



NILAI

GROUP OF INSTITUTIONS

(Approved by AICTE New Delhi, Ministry of HRD, Govt. of India)
(Govt. of Jharkhand, Affiliated to Ranchi University)

COURSES OFFERED

B.TECH | MBA | POLYTECHNIC

M.TECH* | B.Ed.* | B.Arch.*



INFORMATION BROCHURE

10 REASONS TO CHOOSE THE NILAI COLLEGE

1
ACADEMIC COUNSELING AVAILABLE FOR ALL STUDENTS



2
HIGHLY QUALIFIED TEACHING STAFF



3
FREE ENGLISH SUPPORT FOR STUDENTS THROUGH THEIR STUDIES



4
EXCURSIONS REGULARLY ORGANIZED



5
VALUE FOR MONEY - THE MOST AFFORDABLE

6
ORIENTATION PROGRAM GIVES FULL INFORMATION TO ALL NEW STUDENTS



7
STUDENT'S SUPPORT IS AVAILABLE



8
QUALITY LEARNING FACILITIES

9
QUALITY GUARANTEED



10
FREE E-MAIL USE FOR ALL STUDENTS



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Vision & Mission

Vision

To develop NILAI as World Class Education Centre and to impart Knowledge to our Students in an ambience of Humanity, Wisdom, Intellect, Knowledge, Creativity & Innovation, in order to nurture them to become Culturally and Ethically rich Professionals with bright future.

Mission

To harness the knowledge of engineering science & business management for the welfare of the society. To create excellent learning ambience through innovation in teaching, research and consultancy for producing professionals capable of answering global challenges and demonstrating high ethical and moral standards. To develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions.

Here we are

India

Republic of India – The world's largest democracy,
English Speaking, Multi-Cultural and Friendly Country

The Republic of India based in South Asia is the seventh largest by geographical area, the second-most populous country and the most populous democracy in the world. Home to the old Indus valley civilization, historic trade routes and vast empires, the Indian subcontinent is distinguished due to its commercial and cultural wealth for much of its long history. Five of the world's major religions : Hinduism, Islam, Buddhism, Jainism and Sikhism originated here.

Further, Indian scientists and philosophers have made some major contributions for the progress of humanity from the invention of the digit 'Zero' and the quadratic equation : to the creation of Yoga and Ayurveda.

Jharkhand

Jharkhand is located in the eastern part of India, bordering the states of Bihar, West Bengal, Orissa, and Chattisgarh. Tropic of Cancer passes through Kanke, few kilometers away from Ranchi, the capital of Jharkhand, making it the only state in India touched by Tropic of Cancer. Jharkhand share its history with Bihar and was part of the great empires of Nandas, Mauryas, Sungas and Guptas. In the 13th century,

Ranchi, the capital city of the state has its old world colonial charm even now. On the outskirts of Ranchi lies the famous Tagore Hill, named after Rabindranath Tagore who is believed to have written a part of his famous Gitanjali here, besides other poems. The principal rivers are the Damodar, the Suvarnarekha, the Barakar and the Koel. The literacy rate of Jharkhand is 64.13% according to census in 2012. Jharkhand has a network of government and privately run schools, although standards of teaching vary considerably from place to place, as also from school to school. Rice is the most important part of any meal in the Jharkhand while pulses and vegetables add immense value to it. The most ancient among them are the Mundas, while the Santhals were the last of the tribes to settle in Jharkhand. Tribes are Hos, Oraon, Karias, Birhors, Sauria, Paharias, Mal Paharias, Birjias, Asurs, Bhumijis, etc. The tribal society of Jharkhand has rich tradition of arts and crafts that is quite visible in the rock paintings of this region that dates back to more than 5000 years.

THE NAME JHARKHAND means the LAND OF MINES & FORESTS

Jharkhand

Industrial Set Up of Jharkhand:

Tata Steel, Tata Motors, Heavy Engineering Corporation and Bokaro Steel Plant are the biggest industrial assets of Jharkhand. Public sector units established in Jharkhand include - Metallurgical and Engineering consultants India Ltd. (MECON), Hindustan Zinc Limited, National Mineral Development Corporation (NMDC), Pyrex Phosphate and Chemical Limited and Indian Aluminium Company Limited. There are a number of medium and small-scale units in the state, manufacturing a variety of products. Besides, a number of business giants like Rungtas, Birlas, Bajaj and Poddars are associated with the State. Many foreign and national industry leaders like Posco, JSW and Arcelor Mittal are interested in associating with the state.



- Largest fertilizer factory of its time in India (since shut down) at Sindri, Dhanbad
- First Iron & steel factory at Jamshedpur
- Largest Steel plant in Asia, Bokaro steel plant, Bokaro
- Biggest explosives factory at Gomia, Bokaro.
- First methane gas well at Parbatpur, Bokaro



Ranchi Lake:

A British agent, Colonel Onseley in the year 1842, excavated the centrally located Ranchi Lake. The beautiful lake is situated at the base of the Ranchi Hill. With an ethereal charm exclusively of its own, the lake stands pretty though it does not conform to its original conception. The lake is situated almost in the middle of the town, with a temple dedicated to Lord Shiva atop the Ranchi Hill. The hill also offers a kaleidoscopic view of the entire town and the surrounding areas.

