scholarship for Physics Honours students.
- b) Paramahansa Yogananda Gunjan Kumar Scholarship for Arts, Science and Commerce students.
- c) Paramahansa Yogananda Scholarship in memory of P.V.R. Murty in Mathematics.
- d) Sports Scholarship (Yogoda Gunjan Kumar Scholarship for Boys and Girls)
- e) Yogoda Manju Bakshi Scholarship for girls.
- f) Best Graduate Awards for Arts, Science and Commerce students.
- g) Paramahansa Yogananda Scholarship in memory of Sri Sanjay Das to a student of BBA/BCA/IT.
- h) Paramahansa Yogananda Scholarship in memory of Sri Rajesh and Santosh Kapoor to a student of BBA/BCA/IT.
- i) Paramahansa Yogananda Scholarship in memory of Sri Amba Prasad and Shanti Devi to two students of BBA/BCA/IT.
- j) Paramahansa Yogananda Scholarship in memory of C. S. Mohan to a student of BBA/BCA/IT.

Financial assistance: The College ensures financial assistance to the needy students belonging to financially weaker section of the society. Financial assistance up to 100% fee waiver is given to the deserving candidates including students from the General category. The SC/ST/OBC students are assisted by the college in the process of applying for the stipend given by the Welfare department of the Government of Jharkhand.



UNDERGRADUATE COURSES AT YSM



B.Sc. Honours in Physics

New ideas in Physics often explain the fundamental mechanisms of other sciences, while opening new avenues of research in interesting areas and contribute significantly towards advances in new technologies. Indeed, there are entire industries, which have grown out of developments in areas of Applied Physics such as semiconductor device physics, optics, laser physics, nuclear physics and medical physics. In addition to its importance to technology and industry, Physics plays a fundamental role in affecting the attitudes and behaviour of society.

The course helps students to develop proficiency in the analysis of complex physical problems and the use of mathematical or other appropriate techniques to solve them. Also they will be able to provide a systematic understanding of core physical concepts, principles and theories along with their applications.

Students can explore a broad and exciting range of topics, such as:

1. Quantum Mechanics
2. Astrophysics
3. Solid State Physics
4. Particle Physics
5. Electromagnetism

A degree in Physics can do wonders for the career path of students if they want to explore space, time, matter or the many other intriguing elements of the physical world. While many Physics graduates go on to work within research roles, others can pursue options in many different industries – including education, automotive and aerospace industries, defence, the public sector, healthcare, energy, materials, technology and many more.



Know your Teachers

Dr. Subhash Chandra Mukerjee
Associate Professor and HOD
Experience: 32 Years
Qualification: Ph.D. on the topic
“Energy Spectrum of An Electron in
Some Mesoscopic Systems”
M.Sc. with Specialization in:
Theoretical Physics.



B.Sc. Honours in Chemistry

The aim of the B.Sc. Chemistry Program is to enhance a sense of enthusiasm for Chemistry and to involve students in an intellectually stimulating experience of learning in a supportive environment. We provide comprehensive training with a sound background in all aspects of Chemistry as part of an all-round scientific education, training in practical Chemistry and an appreciation of the importance of the discipline in different context. Students also get the opportunity to develop knowledge of a variety of different Chemistry applications.

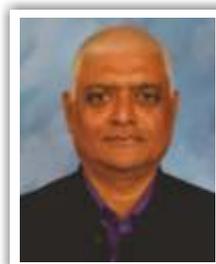
After a degree in Chemistry, career options are varied and stimulating: Chemical Engineer, Clinical Biochemist, Forensic Scientist, Pharmacologist, Research Scientist (physical sciences), Toxicologist and many more.

Know your Teachers



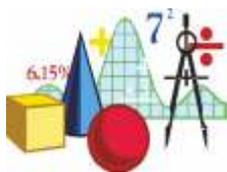
Dr. A. K. Dubey
Associate Professor and HOD
Experience: 32 years
Qualification: Ph.D. on the topic
“Studies on co-ordination complexes
of some bi-valent metal ions with
Sulphur Oxygen and Nitrogen
donorschiff bases”.

M.Sc. with specialization in Inorganic Chemistry.
Publications: Studies on co-ordination complexes of some bi-valent metal ions with Sulphur Oxygen and Nitrogen donorschiff bases.



Dr. N. N. Choudhary
Associate Professor
Experience: 27 years
Qualification: Ph.D. on the topic
“Electro Chemical Polymerization of
Acrylymide and substituted
Acrylamids”
M.Sc. with specialization in Inorganic
Chemistry.

Publications: Electro Chemical Polymerization of Acrylymide and substituted Acrylamids.



B.Sc. Honours in Mathematics

Mathematics is at the Centre of the modern world. All quantitative sciences, including physical and social sciences, are based on it. It provides the theoretical framework for physical science, statistics and data analysis as well as computer science.

Students will study the broad spectrum of pure Mathematics (algebra, calculus, geometry and logic) and the application of these to a number of areas. Key modules like Problem Solving Methods will help students to develop the ability to solve complex mathematical problems and relate theory to practice.

Mathematics degree provides a solid grounding in the methods of modern applied mathematics and brings out the intrinsic beauty of mathematical ideas. The lecturers provide students with a supportive environment during their Mathematics degree to allow them to fulfil their potential.

Mathematics prepares students for a **diverse range of careers such as actuaries, mathematicians, managers economists, engineers, computer scientists, professors** and much more. Advanced skills in mathematics learnt through Graduate Studies, Master's and Ph.D.s are a necessity in many science related careers, particularly for **computer science and engineering jobs**. The world, as we know it today, is **data-driven**; thereby rendering those with excellent mathematical skills a highly desired resource.