Ranchi Hill: Ranchi Hill is one of the favourite tourist attractions of Ranchi. At the summit of the Ranchi Hill there is a temple devoted to Lord Shiva. People from different corners of the country gather at the temple to offer their homage to the deity. During the festival of Shraavan Mela, the place

Ranchi : The City of Lakes

Jharkhand is a state in eastern India. It was carved out of the southern part of Bihar on 15 November 2000. Jharkhand shares its border with the states of Bihar to the north, Uttar Pradesh and Chhattisgarh to the west, Orissa to the south, and West Bengal to the east. It has an area of 79,714 sq km 49,821 sq mi (129,040 km). The industrial city of Ranchi is its capital and Dumka is sub capital while Jamshedpur is the largest and the biggest industrial city of the state.

Jharkhand has a concentration of some of the country's highly industrialized cities such as Jamshedpur, Ranchi, Bokaro Steel City and Dhanbad. It also has several firsts in India, including:

is flooded with Hindu devotees. The hill of Ranchi attracts visitors from different parts of the country to have a panoramic view of the place. At the base of the Ranchi hill there is a lake, which is known as the Ranchi Lake. This lake has enhanced the beauty of the place.

Jagannathpur Temple & Hill: Located 10km. south west of Ranchi is the 17th century Jagannath Temple on a hillock at Jagannathpur. Thakur Ani Nath Shahdeo, of Barkagarh Jagannathpur principality, built the temple in 1691. Its architectural styles resemble the Jagannath temple of Puri. Rath yatra or Car festival similar to that of Puri is held every year in the months of June/July. It attracts thousands of devotees both tribal and non-tribal.

Message from the Chairman



For knowledge, for Humanity . . .

NILAI is one of the Jharkhand's largest tertiary institutions, here's what gives NILAI the edge – combining state of the art facilities with up to the minute training, the programme you choose will be designed to ensure you move seamlessly from study to work place. With internships, work experience and practical hands on training from expert tutors, we'll help prepare you for the real world.

Thank you for considering NILAI college as your study destination in Ranchi. As a history of involvement with students we are pleased to assist you as you plan your career. At NILAI we place a great deal of emphasis on personal growth and development as well as on academic achievement and excellence. Staff are dedicated to ensure that your personal needs are catered for providing a wide range of programmes of internationally recognized quality.

Knowledge and the development of new knowledge holds the key to prosperity, to economic and environmental sustainability of nations and regions around the world. NILAI is committed to offer a first class supportive learning environment, as we know our graduates will succeed in playing an important role in the future.

Best wishes for your decision making. We look forward to meet you some time during your study programme.

Thank you

Ex. Army Bhim Munda
Chairman of NILAI GROUP OF INSTITUTIONS

Message from the Vice-Chairman



NILAI Group has a reputation for being a quality institution. The institute has always believed in value addition and all tools are employed as a means to that end. The institute recognizes its responsibility to provide students with appropriate training ground in all its thrust areas. It also cares to groom every individual in terms of personality development; thus enabling students to walk the path of success. Set amidst acres of greenery, the college utilizes all its natural and human resources to their optimum for the benefit of the students. This sincere effort has been paid off in forms of consistently high university results. The institute has been witness to the rapid change occurring globally and is aware of its local implications.

Sanjay Kumar - a young, dynamic leader who has been the driving force behind the NILAI Group of Institutions. An indelible aim of this institution is to sustain quality in terms of competency, dedicated faculty, excellent infrastructure, laboratories, library and other facilities. Prominently, the institutions stay abreast with the changing technological developments across the world and promptly improvise their efforts and teaching methods to respond to the change.

The quantum leaps in engineering and technology demands more of our dedications and devoted pursuit in all branches of Engineering so that our efforts are fruitful. Needles to say, what was impossible in the past has become a fact in the present and let us hope we will achieve more in the future with confidence and joy.

My heartfelt best wishes are with the college in all its ventures.

Thank you

Sanjay Kumar
Vice-Chairman of NILAI GROUP OF INSTITUTIONS

Message from the Secretary



The location in picturesque Jharkhand has been carefully selected near a young yet strong manufacturing base not so far from our nation's capital. This contrast of beauty and cutting edge industrial infrastructure within kilometers of the campus provides a unique learning environment. This fledgling NILAI is guided by a committed board of governors consisting of eminent business leaders from the private and public sector, educationists and senior government officials. The Institute enjoys mentorship of NILAI.

Those individuals who want to be business leaders in the world of tomorrow need to acquire a different set of knowledge, attitude and skills. The unique mission of the institute is to nurture and train managers and leaders with a social conscience and an ability to deliver performance and attain excellence across cultures, functions and geographics. The curriculum at NILAI reflects this diversified educational approach, as does the intellectual capital of its faculty that is dedicated to fulfilling the above mission.

Entrants to NILAI reflect the best of our youth and cultural diversity of this nation.

We welcome you to become our partners in sharing our dream, vision and our journey!

Manish Kumar
Secretary of NILAI GROUP OF INSTITUTIONS

Message from the Director Engineering



Education is an empowerment. Being self-sufficient with sound knowledge propel human beings to emerge as victors in multitude aspects of life. Keeping in mind the fast changing of socio-economic environment in recent times, it has become imperative for the educational sector to provide the professional platform to the scientists, engineers and others by enriching different skills to vast human resources. By 2020 professional expertise will be needed five times more what we have today. Keeping pace with these developments, NILAI is in leading role. We at NILAI firmly believe that in the present day, producing qualified engineers is not just enough. The students must be endowed with additional skills to meet the ever changing needs of the industries. Campus of NILAI is an integrated place where knowledge fulfils the desire for distinction in serving the changing goals of the industries.

The heart of NILAI is its teaching faculty. We have well qualified faculty members with remarkable heights. Teaching is all about dedication, sacrifice, love and affection towards students and integrity towards institute. Rapid advancements in technology and globalization have brought about dramatic changes in Indian business environment. Highly competitive market is putting tremendous pressure on companies. NILAI is also committed to the holistic development of students by adequate emphasis on co-curricular activities. We strive to cultivate cherished values amongst the students by inculcating team spirit, scientific temper and passion for creativity and knowledge.

Last but not least, our aim is to actively assist industries in attracting and identifying the individuals best suited to their needs and in developing a win-win relationship between organizations, students and the institute. In the coming years, all our energies will be focused on making it a top-notch engineering & management institute.

Dr. (Prof.) Madan Jha
Director (Engineering)

Message from the Director Administration



TECHNOCRATS are the real strength of a country and technical competence is the soul of a technocrat. Technical institutions are large in number but a recent survey revealed that hardly 12% pass-outs are employable. This is a clear message that majority of the pass-outs are not acceptable to the technical world of work.

Our institute is duly approved by AICTE Govt. of India. Our Diploma Engineering Courses are fully recognized by all the departments of all State Governments including Govt. of Jharkhand and Govt. of India for employment purposes.

Technical Institutions are not supposed to be merely the places of providing admissions & holding examination only. It has to be a centre of carrying out thorough processing to the level that the product is qualitatively acceptable.

We at "NILAI" are working hard to contribute our might in the nation building. We have established a huge campus spread over 25+ acres of land having well lighted and ventilated class rooms along with state of the art computer centre, library, workshop and labs. Above all, the real strength of an educational institution lies in the capability of its faculty. I have no hesitation to claim that no polytechnic in Jharkhand may have as much qualified faculty as we do. I can assure all the admission seekers to our institute that they will have an edge over the students of other polytechnics and will get value of their money and time. I am associated with the diploma level education for the last 45 years. My vast experience and personal potential is being used for shaping the destiny of this institute as one of the best institutions in the state.

Prof. Mahendra Jha
Director (Administration)

world in a Campus

The NILAI campus is spread over 25+ acres of land at Thakurgaon, Ranchi. Environment-friendly campus is home to several architecturally striking buildings where every need of both students and faculty is met. Tree-lined avenues and lush lawns dotted with beautiful flowering shrubs are soothing the eyes and create an ideal learning ambience.



Nilai Educational Trust's Group of Institutions is a place committed to helping you build your future. We do this by helping you lay down a solid foundation on which you can build your success.



About NILAI Group of Institutions

The impact of the rapid pace of transformation in industry and business has triggered a change in executive mindsets. This has made it imperative for graduates, aspiring business persons and professionals to equip themselves with the latest know-how and best practices. Versatile management training is indispensable as it provides the requisite skill sets to the corporate world and successfully provides career opportunities. In order to meet the growing demands for Civil Engineering, Mechanical Engineering, Electronics & Communication Engineering, Computer Science & Engineering, Electrical & Electronic Engineering, Polytechnic (Diploma) and MBA courses and with the help of handsome donation from the NET, NILAI was established in 2010. The institute commenced its activities with starting of Masters Degree Programme & undergraduate programmes.

Why the word "Infrastructure"? The Oxford Advanced Learners Dictionary defines "Infrastructure" as the basic structures and facilities necessary to function efficiently. Our dedication has helped many students lay down "the structures and facilities necessary" to become respected practitioners in their various fields. We ensure that each student is thoroughly equipped and empowered to meet future challenges by preparing them holistically today. The education that NILAI provides, will always balance you and you will find your mind changed, your practical skills honed and your social interaction skills enhanced.





Smart Classrooms

Lecturers are meant to infuse and develop in the students the analytical, conceptual, presentation, communication and application oriented skills. The class rooms and lecture halls are well furnished with advanced teaching aids like multimedia projectors and other technical equipments which make teaching more occupying and interactive. The simulated teaching software helps the students to understand the process in highly visualized way.

Classrooms are well lit, airy and equipped with remote controlled LCD multi-media projectors, Public Address System, collar & cordless microphones and computers and RFID system with identity cards. We have also introduced the Biometric attendance system all over the campus.

Auditorium

NILAI Group of Institutions takes pride in exhibiting a state-of-art auditorium, located at the heart of the campus. It has been constructed keeping in mind the smallest of details and is well equipped with the latest technology. It portrays a perfect example of modern Architecture and is certainly one of its kind in the entire of India. As a result of the world-class infrastructure NILAI Group of Institutions over the years has been ranked among the 'Top engineering college in Jharkhand'. Auditorium is a multi-use concert hall with wonderful acoustics and a warm and welcoming ambience. It is a perfect venue for non-academic and academic events such as musical, dance and theatre performances, as well as lectures, conferences, videos respectively. The Auditorium has a seating capacity of 550 people and is centrally air-conditioned. It contains state-of-the-art lighting and a full range of audiovisual equipment. It houses a Dolby surround sound system and has a very powerful and specially imported projector for multiple uses ranging from showing slides to watching motivational videos and high resolution movies.