Know your Teachers



Dr. Anil Chandra Pathak
Associate Professor & HOD
Experience: 31 Years
Qualification: Ph.D. on the topic "Magneto - Thermo - Elastic Deformation and Waves in micropolar and other generalized Media",
M.Sc. with specialization in Statistics and BLT



Dr. Raj Chandra Lal Das
Assistant Professor
Experience: 27 years
Qualification: Ph.D. on the topic "Some results on probability measures on Topological vector spaces"
M.Sc. with specialization in Probability Theory.



B.Sc. Honours in Botany

Botany comprises several sub-disciplines that focus on the different aspects of plants, including genetics, taxonomy and systematics, cell and molecular biology, plant form and function, pathology, and ecology. Botany is an ideal major if a student is interested in understanding biodiversity and addressing current and future threats to our unique native flora, aquatic ecosystems and the sustainability of agricultural crops.

Career options for Botany Students are with educational institutions, state agencies, and industries. Job opportunities usually depend upon educational training and experience. New positions in botany are expected to increase at an above-average rate through the turn of the century. Growing world population continues to increase the need for better food supplies. Environmental concerns, such as air, water and soil pollution, will create openings for ecologists in Government and Industry. The search for new drugs and medicines and useful genes for improving crop plants will continue to create a need for botanical explorers.

Know your Teachers



Dr. Suniti Choudhary
Assistant Professor and HOD
Experience: 27 years
Qualification: Ph.D. on the topic "Morphological and Anatomical Studies on the rice plants suffering from Gall Fly diseases"

M.Sc. with specialization in Plant Physiology.
Publications: 02

- Morphological and Anatomical Studies on the rice plants suffering from Gall Fly diseases
- Utilization and conservation of bamboo: A natural resource of Jharkhand



B.Sc. Honours in Zoology

The degree aims to provide students with a broad base of animal knowledge, with the opportunity to specialise later on. Specialist topics include animal behaviour, conservation biology, ecology and animal physiology.

To obtain an in-depth understanding of animals, students start with a general study of the biosciences, from cell biology and the study of insects, to whole organisms and species, communities and ecosystems.

Zoologists are often known by the branch of Zoology they specialize in. For example, those who study the origins, life processes and behaviors of birds are known as Ornithologists. Those who study the origins, life processes and behaviors of reptiles and amphibians are known as Herpetologists. Other careers where a Zoologist could find employment include Animal caretaker, Veterinary Technologist, Environmental Consultant, Technical writer, and Research and Laboratory Technicians.



Know your Teachers

Dr. Indumati Thakur

Assistant Professor and Head of the Department

Experience: 27 years

Qualification: Ph.D. on the topic "Studies on the effect of starvation on the body tissues of Teleost fishesh"

M.Sc. with specialization in Entomology.

Publications: 03

- Starvation Effects on the Biochemical composition of blood in the fresh water Teleost-Hetropneustes fossils
- Effect of Pineal 5 Meltioxytryptophan and 5 Methoxyindole-3 Acetic acid on the Accessory sex organ function of Indian palm squirrel Punnabulas pennant
- Effect of pineal 5 – melhoxytryptopholon the male gonads of Indian garden lizard calotes versicolor



Dr. Anjana Varma

Assistant Professor

Experience: 30 years

Qualification: Ph.D. on the topic "Studies on the role of pineal gland of some tropical animals in relation to their reproductive cycles"

M.Sc. with specialization in Entomology

Publications: 05

- Effects of continuous on Leets L panel gland of Indian garden lizard
- Effect of pinal-5 nethoxytry patina of C resin color S.W diversity advances dominance & evenness of lady bird bellesrest available on request



B.A. Honours in Political Science

Political Science is a highly popular course around the globe. Bachelors in Political Science enables students to analyse the fundamental problems in human society such as world peace, economic crisis, globalisation, international trade, and more. A political science Program will help students to better understand how governments operate and interact, the impact of government policies upon economic stability and growth, and how laws affect social and political change. Politics influences every aspect of our lives and contributes to the well-being of a nation, including education, employment, healthcare and housing.

Political science degrees will help develop key skills fora future career, including critical thinking, data analysis, effective communication, mediation skills, and also a deep understanding of legal codes and procedures, and knowledge of significant historic events.

A Bachelor's degree in Political Science can prepare students for a diverse range of job opportunities in public, private, or non-profit sectors. This course is ideal for ambitious students looking to build a career in education, law, business, politics, government, communications, or journalism.



Know your Teachers

Mr. R. C. Pandey

Reader and Head of the Department

Experience: 36 years

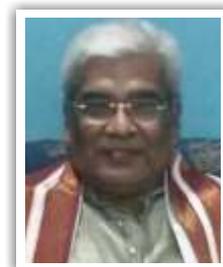
Qualification: M.A. Political Science

Mr. S. N. Singh

Reader

Experience: 36 years

Qualification: M.A. Political Science with specialization in Public Administration



Mr. Prakash Sahay

Reader

Experience: 33 years

Qualification: M.A. Political Science



B.A. Honours in History

Bachelors of Arts (B.A.) in History is a graduate level course. This course is offered to those students who are fascinated with history and would like to learn as well as understand the vast chronicle of human civilization and their response to change of events from time to time. Apart from giving students a very good insight into the past, this subject helps them to explore what is left behind and which elements connect these to the ancient forefathers. Historians have the opportunity to get very good jobs with firms not only in our country but also abroad.

Career options for students who have finished their graduation in history are quite high. They can go for advanced studies or get jobs. Those who would like to pursue their studies can go for Master's degree in the same field. History Students can land jobs as Archivists, Information Managers, Records Manager, Journalists and also a few more exciting options that open up after advanced trainings in specialised domains.