Library

We have a well stocked library with an extensive collection of latest books by Indian and International authors on varied engineering and management subjects. The library also has the subscription of multiple national / International magazines and journals as well as subscription to Digital Libraries. An LCD TV for news viewing and stock market updates is installed in the library.

NILAI has a 2 storied 10000 sq. ft. central library and 3 other libraries dedicated to various disciplines to provide to the students, faculty and staff an opportunity to explore a world of knowledge in a conducive atmosphere.

- The libraries are housed with a rich collection of text and reference books, journals, magazines, audio/video, CD-ROMs, research reports, online journals and databases and data analysis software etc. in all areas of study in all disciplines.
- Use of RFID system and LIBSYS software in the libraries, which has made book issuing and return a completely automatic process.
- WEB OPEC catalog (online catalog) software which enables the library users to know the availability and request or reservation books and other reference material available in the libraries from the comfort of their hostels and houses.



Computer Labs

Institute has state of the art computer labs with high speed, leased line internet connectivity with power-full servers for students, administration and management. Computer labs are provided with UPS power back -up.

Other facilities include Linux mail server, Antivirus software and fire wall protection. Each student is provided with personal user ID and password with adequate storage space on students server.

Wi-Fi Campus

Entire campus has 24x7 wi-fi internet connectivity. Students are encouraged to maximize their learning and computer skills by constant use of their computers / laptops for research, making notes, submissions and presentations.

Health and Medical Care

NILAI has an in-house Health Centre exclusive to its staff and students. The centre arranges lectures and seminars on health, life style, yoga and meditation. Institute has dedicated ambulance / van for emergency cases within the campus. NILAI has tie up with many specialty Hospitals for staff and students at highly concessional rates. Cost of the treatment is to be borne by the individuals.



Sports

Institute has indoor facilities like Carrom, Table Tennis, Chess etc. The sports committee encourages the students to get energetic and invites them to join the fun. It is the responsibility of this committee to encourage sports through a competitive spirit on and off the campus through outdoor training and picnics which are organized frequently.

Transport

NILAI has dedicated fleet of buses moving to and fro to the campus from different area in and around Ranchi. Vehicle parking facility is also available at designated places in the institute and may be availed by day scholars and hostellers.



Gymnasium

Institute has a state of the art gym with modern workout machines to encourage students to maintain good health. There are separate time slots for gents and ladies to use the facility.

Banks & ATMs

NILAI campus has fully-functional branch of bank, namely UCO Bank rendering commodious banking services.

Mobile ATM vans run across the campus throughout the day. ATMs are available in most of the hostels. A total of 5+ ATMs are available for the students.

Uninterrupted Power Supply

Load shedding and power failure has become a way of life. To overcome this problem, Institute has dedicated HT power supply, generator backup and 10 KVA UPS specially for the computer labs.



Cafeteria

Campus has multi cuisine cafeteria with a juice bar. Food is available on monthly basis. Our cafeteria offers a complete range of services, including breakfast, lunch and dinner. Our canteen / snack services are full fledged with FMCG products, confectionery items, assorted drinks, tea/coffee, fast food, fried snacks, mini meals etc.

It is compulsory for students to avail cafeteria facilities during classes as students shall not be permitted to leave campus during breakfast and lunch breaks on working days.

Safety & Security

The institute has a firm belief that security and safety of the inmates is also integral part of its service in the educational sector.

To maintain a safe and congenial environment in the campus, various measures are taken, a few of which are mentioned below :

- Availability of dedicated team of security officers and personnel.
- About 1000 CCTVs are installed at various prominent places in the campus for 24 hours surveillance.



Hostel

Hostel Accommodation

NILAI has fully furnished accommodation for 250 girls students within the campus that is allotted on first come first serve basis. Currently 400 students are availing hostel accommodation arranged by NILAI. Furnished accommodation is available on cot sharing basis (2-4 per room) at the rate of Rs 2000/- per month in the Institute campus and city also. Hostel accommodation for the first year students is compulsory except local students staying with their parents.



Special features of Hostel

- Well ventilated rooms emote a pleasant feeling that enhance the mood for learning.
- Wi-Fi hostel with PC connection enables students to complete their tasks in time.
- Hostels are managed by resident male and female wardens respectively.
- 24 hours security is provided for each hostel block.
- Solar water heating system.
- Electrical backup with a dedicated inverter.
- Reverse osmosis water purification system / Aqua guard for drinking water.
- Fixed timing and strict discipline for residents.
- Mini infirmary with provisions of 24 hours van service for students to be taken to hospital for medical emergencies.
- Ragging Free environment.

Academic Programme

B.Tech & Polytechnic

Admission Procedure

Candidates are advised to follow the rules for admission to First Year Engineering degree courses as published by the Directorate of Technical Education, Jharkhand State from time to time. However some of the basic guidelines are given below. All the candidates are advised to submit their applications to the Admission Authorities notified by the Government of Jharkhand on or before the last date of application, unless specified differently elsewhere in this brochure.

Entry requirement for the First Year of Engineering / B.Tech.

Passed the HSC (Std. XII) examination of Jharkhand State Board of Secondary and Higher Secondary Education or its equivalent examination with subjects English, Physics, Chemistry and Mathematics and secured minimum 50% marks i.e. not less than 150 marks out of 300 marks (45% marks i.e. not less than 135 marks out of 300 marks for backward class category candidates from Jharkhand) in the Subjects Physics, Chemistry and Mathematics added together.

Eligibility Criteria

For the candidate of Jharkhand State

In addition to Educational Qualification as specified in the Para "Entry Requirement", candidates are required to appear for JCECE Board and secure nonzero score to be eligible for admission for State Quota (65%) seats through Central Assessment Process (CAP).

For the candidates of Outside Jharkhand State

In addition to Educational Qualification as specified in the para "Entry Requirement", candidates from Jharkhand State as well as outside Jharkhand State are required to appear & qualify in All Indian Engineering Entrance Examination (AIEEE) conducted by C.B.S.E., New Delhi for the Academic Year to be eligible for admission.

For the candidates wishing admission under Management Quota

Candidates from Jharkhand State as well as from outside Jharkhand State having Educational Qualification as specified in the Para "Entry Requirement" are eligible for Management Quota seats provided they have appeared for JCECE conducted by the competent Authority or conducted by agency (if any) including Association of all Pvt. colleges. However, they are required to apply separately to the Management of the respective institutes for these seats.



Polytechnic

The Diploma holders can be absorbed as trainees in reputed public sectors and private sectors companies. After completion of the training, they will be placed as maintenance / production engineers. They can acquire additional qualification and thus reach higher levels in the company. They are also trained to start their own business.

Admission Rules & Eligibility:

For admission in diploma course the candidate must have passed SSC (10th) examination of any state board of secondary education, INDIA or any other equivalent examination with & in General Science or Physics, Chemistry, Elementary Mathematics and English with at least 35% marks.

Mechanical Engineering Department

Our Mechanical Engineering branch is one of the best equipped with the most modern machines and equipments in the region. Our workshop ensures practical machining on sophisticated metal cutting machines along with welding shop, carpentry shop, fitting shop, sheet metal shop, foundry and forging shops. Students go for practical experiments in laboratories like, basics of Mechanical Engineering, Strength of Material, CAD, Fluid Mechanics, Fluid Machines, IC engine, Heat & Mass transfer, RAC, Automobile engineering & fury of machine etc.

Electronics & Communication Engineering Department

The department of Electronics & Communication Engineering at NILAI is one of the most advanced in the region in terms of technology incorporation toward academic advancement. Fully equipped laboratories with modern equipment make the department unique. The communication system labs is fully equipped to aid the students in doing experiments on phase lock loops, PCM generation and different modulation techniques. The digital electronics lab lays emphasis on the fundamentals of digital electronics design aspects of sequential and combinational circuits etc. The basic electronics/analog electronic lab is functioning under the department to enable the students to get a clear picture about the basic elements of electronics like clipping, clamping etc. Advance labs such as analog electronics circuit, microprocessor, PCB Design, data communication, satellite communication and microwave are there to impart knowledge about advanced concepts.

Computer Science & Engineering Department

The department is vibrant to meet the demands of computers & IT trainers globally. It has excellent infrastructure and facilities for the students. It is the endeavor of the management to periodically migrate to the latest software (Window-x, CAD etc.) and hardware to keep pace with ever changing needs of industries, so that our students come out with knowledge of latest technology in both software and hardware. The computer centre is well equipped with latest computers based on core2 duo with 400 branded LCD screens. The necessary licensed software and internet facilities are available for all students round the clock.



Engineering Departments



Electrical Engineering Department

The department of electrical engineering of our institute has been playing a vital role in producing technologists of highest caliber to cater to the ever challenging needs of technical excellence in all areas of electrical engineering such as electrical machine, computer technology, control & automation, power systems & power electronics. The infrastructure and lab facilities are upgraded from time to time and provide adequate opportunities for students and researchers to learn and innovate.

Civil Engineering Department

Being the oldest engineering discipline in vogue, Civil Engineering is the father of all engineering disciplines. With such a distinguished history behind it and centuries of accumulated knowledge and skills, it becomes a delicate and often onerous task while framing the course curriculum to do justice to the reservoir of knowledge inherited from the past, while at the same time reconciling it to the dramatic changes brought about by the digital revolution. While framing a dynamic and all-inclusive course curriculum, emphasis has been laid on including the basic aspects of all facets of the discipline, namely, construction materials, structural analysis, structural design in steel and concrete, water resources engineering, transportation engineering, environmental engineering, surveying and geotechnical engineering. At the same time, in recognition of the importance of computer applications, courses like structural analysis in particular, have been framed in such a manner as to encourage the students to exploit the potential of computers for solving engineering problems. A strong curriculum is only one important component of the tripod of the department's competitiveness. The second component is the competent, well-qualified and dedicated faculties and supporting staff.

Management Programme MBA

Admission Procedure

Candidates must have appeared in CMAT/CAT/JMAT/XAT

In addition, candidates should have secured Verbal Percentile Scores and Total Percentile Scores which conform to the requirements prescribed in our relevant announcements, that is, they should have secured Verbal Percentile Scores and Total Percentile Scores which are at least equal to the cut-offs given in our notifications.

Candidates must hold a Bachelor's Degree or equivalent qualification of any of the Universities incorporated by an act of the central or state legislatures in India or other educational institutions established by an act of Parliament or declared to be deemed as a University under section 3 of UGC Act, 1956, or possess an equivalent qualification recognized by the Ministry of HRD, Government of India/AIU. This degree must entail a minimum of three years of education (10+2+3 system) after completing higher secondary schooling (Class 12 or equivalent).