Know your Teachers



Dr. Manoj Shekhar
Associate Professor and Head of the Department
Experience: 27 years
Qualification: Ph.D. on the topic "A Study of Indo - Pak Relation After 1971"
M.A. with specialization in International Relations and Law



Dr. Sudarshan Singh
Associate Professor, Experience: 33 years
Qualification: Ph.D. on the topic "Aspects of Socio- Economic History of Shahabad District (1765 AD- 1865 AD)"
M.A. with specialization in Modern Indian History



Dr. Prakash Ratan Jha
Associate Professor
Experience: 28 years
Qualification: Ph.D. on the topic "Role of Agriculture in Economic Development: A case of study of the Indian Economy"
M.A. in Economics
Publications: Agriculture & Economic Development



B.A. Honours in Economics

Economics graduates are employed in a range of posts which may, or may not, be related to the discipline they studied. They work in manufacturing, transport, communications, banking, insurance, investment and retailing industries, as well as in government agencies, consulting and charitable organisations.

Economics also helps students to develop problem-solving skills and encourages them to become adept in numeracy, IT and the use of statistical methods. There may also be opportunities to foster team-working skills. The awareness of opportunity cost and the ability to interpret statistical evidence are especially important skills developed in the typical Economics Program. Students with an Economics degree have different career options like Economic Journalists, Financial or Investment Analysts, Statisticians, Bankers and Financial Experts and a statistics background is also preferred for jobs using Data Analytics and Big Data in the IT industry.

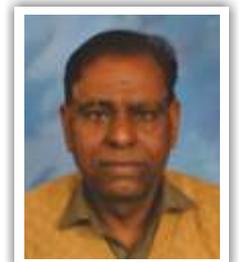
Know your Teachers



Mrs. Pragati Bakshi
Assistant Professor and Head of the Department
Experience: 13 years
Qualification: M.A. with specialization in Growth and Planning
Publications: 04

- Role of Community based monitoring of ICDS
- Economy and Employment: Status of Muslims in India
- Women Empowerment through employment and Inclusive Growth.....Rest on request

Dr. S. N. Prajapati
Associate Professor
Experience: 35 years
Qualification: Ph.D. on the topic "Industrial Relation in Public Sector Undertakings - A case study of Bokaro Steel Plant"



M.A. in Economics with specialization in Math Economics, Labour Economics and Monetary Economics, Publications: 15

- SHG-Bank Linkage Programme and Financial Inclusion
- Impact of MGNREGA on Migration in Ranchi district of Jharkhand
- SHG-Bank Linkage Programme and Financial Inclusion.....rest on request



B.A. Honours in Hindi

Hindi is the second most spoken language in the world, after Chinese. About 500 million people speak Hindi in India and abroad, and the total number of people who can understand the language is near about 900 million. The Constitution of India declares Hindi in the Devnagari script as the official language of the Union. At the State level, Hindi is the official language of the following States in India: Bihar, Jharkhand, Uttarakhand, Madhya Pradesh, Rajasthan, Uttar Pradesh, Chhattisgarh, Himachal Pradesh, Haryana, and Delhi.

With the immense popularity and international importance of our national language, there is also a growing vista of employment in the field of Hindi language.

In different departments of the Central and State governments (in Hindi speaking States), it is mandatory to work in Hindi language. So there are various posts like Hindi Officer, Hindi Translator, Hindi Assistant, Manager (Official language) in different departments and units of Central / State governments.

The opportunities have increased manifold with the advent of private TV and Radio channels and the launch of Hindi versions of established magazines / newspapers. In the field of Hindi media, there is a need for Editors, Reporters, Correspondents, Sub Editors, Proof Associate Professors, Radio Jockey, Anchors etc. A Degree / Diploma in Journalism / Mass Communication along with academic qualification in Hindi is an added advantage for job seekers. One can serve the mediums of Radio / TV / Cinema as a Script Writer / Dialogue Writer / Lyricist. This field necessitates a natural and artistic mastery of creative writing. But a Degree / Diploma in creative writing enhances one's style of writing.

This also includes translation of the works of eminent International writers into Hindi and also those of Hindi writers into English and other foreign languages. There are also opportunities of translation projects from foreign agencies.

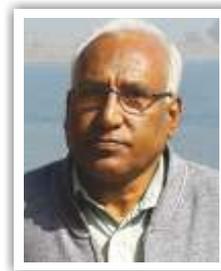


Know your Teachers

Dr. Narendra Jha
Associate Professor and Head of the Department
Experience: 32 Years
Qualification: Ph. D. on the Topic "Hindi Natak ke Vikas Me Bihar ka Yogdan"

M.A. in Hindi with Specialization in Poetry, Drams and criticism
Publications: 18

- Patrakarita
- Kuch Aur Madhya Natak Avam Sangeet Rupak
- Anuvad Ke Pradhed.....rest on request



Dr. P. K. Jha
Associate Professor
Experience: 36 years
Qualification: PH.D. on the topic "Mohan Rakesh Ke Natkon Men Shabd - Prayog"
M.A. in Hindi with specialization in Adhunik Hindi Natak



Mr. Abhishek Pandey
Guest faculty
Experience: 3 years
Qualifications: M.A. in Hindi, NET



B.A. Honours in English

Since time immemorial, literature has been looked upon as one of the best and greatest disciplines. English is one of the most sought after languages in India and abroad. This is the language that connects the East with the West and the North with the South. A Bachelors degree in English Honours is considered to be one of the prestigious and lucrative course option.

There are several other Career options available for students pursuing this course. Professional Writers, Public Relations Experts, Bi-lingual Translators, Mass Communications Specialists, Public Speakers and a whole gamut of other professions that have proficiency of English at its core. English acts as a catalyst in any chosen field of profession.