Candidates of B.Sc. / B.A. / B. Com. Honours must have minimum 50% marks in average (45% for SC/ST) in their Honours subject. Candidates of BBA and other graduate courses must have minimum 50% marks in average (45% for SC/ST) in graduation, marks to be computed as average of marks obtained in ALL subjects in which candidate has appeared (excluding optional subjects).

Candidates with qualifications acquired through correspondence or distance-learning programmes are eligible only if they acquired such qualifications as working professionals / while in employment.

Candidates appearing for final examinations of their Bachelor's programme can also apply and if selected can join the programme provisionally. At the time of the counselling they must bring a certificate in original from the Principal of their respective Institutes certifying that.



Campus Life



Accordingly, our academic programs are backed up with appropriate co-curricular and extra-curricular inputs promoting culture, sports, self-governance and values; all of which help the students towards becoming complete human beings. In a majority of comparable institutions of higher education, the students lead an extremely passive existence. The interaction between college and student is almost completed in one way i.e., the lecture way. NILAI is a major exception to this rule. This is one of the few institutes in the country where the students play a pivotal role in the day to day running of the institute.



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Providing an enriching campus life for students has always been our major focus. Numerous activity and hobby clubs are active in all our campuses. Run completely by the students, the clubs are purely talent oriented and interest based. Recruitments for clubs are conducted at the beginning of each semester. In addition to the clubs, a number of departments are responsible for the functioning of the various festivals that are organised by the different campuses. Different departments work in concert for the successful execution of the festivals. Students are completely responsible for the functioning of the departments, and thus, of the festivals. It is a great exercise in working in groups and exposes students to a completely different aspect of problem solving from the one that they learn in the regular course of academics.

The institute attracts bright students selected through national level competitive examinations and interviews. It believes that the true potentials of the students cannot be realized by academics alone. The students need the opportunities for exploring and enhancing their talents in co-curricular activities as well.



At NILAI, it is the student who take the initiative through the medium of elected students' parliament. The students run every facet of their lives — their food arrangements, interaction of the student community with the administration of the Institute, student grievance redressal, and co-ordination of active sports and cultural activities in the Institute.

In addition to this, the students are the chief participants in organizing various festivals and celebrations in the institute. It is a fact that every major event in the Institute has been organized, handled and coordinated entirely by the student group. The truly unique features of the student responsibility in the NILAI are demonstrated by the important part that students play vital role in the academic functioning of the institute. With the active cooperation and encouragement of the faculty and the administration of the institute, the students work as Teaching Assistants, guiding and aiding the students in the batches that are junior to them. In addition, the students are placed almost completely in charge of the facilities that are offered by the college by way of lab and academic committees supervised by the faculty.



Cultural Activities

The cultural activities at NILAI foster a climate of cultural, racial, religious, ethnic, social and intellectual diversity that is marked by cross cultural understanding.

Cultural Club

The cultural clubs are formed to foster and promote learning and appreciation of various types of art among the students to showcase their talents in various fields viz :

- Theatre
- Dance
- Music
- Fine Arts
- Literary Arts

The Campus youth festival and inter hostel cultural competitions are major platforms hosted by the cultural department to provide a university level exposure for the talented students.

Sports Activities

A sport is delineated as a machinated, competitory and proficient physical activity demanding commitment and fair play thus inculcating in the players the traits of sportsmanship and team skills. Sports clubs are formed at NILAI to promote students' participation in sports activities by organizing annual athletic meet, inter-school competitions, inter-hostel competitions, inter-college competitions both at state and national level.

Social Activities

With the vision of creating awareness among the students and fork out help to the society, the campus has initiated the social service clubs which help to enhance the awareness on social issues, to create a sense of social responsibility among the students, to contribute positively to the improvement of the community and to acquaint students with skills and motivation to serve the community by rendering their services. Various activities undertaken for the cause of social welfare includes

- Blood Donation camps
- Celebrating joy of giving week
- Physiotherapy campus
- Tree Plantation campaigns
- Free eye checkup camps
- Yoga and Meditation Camp

Educational Tour

Educational Tour is one of the most tactical methods of teaching. The main reason behind this is that, it lets students to know things practically through interaction, working methods and employment practices. Moreover, it gives exposure from academic point of view.

NILAI has taken in groups for a guided tour into the premises of various industries, providing them information about the background of the companies and their current position in the global business scenario. The aims of such tour are :

- Exposure to Actual Working Conditions
- Making Students Aware of Industry Practices
- Creating Practical Awareness of various Industrial Sectors
- Acquaint Students with Interesting Facts and Breath-Taking Technologies

Our Staff

The success of any institution is depended on the quality & expertise of the staff. NILAI selects its teaching staff based on their education, achievement and enthusiasm. All our tutors are qualified in their areas of expertise - many nationally or even internationally recognized as leaders in their fields.

And what's more you'll find them friendly and approachable, whatever be your choice of programme to study, you can be sure that your future is in good hands. NILAI is committed to it's acknowledgement of the achievements of its students. All our programmes are structured according to the requirement of the industry in India & abroad, so any technical degree you receive with us is recognized by employers as the highest standard.