Know your Teachers



Dr. D. P. Sarkar
Associate Professor and Head of the Department
Experience: 35 Years
Qualification: Ph.D. on the Topic "A Study of Political Ideas of William Wordsworth and their Relevance to his poetry"

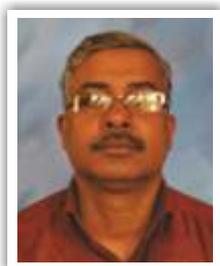
- M.A. in English Publications: 03
- Textual Politics- Journal of English
 - Pedagogic Difficulty
 - Beyond journalism

Dr. Indira Banerjee

Assistant Professor
Experience: 12 Years
Qualification: Ph.D. on the Topic "Feminist Consciousness in the works of Anita Desai, Kamala Markendya, Ashapura Devi and Maheshwari Devi"



- M.A. in English with Specialization in Linguistics
Publications: 15
- Coming of Age- The Indo English Novel in the 21st century
 - Mahasweta Devi's statue Ashapura Devi's cactus in Feminist perspective
 - The Mother in the Mahasweta Devi.....rest on request



Dr. Radhashyam Dey
Assistant Professor
Experience: 08 Years
Qualification: Ph.D. on the Topic "Social Responsibility in Arthur Miller's Major plays"
M.A. in English with Specialization in American Literature
Publications: 17

- English for Pragmatic purposes
- Contemporary Technological social and Management issue
- Indians Muslims: Yesterday, Today & Tomorrow..... rest on request

The college also provides elective options in Sanskrit and Philosophy to the students for different B.A. programmes. Details of the faculties from these two subjects are:



Dept. of Sanskrit

Know your Teachers



Dr. Dhreshwar Jha Sudheer
Assistant Professor and Head of the department
Experience: 33 years
Qualifications: Ph.D. on the topic "Mruchha Katik Yevam Malati Madhava ka Tulnatam"
M.A. in Sanskrit with specialization in Sanskrit Literature



Dept. of Philosophy

Know your Teachers



Dr. P. K. Sinha
Associate Professor and Head of the Department
Experience: 19 years
Qualifications: Ph.D. on the Topic "God in Personal Idealism"
M. A. in Philosophy with specialization in Philosophy of religion

Dr. Indu Parmar

Assistant Professor
Experience: 13 years
Qualifications: Ph.D. on the topic "Vedanta ke Mahavakyunka Samikshatamka Adhyan"
M.A. in Philosophy with specialization in Indian Philosophy





B.Com.

Honours in Accounts

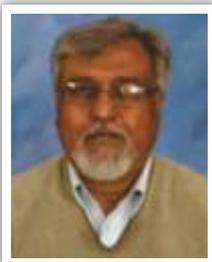
According to an updated report in Global Financial Monitor, employers are presently facing a talent scarcity of accounting and finance professionals. This signifies that job opportunities for graduates with a commerce degree are moderately promising.

A Bachelor of Commerce or B.Com degree is a three year undergraduate course and is specially designed to provide students the managerial skills in commerce associated disciplines such as accounting, finance, marketing and advertising amongst others. The degree is basically structured to offer aptitude in organizational behavior and business principles by focusing on core subjects such as law, finance, statistics, marketing, accounting, economics, cooperative as well as marketing education.

Students with a B.Com degree are well prepared to be successful in both corporate and self-employment. There are high job prospects for

holders of this degree as all companies or businesses needs a commerce specialist, manager or at the very least an accountant. Familiarity in accounting offers students with an aptitude to comprehend and scrutinize financial reports and how they usually affect a business. It also provides a good knowledge in management and cost accounting practices which are significant in decision making processes and in planning as well as evaluating the performance of a company's business activities. Human resource management is an additional option provided in this degree course. This choice prepares students with the essential skills in analyzing, identifying and searching solutions to problems associated with human resource activities. It covers essential managerial processes such as selection and recruitment of employees, promotions, employee welfare, talent hunting and application of work-related safety process in a company amongst others.

Know your Teachers



Dr. Tarun Kumar Sarkar
Assistant Professor and Head of the Department
Experience: 12 years
Qualifications: M. Com.



Mr. Ashok Kumar Dwivedi
Associate Professor
Experience: 39 years
Qualifications: M.Com.



Dr. Ram Nath Mishra
Associate Professor
Experience: 37 years
Qualifications: Ph.D. on the Topic "Evaluation of working of the Bihar State Forest Development Corporation"
M. Com., MBA



Dr. Ravindra Kumar
Assistant Professor
Experience: 28 years
Qualifications: Ph.D. on the topic "Commercial Activities in Ancient India"
M. Com.
Publications: Disruptive Innovation



Dr. Ram Prasad Gope
Assistant Professor
Experience: 31 years
Qualification: Ph.D. on the Topic "Trade Union Leadership in India - A case study of Bihar"
M. Com.



Dr. Mrinal Gaurav
Assistant Professor
Experience: 8 years
Qualifications: Ph.D. on the topic "Post Globalization Industrial Relations in Steel Companies of India: A Case Study of Tata Iron and Steel Company Limited (TISCO) and Bokaro Steel Plant Limited (BSL)"

M. Com. With specialization in Human Resource Development
MBA with specialization in Human Resource Management
PGDRM with specialization in Retail
BJMC with specialization in Print Media
Publications: 08

- NGOs and Corporate education published with IGI Global, United States
- Essentials of Drucker
- Non-performing Assets: The banking sector nightmare
.....rest on request

THREE YEAR FULL TIME PROFESSIONAL COURSES



Bachelors in Business Administration (BBA)

The three-year **BBA** degree Program is designed to give students a strong business management perspective through a unique pedagogy of learning and interaction among peers and industry interaction.

The design and delivery of this program is innovative and unique. The course structure of the **BBA** program is designed in such a manner that it acts as a strong foundation in case the student wishes to pursue higher education in any MBA Program. As a standalone course, it is sufficient even for students who directly would like to commence their career with job opportunities immediately after completing this course in finance, marketing, operations, and any other business field.

A strong emphasis is on creating the right attitude to succeed in the business environment. The industry focus will equip students with the knowledge and skills necessary to compete successfully for challenging positions in industry, government, non-profit organizations and civil services.