Dr. Susanta Chaudhary
Professor

Dr. Sanjay Prasad Mishra
Assistant Professor

Anant Kumar Kushwaha
Assistant Professor

Abhishek Panda
Assistant Professor

Rajesh Kumar
Assistant Professor

S.N. Sahu
Assistant Professor

Mritunjay Kuar
Assistant Professor

Shardhan Mahto
Professor

Biresh Kumar
Assistant Professor

Pramod Kumar
Assistant Professor

Injras Kamal Bara
Assistant Professor

Rajesh Ranjan Sinha
Assistant Professor

Deo Kumar
Assistant Professor

Mahendra Jha
Professor

Shankar Kumar
Assistant Professor

Ajay Sinha
Assistant Professor

Priti Mishra
Assistant Professor

Amardeep
Assistant Professor

Prakash Anand
Assistant Professor

Raj Kishor Verma
Assistant Professor

Vimal Kumar
Assistant Professor

Dharmraj Roins Chourasia
Assistant Professor

Ravi Kumar Burman
Assistant Professor

Dinesh Minz
Assistant Professor

Surendra Kumar
Assistant Professor

Amrit
Assistant Professor

S.K. Jha
Professor

Anita Kumari
Assistant Professor

Megha Sinha
Assistant Professor

Pankaj Sharma
Assistant Professor

Bhuwan Mohan
Professor

Lily Dubey
Assistant Professor

Priyanka Gupta
Assistant Professor

Pramod Prakash Dubey
Assistant Professor

Satendra Verma
Assistant Professor

Ajay Kumar Verma
Professor

Kailash Pati Dutta
Professor

Sandhir Kumar Singh
Assistant Professor

Sanjeev Kumar
Assistant Professor

Vineet Kumar
Assistant Professor

Shubha Kumar
Assistant Professor

Cyan Prakash Ranjan
Assistant Professor

Anita Rupashree
Assistant Professor

Raj Kumar
Assistant Professor

Sachindra Kumar
Assistant Professor

Aditya Kumar Singh
Professor

Kaveendra Kumar
Assistant Professor

Sweta Rani
Assistant Professor

Partha Pratim Bhuyan
Assistant Professor

Mona Ratnesh
Assistant Professor

Ashutosh
Assistant Professor

Jai Narayan Yadav
Assistant Professor

Subhradip Mukherjee
Assistant Professor

Bipul Kumar Ghosh
Assistant Professor

Amar Nath Thakur
Professor

Uma Kant Manjhi
Professor

Kunal Kumar
Assistant Lecturer

Rupam Sharma
Assistant Professor

Priyanka Kumari
Assistant Professor

Sweta Kumari
Assistant Professor

Faculty Speaks

"My experiences over the past many years teaching at NILAI have always been excellent. The students are keen learners and the support provided by the campus staff and facilities are top notch."

Prof. Kunal Kumar, Professor

"At NILAI we try to shape up intellectually superior, in sync with the latest technical know how of broadcast industry professionals with real social concerns. This is our contribution to the next generation of media aspirants."

Prof. Kaveendra Kumar, Professor

You might have heard about NILAI and its infrastructure. NILAI is situated at a noise & pollution free area of Ranchi at 25 acres of land. The campus has all sports and recreation facilities with a beautiful garden inside.

— **Sanjay Goda, B.Tech.-C.E. (Arunachal Pradesh)**

When I joined NILAI I felt that the life here is very tuff. We are supposed to give assignments by 7 am but it is really going to help us to improve our future. We learn from NILAI that "just do it".

— **Tannu Kumari, B.Tech.-C.S.E. (Kolkata)**



The students were as bright, engaging and talented as I had expected. I was greatly impressed by the breadth and depth of their hunger for knowledge. It was a privilege to teach such an outstanding group.

Prof. Preeti Mishra, Professor

It was a pleasure and a great experience interacting with the students. It is a vibrant bunch and they are very sharp. I wish them all the very best.

Miss Rupa Jha, Admission Head

Before joining we were raw, we did have dreams but didn't know how to materialize them. We used to think success but didn't know the actual path to reach there. At NILAI with internationally recognized faculties we learn how to reach goals.

— **Vikash Kumar, B.Tech.-M.E. (Varanasi, UP)**

I have joined NILAI just because of its unique features. I know that I can get my dream job only doing ECE from this institute.

Nelson Bhingra, B.Tech.-E.C.E. (Vizag, AP)

CAMPUS Placements



100% Placement Assistance



Students' code of conduct

Discipline

Discipline is a habit at NILAI

No one in the Institute is above discipline, be it the student or the staff. Within the campus and outside, students are required to maintain the strict code of conduct. Any type of indiscipline or misconduct may result in expulsion of a student.

Attendance

It is desirable that students attend all the classes to excel in academics. However, as per Ranchi University ordinance 75% of attendance in all subjects is the minimum requirement to appear in the end semester examination, failing which the student shall have to repeat the semester.

Ragging is Strictly Prohibited

"If any incident of ragging comes to the notice of the authority, the concerned student shall be given liberty to explain and if his explanation is not found satisfactory, the authority would expel him from the institution."

Ragging is totally prohibited either physically or mentally in NILAI, so-called introduction by individual and by group is banned. Only in presence of faculty or in Fresher Party simple introduction is allowed. The defaulter, if any will be suspended with pending enquiry and will be expelled from the Institute if required. FIR will be lodged with Police. Imprisonment up to two years with or without fine may be awarded by the court as per the Jharkhand State Govt. Bill.

The Institute has appointed Anti Ragging Squad consisting of senior professors and faculty on duty during day and night to ensure that no ragging incident happens in the college premises as well as in the hostel.