Know your Teachers



Mr. Dilip Jha
Faculty and Head of the Department
Experience: 08 years
Qualification: PGDBM with Specialization in Finance and Marketing
M. Com., M.A. (Economics)
Publications: Cash subsidy Transfer



Mr. Anirban Biswas
Faculty
Experience: 05 years
Qualification: PGDM with specialization in Finance and Marketing
M.Com.
Publications: Growth and opportunities in E-Commerce



Sayeed Tazim Ahmed
Faculty
Experience: 01 Year
Qualification: MBA with specialization in Finance and Marketing

Unique Initiatives proposed in 3 year BBA program to be launched soon:

1. Additional courses for better career prospects outside the curriculum that can be opted for, which are unique to YSM

- Entrepreneurship
- Media and Branding
- Market research

2. Personalized Attention: Effective counseling to each student in our undergraduate program on matters ranging from academic choices, to career paths, to student life.

3. Building additional competencies: 2nd and 3rd year to include elective courses like psychology, communication, critical reasoning, philosophy & logic to give students a sharper edge in people understanding and business environment.

4. MNC exposure: Top ranked and diligent students can experience best global practices in business management through interest creation and exchange programs with top MNC companies during the 3rd year internship.

5. Live Industry Projects -For management projects, real and current situational issues with companies will be discussed and recommendation reports will be sent. Company's feedback on the reports will be shared with students.

6. Additional optional courses

- Computer proficiency and English Aptitude.
- Personal Development
 - Confidence building courses
 - Critical Reasoning
- Employability Skills
 - Corporate Communications
 - Presentation and Negotiation Skills.



Ms. Nitu Kumari
Faculty
Experience: 01 Year
Qualification: MBA with specialization in Finance and Marketing



Ms. Soma Banerjee
Faculty
Experience: 05 years
Qualification: MA English
Publication: "Importance and necessity of Soft Skills"
M. Com.



Bachelor in Computer Application (BCA)

Fast growing information technology and communications systems have become critical components of almost every company's strategic plan. Companies that want to take advantage of the new information technologies and communication systems require expert professionals, who can apply computer science principles to solve problems produced by the interface between business and technology. BCA course is an undergraduate program where students are exposed to various areas of computer applications including the latest developments in the industry.

The advantage of doing a BCA course is that you learn programming/ how to code in different programming languages. You develop an understanding and think about projects, application development with a logical perspective. Depending on the area of interest the students can then pursue careers in coding, systems networking, data scientists and many more verticals.

The duration of the course is 3 years and divided into 6 semesters. It comprises of subjects like database, networking, data structure, core programming languages like 'C', C++, Visual Basic, Program structure and 'Java'. This course provides a lot of opportunities to the students who are interested in the computer field and want to work in the IT sector as Programmers or software developers.

We are the only college to provide two projects to our students in the 3rd year, one in Networking and the other in PHP, to enable the students to assess the suitability of the job requirements after completion of their course.

Unique Initiatives proposed in 3 year BCA program to be launched soon:

1. Additional courses for better career prospects outside the curriculum that can be opted for which are unique to YSM
 - ✓ Project Management
 - ✓ Program Management
2. Building additional competencies: 2nd and 3rd year to include elective courses like psychology, communication, critical reasoning, philosophy & logic to give students a sharper edge in people understanding and business environment.
3. MNC exposure: Top ranked and diligent students can experience best global practices in business management through interest creation and exchange programs with top MNC companies during the 3rd year internship.
4. Live Industry Projects: For B.Sc. (IT) projects real life requirements from the companies are taken and projects delivered on the basis of timeline, coding standards, UI standards as per company's expectation in live business setup in consultation with the guiding faculty.
5. Additional optional courses
 - Computer proficiency and English Aptitude.
 - Personal Development
 - Confidence building courses
 - Critical Reasoning
 - Employability Skills
 - Corporate Communications
 - Presentation and Negotiation Skills.





Bachelors in Science (Information Technology)

Fast growing information technology and communication systems have become critical components of almost every company's strategic plan. Companies which want to take advantage of the new information technologies and communication systems require expert professionals, who can apply computer science principles to solve problems produced by the interface between business and technology. B.Sc. (IT) Course is an undergraduate program where students are exposed to various areas of computer applications including the latest developments in the industry.

The advantage of doing a **B.Sc. (IT)** course is that you learn programming/how to code in different programming languages. You develop an understanding and think about projects, application development with a logical perspective. Depending on the area of interest the students can then pursue careers in coding, systems networking, data scientists and many more verticals.

The duration of the course is 3 years and divided into 6 semesters. It comprises of the subjects like database, networking, data structure, core programming languages like 'C', C++, Visual Basic, Program structure and 'Java'. This course provides a lot of opportunities to the students who

are interested in the computer field and want to work in the IT sector as programs or software developers.

Compared to BCA, BSs (IT) students do one more additional course in FoXPro.

We are the only college to provide two projects to our students in the 3rd year, one in Networking and the other in PHP, to enable the students to assess the suitability of the job requirements after completion of their course.

Unique Initiatives proposed in 3 year **B.Sc. (IT)** program to be launched soon:

1. Additional courses for better career prospects outside the curriculum that can be opted for which are unique to YSM
 - ✓ Project Management
 - ✓ Program Management
2. Building additional competencies: 2nd and 3rd year to include elective courses like psychology, communication, critical reasoning, philosophy and logic to give students a sharper edge in people understanding and business environment.
3. MNC exposure: Top ranked and diligent students can experience best global practices in business management through interest creation and exchange programs with top MNC companies during the 3rd year internship.
4. Live Industry Projects: For B.Sc. (IT) projects real life requirements from the companies are taken and projects delivered on the basis of timeline, coding standards, UI standards as per company's expectation in live business setup in consultation with the guiding faculty.