Towards a Solution to Ragging

A three-forked approach

- Acceptance of ragging as a social evil by the masses. (Through awareness)
- Deployment of alternate means of interaction between freshers and seniors at colleges.
- Strict measures by colleges including surprise checks and severe punishment to culprits.

Punishment for Ragging

- A student found guilty of ragging under the provision of Regulations on Maintenance of Students' Discipline of NILAI is punishable by suspension/rustication from College.
- Under the provisions of the Jharkhand Prohibition of Ragging Act, 1997, ragging is a criminal offence and punishable by a fine of Rs. 10000/- and imprisonment upto 2 months.
- Students found to be indulging in ragging will be expelled from the College for a period not less than one academic session; moreover, the college authority will put out advertisements in local newspapers making the announcement public. The advertisement shall also carry name of the father as well as the permanent address of the student expelled and punished for indulgence in ragging.
- Epilogue: The aim of this document is to disseminate the idea of prevention of ragging through educational campaign. We sincerely hope that the provisions highlighted here will restrain any misadventure from any part of the senior students.

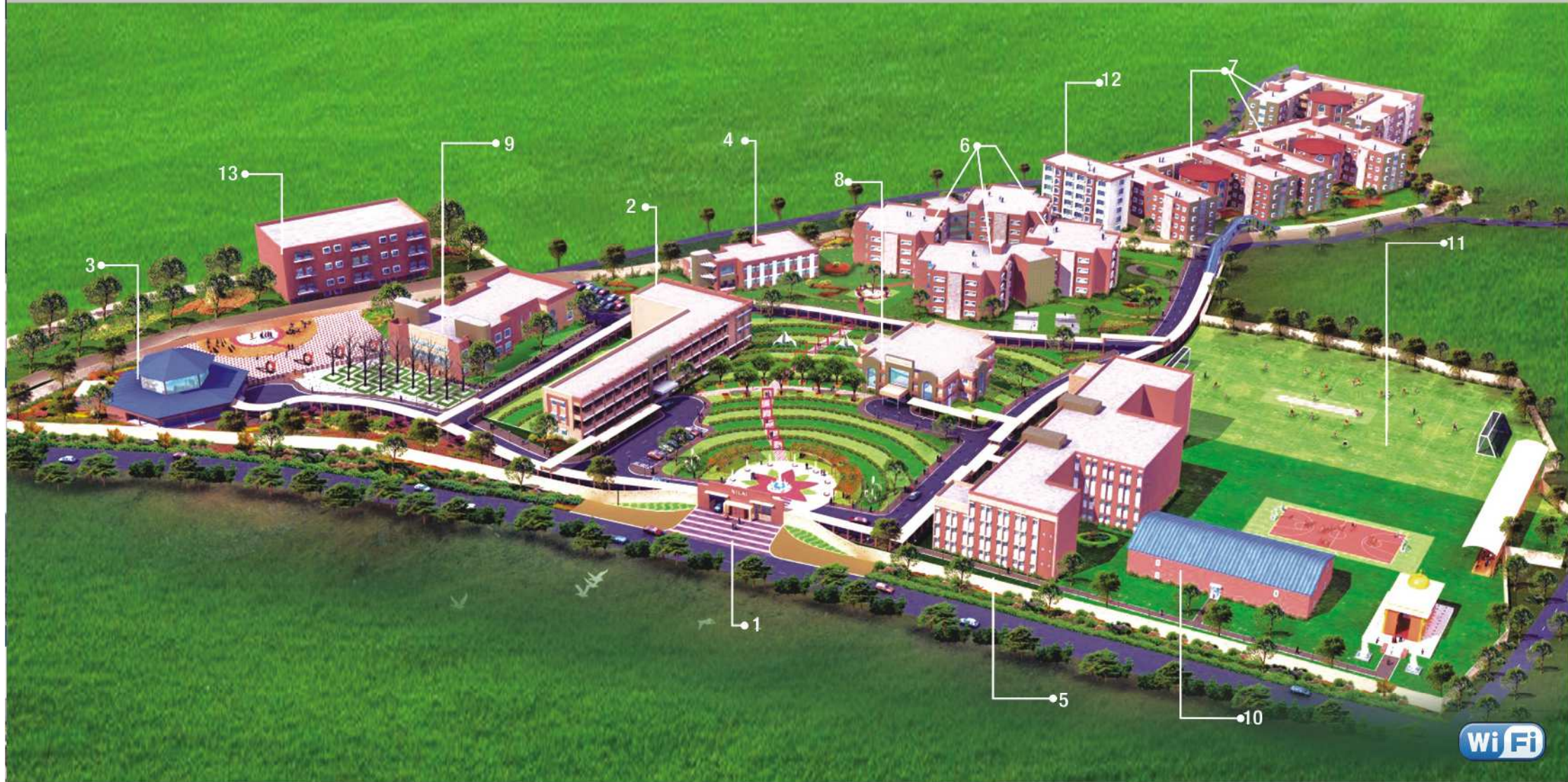
Pledge of Students

- All students are to sign an undertaking / affidavit stating that they will fight for a Ragging-free NILAI.

Note:

Please collect Student Handbook regarding detailed rules & regulations from the registrar's office. Please go through the handbook in detail as the information there is extremely important for you.







NILAI

GROUP OF INSTITUTIONS

(Approved by AICTE New Delhi, Ministry of HRD, Govt. of India)
(Govt. of Jharkhand, Affiliated to Ranchi University)

CAMPUS ADDRESS

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NEPAL OFFICE

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