5. Additional optional courses

- Computer proficiency and English Aptitude.
- Personal Development
- Confidence building courses
- Critical Reasoning
- Employability Skills
- Corporate Communications
- Presentation and Negotiation Skills



Know your Teachers

Mrs. Jayanti Kumari

Faculty and Head of the Department

Experience: 11 years

Qualification: MCA

Publications: 01 Importance of Java based specific simulation



Ms. Saroj Kumari

Faculty

Experience: 07 years

Qualification: MCA, MA (Rural Development)

Publications: Role of Information Technology in Women empowerment



Mr. Abhishek Vishwakarma

Faculty

Experience: 06 years

Qualification: MCA, M.A. (Education) BCA, Publications: Data Based Management System in Cloud computing Environment

Know your Teachers



Mr. Goutam Sanyal

Faculty

Experience: 11 years

Qualification: M. Tech. (Computer Science), MCA, PG Diploma in Computer Application

Publication: Handwritten character recognition using hidden markov model segmenting into equivalent basic geometric primitives



Mr. Rajeev Ranjan

Faculty

Experience: 01 Year

Qualification: MCM

Eligibility for Admission

i. The candidate seeking admission in Honours course must have obtained at least 45% marks in the subject concerned at the Intermediate / equivalent examinations.

ii. The students passing Intermediate / equivalent examination in Science securing 45% shall be eligible for admission either in Arts or Commerce Honours. Like-wise students who have passed with Intermediate Arts or Commerce can opt for faculty change provided they have secured 45% in aggregate.

“The students passing I.A./10+2 examination or equivalent examinations in Arts are allowed to opt for Honours course in any subject in B.A. Arts (Humanities and Social Science) whether or not the subject was offered at 10+2 level. The minimum marks as the eligibility criterion to thus gain admission is 45% in the subject concerned”.

However, if such students opt for Honours course in one of the subjects offered in I.A./10+2 examination or equivalent examination in Arts, they must have at least 45% marks in the subject concerned.

iii. Selection for all the seats will be made open for all students on the basis of merit. These seats shall also be filled up by the students belonging to all categories. However, a relaxation of 5% in the marks will be given to female students from all categories and male students belonging to SC/ST/OBC categories.

iv. A weightage of 10% marks shall be given to the employees/wards of employees of the university (ward would mean – son/daughter/husband/wife/dependent own brother and/or sisters). This is subject to the condition that it should not exceed 10 per cent of the total seats.

v. NCC cadets holding “C” Certificate will be given weightage of 5% marks over the marks obtained at their respective examination and 3% weightage on “B” Certificate in the matter of admission.

vi. The Scouts & Guide recipient of Rashtrapati Award shall be given weightage of 5% marks on total marks obtained in the last examination.

vii. A weightage of 2% marks shall be given to trained First Class third stage of Jharkhand State institute of Scout and Guide.

viii. In addition to the above, 3% of seats may be allotted for outstanding sports person cultural activates / NSS of all categories who represented the National/ State/University at the University College / School level.

ix. 2% seats shall be reserved for widows /wards of armed forces personnel and the reservation policy shall be as stipulated in the Ministry of Defence Letter No 3547/AS(R)/94 dated 3/06/1994.

x. 3% seats shall be reserved for differently abled persons (persons with physical disability) and will be distributed as below:

a. 1% for persons with vision impairment,

b. 1% for persons with hearing impairment

c. 1% for persons with loco motor disability

xi. 3% seats, over and above the sanctioned strength, will be reserved for meritorious students participating in Youth Festival.

xii. The principal is authorized to admit the wife / son/ daughter of military personnel in active service whose family is residing in territorial jurisdiction of Ranchi University in addition to regular sanctioned number of seats.

xiii. The principal is authorized to admit physically handicapped students in addition to regular sanctioned number of seats.



Important Definitions Under the Choice-based Credit System (CBCS)

Please Note: **CBCS** system will be implemented from the current academic calendar year but a final notification on the same is yet to be received from the University (at the time of printing this prospectus). Final implementation will depend on University instructions. Please read this for your understanding if this system is implemented.

- i. **Academic Year:** Two consecutive (one odd + one even) semesters constitute one academic year.
- ii. **Academic Calendar:** An Academic Calendar will be prepared by the University to maintain uniformity in the CBCS of the UG Honours Programs, UG Programs, semesters and course in the college run under the University (Constituent/Affiliated).
- iii. **Semester:** An academic year comprising 180 working days in the least is divided into two semesters, each semester having at least 90 working days. With six working days in a week this would mean that each semester will have $90 / 6 = 15$ teaching /working weeks. Considering that each teaching day has 5 teaching /working hours, a teaching week would have $5 \times 6 = 30$ working /teaching hours and each semester will have $30 \times 15 = 450$ teaching hours available for each student.
 - a) The odd semester is scheduled from July to December and the even semester from January to June. Each week has a minimum 30 working hours spread over 6 days.
 - b) Each semester will include – Admission, course work, conduct of examination and declaration of result including semester break.
- iv. **Choice Based Credit System (CBCS):** CBCS provides a choice for students to select from the prescribed Program.
- v. **Programs:** a) An Undergraduate Program leading to the Undergraduate Honours Degree B.Sc. Honours Program/B. A. Honours Program/B.Com Honours Program b) An Undergraduate Program – B.Sc. General/B.A. General/B.Com. General degree.
- vi. Each UG Honours Program shall be designed as 140 credits, full-time undergraduate degree Program delivered in six (06) semesters.
 - viii. At the time of admission, a student will identify an Honours (140 Credits) / General Program (120 Credits) in which he/she shall concentrate. Apart from the Hons/ Core Course he/she will have to select one generic elective subject (04 courses). He/she will also have to select DSE, AECC and SEC from the provided pool of choices.
 - viii. At the time of admission, a student will identify an Honours (140 Credits) / General Program (120 Credits) in which he/she shall concentrate. Apart from the Hons/ Core Course he/she will have to select one generic elective subject (04 courses). He/she will also have to select DSE, AECC and SEC from the provided pool of choices.
 - ix. Each Program shall be structured with a common compulsory subject/s Hindi (MIL) /English/ Environmental Studies



SEMESTER SYSTEM

An academic year comprising of 180 working days, at the least, is divided into two semesters, each semester having at least 90 working days. With six working days in a week this would mean that each semester will have $90 / 6 = 15$ teaching /working weeks. Considering that each teaching day has 5 teaching /working hours, a teaching week would have $5 \times 6 = 30$ working /teaching hours and each semester will have $30 \times 15 = 450$ teaching hours available for each student.

- The odd semester is scheduled from July to December and the even semester from January to June. Each week has a minimum 30 working hours spread over 6 days.
- Each semester will include – Admission, Course work, Conduct of examination and declaration of result including semester break.

PROGRAMMES

- An undergraduate programme leading to the Undergraduate Honours Degree B. Sc. Honours Programme/B. A. Honours programme/B.Com Honours Programme
- An Undergraduate Programme – B.Sc. General /B.A. General/B.Com. General degree.

COURSES

A course is a structured set of instructions, imparted to a student on the basis of a syllabus or a framework decided beforehand. Each course is designed variously under instructions given as Lectures, Tutorials, and Practical (laboratory and field exercises). Usually these components are referred to as L, T, and P components. The credits for each course determine the volume of the course content.

Courses of a programme:

Ability Enhancement Course (AEC) /Foundation Courses (FC): Foundation courses are the courses based upon the content that leads to knowledge enhancement and man-making education.

Core Courses (CC): These courses are to be compulsorily be studied by a student as a core requirement of a Honours programme in a said discipline of the study. It comprises of two courses:

Honours Course (HC): these courses belong to a subject in which student receives degree of Honours.

Discipline Specific Elective Core Subjects (DSES): these courses belong to Honours specific elective subjects opted by a student from allowed subject combination along with the Honours Course Subject during 5th and 6th Semester.

Generic Elective Subject (GES): these courses may be select from the pool of subjects which will be supportive to the student in a discipline of study.

Skill Enhancement Course (SEC): will enable exposure to some other discipline/domain, and will nurture student's proficiency/skill.

Allowed Course Combinations: The Board of Studies (BOS) may revise subject combination from time to time.

- Each UG Honours Programme is designed as 140 credits, full-time undergraduate degree programme delivered in six (06) semesters.
- Each UG General Programme shall be designed as 120 credits, full-time undergraduate degree programme delivered in six (06) semesters.
- At the time of admission, a student will identify an Honours (140 Credits) / General programme (120 Credits) in which he/she shall concentrate. Apart from the Hons/ Core Course he/she will have to select one generic elective subject (04 courses). He/she will also have to select DSE, AECC and SEC from the provided pool of choices.
- Each programme shall be structured with a common compulsory subject/s Hindi (MIL) /English/ Environmental Studies.

CREDIT SYSTEM

Credit refers to the weightage given to a course, usually in terms of the number of instructional hours per week assigned to it. This explains why usually 'credit' is taken to mean 'credit hours'. The credits also determine the volume of course contents and delivery of Program such as lectures, tutorials, practical, assignments etc.

It also measures the volume of the content to be delivered in the course being studied CBCS for Undergraduate Courses. Credits of a course also indicates the weightage of a course for calculating Grade Point Average (GPA) Though credits are not directly related to marks, but we may consider One Credit point = 25 marks.

For the purpose of credit determination, instruction is divided into three components:

Lectures (L) – Classroom lectures of one-hour duration.

Tutorials (T) – Special, elaborate instructions on specific topics (from Lectures) of one-hour duration.

Practical (P) – Laboratory or field exercises in which the student has to do experiments or other practical work of two-hour duration.

Each one of these components is considered as equal to one credit hour. One lecture (L) as well as one Tutorial (T) of one hour a week is considered as one credit, whereas one Practical (P) of two hours a week is considered as one credit. The total weightage given to a course in terms of credits will be equal to $L + P/T$, where L is the number of one hour Lectures per week, T is the number of one hour Tutorials per week, and P is the number of two hours Practicals per week. This can be written in symbols as: $C = L + P/T$, where C is the credit weightage for a particular course.

The total minimum credits required for an undergraduate degree Program is one hundred and forty (140) or one hundred twenty (120).

All courses need not carry the same weight. The course should define learning objectives and learning outcomes. A Course is designed to comprise lecture/tutorials/laboratory work/field work/ project work/ viva/ seminars/ assignments/presentations etc. or a combination of some of these.

Credit: A unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit shall mean one hour of teaching (lecture or tutorial) or two hours of laboratory/practical work per week in a semester of 15 weeks.

Credit Hour : One Hour of Lecture/Tutorial or Two Hours of Practical

One Credit (Lecture/Tutorial) = 14 hours

One Credit (Practical) = 28 hours

CHOOSING PROGRAM STUDY COURSES

B.Sc./B.A./B.Com. Hons. and General Programme:

- At the time of admission each student will identify an Honours (Main/ Major) subject in which he / she will concentrate and One Elective (Allied/ Minor) subjects, which he / she would choose to study.
- Honours would be the Program in which the student will have to take core courses (hard and soft core and / or elective)
- Honours once selected would not be changed unless the student quits a Program and joins a new Program.
- Elective on the other hand, would be the subjects that would be chosen by the student out of a number of subject combinations (at least two subjects in each subject combination) suggested and approved by the UG BOS of Ranchi University.
- In these subjects the student will be required to accumulate a certain minimum number of credits (as defined in case of Honours Program & General Program) in order to qualify for the UG degree.
- The CBCS Program and course details and combination of choices for B.Sc./B.A./B.Com. Hons. Program is as follows:

B.A. Hons. Programme

Honours Subject	Discipline Specific Elective Core Subjects (DSES)	Generic Elective Subject (GES)
Language (Hindi/English)	Language (Hindi/English) Specific	Political Science / Economics/Philosophy/ History
History	History Specific	Political Science / Economics/ Philosophy/ Computer Application/Any Language Subject
Political Science	Political Science Specific	History/ Economics/ Philosophy/ Computer Application/ Any Language Subject
Economics	Economics Specific	Political Science/Philosophy/ Computer Application/ Mathematics /Statistics/Any Language Subject
Mathematics	Mathematics Specific	Computer Application/History/ Political Science/Economics/ Any Language Subject

B. Com. Hons. Programme

Semester I		
1.1	Business Communication/English Communication/MIL Communication (Hindi/ Sanskrit/ Urdu / Bengali/ TRL (All nine languages enlisted and taught in Ranchi University.	Foundation Course - Compulsory
1.2	Financial Accounting	Core Discipline
1.3	Business Law	Core Discipline
1.4	Micro Economic	Elective Course- Inter-Disciplinary
Semester II		
2.1	Environmental Science	Foundation Course - Compulsory
2.2	Management Principals and Applications	Core Discipline
2.3	Corporate Laws	Core Discipline
2.4	Business Statistics	Elective Course- Inter-Disciplinary
Semester III		
3.1	Business Mathematics	Core Discipline
3.2	Income -tax Law and Practice	Core Discipline
3.3	Human Resource Management	Core Discipline
3.4	Macro Economics	Elective Course- Inter-Disciplinary
3.5	E-Commerce	Foundation Course - Skill - Based

Semester IV		
4.1	Indirect Tax	Core Discipline
4.2	Corporate Accounting	Core Discipline
4.3	Computer Applications in Business	Core Discipline
4.4	Indian Economy - Performance and Policies	Elective Course- Inter-Disciplinary
4.5	Entrepreneurship	Foundation Course - Skill - Based
Semester V		
5.1	Cost and Management Accounting	Core Discipline
5.2	Principles of Marketing	Core Discipline
5.3	International Business DSE 1	Elective Core - Discipline
5.4	Elective (Any one of the following) DSE 2 a. Financial Markets, Institutions and Financial Services b. Corporate Tax Planning c. Advertising d. Organizational Behavior	Elective Core - Discipline
Semester VI		
6.1	Auditing and Corporate Governance	Core Discipline
6.2	Financial Management	Core Discipline
6.3	Business Research Methods and Project Work DSE 3	Elective Core - Discipline
6.5	Elective (Any one of the following) DSE 4 a. Fundamentals of Investment b. Consumer Affairs and Customer Care c. Business Tax Procedures and Management d. Indian Polity and Governance	Elective Core - Discipline



Subject Combinations for B. Sc. Hons. Programme

Honours Subject	Discipline Specific Elective Core Subjects (DSES)	Generic Elective Subject (GES)
Physics	Physics Specific	Mathematics/Chemistry/Geology/Computer Application / Computer Science
Chemistry	Chemistry Specific	Mathematics/ Physics /Statistics/ Geology/ Computer Application/ Computer Science
	Chemistry Specific	Botany/Biochemistry Zoology/Geology/ Biotechnology/ Computer Application/Computer Science
Mathematics	Mathematics Specific	Physics/Chemistry/Statistics/Electronics/ Computer Application/ Computer Science
Zoology	Zoology Specific	Chemistry/Botany/Biochemistry/Geology/ Computer Application
Botany	Botany Specific	Chemistry/Zoology/Biochemistry/Geology/ Computer Application



General Instructions

1. A student may apply for more than one Honours Program at a time but will be eligible for admission in only one Program depending on his/her eligibility and choice.
2. A written test will be conducted for students applying for BBA, BCA and B.Sc. IT.
3. Admission to the other programs (B.A., B.Sc. and B.Com.) will be given on the basis of cut off declared by the college.
4. Selected students may have to appear with their parent/guardian at the time of admission, if called.
5. The students need to submit the following documents at the time of admission:
 - a) Two Copies of Mark sheet of the qualifying exam
 - b) Two Copies of the Admit card of the qualifying exam
 - c) Original School Leaving Certificate
 - d) Original Migration Certificate (for students from other than JAC board)
 - e) One recent Passport size Colour Photograph
 - f) Copy of Caste Certificate
 - g) Copy of Income Certificate
6. Selected students will have to produce all original documents for verification at the time of admission.
7. Faculty/Honours change will not be allowed after admission.
8. The students mandatorily need to maintain minimum 75% attendance throughout the academic session for filling up the examination form.
9. In case of absence from the class for 6 consecutive days without prior information/application, the name of the student will be struck off from the attendance register. Such students will have to meet their Head of the Department (HoD) with their parent/guardian for rejoining the class.
10. No student is allowed to use mobile phones on the campus except for any academic purpose. Students caught using mobile phones for any non-academic purpose will be fined by the college authorities. In case of any repetition of such incident, the student's phone will be ceased for 15 days.
11. The student will ensure his/her abidance by the rules and regulations of the college.
12. Any student found indulging in any activity demeaning the values of the college will be liable for expulsion from the college.
13. The College has a zero tolerance policy against ragging. Any student found involved in ragging will be liable for expulsion and strict legal action.
14. The college has a zero tolerance policy against any form of discrimination. Any student found to be involved in discriminatory practices will be liable for expulsion/strict disciplinary action, as the case may be.
15. Students found using any tobacco products are liable to be fined heavily on the spot. The college campus is strictly a Tobacco Free zone.





*Yogoda Satsanga
Mahavidyalaya*





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Estd. 1967
(Under the auspices of Yogoda Satsanga Society of India)
Jagannathpur, Ranchi, Jharkhand.

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