



# GOPSAI AVINANDAN SANGHA

*A group of Institutions*



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## PROSPECTUS **2025**



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# GOPSAI AVINANDAN SANGHA

Reg. No. S/76804, Registered under W.B. Societies Act, XXVI, 1961



## ABOUT GOPSAI AVINANDAN SANGHA

**GOPSAI AVINANDAN SANGHA**, a Society which is registered under West Bengal Societies Act XXVI, 1961, has been established with the clear mission to support Education for rural masses as well as to people who do not have sufficient opportunities in life, and thus empowering employability through various aspects to the youths of society which is resulting into enhancement of socio-economic stratum of society.

It was established in 2003 with an aim to promote a Group of Institutions and thus cater education amongst socially backward classes. Over the years GAS has been contemplated as an important landmark in the educational map of Eastern India.

Presently there are ten institutions under the umbrella of GAS providing education in the field of:

**D.El.Ed, B.Ed, M.Ed, ITI, DIPLOMA, B.Tech, M.Tech BBA, BCA, MCA, BHM & MHA, D.Pharm, B. Pharm, Paramedical & Allied Health Sciences & Nursing Science.**

Needless to say that all Institutions are well developed with modern infrastructure, state of the art laboratories, exhaustively stocked scholastic Library and well equipped workshops.

Further more, GOPSAI AVINANDAN SANGHA envisages exploring some more contemporary areas of education in the field of **Law, Agricultural Science and Medical Science.**

## OUR ANECDOTE

It was year 2003. Medinipur got divided in two parts just a year back. Undivided Medinipur was globally recognised for its brilliant minds like Pandit Ishwar Chandra Vidyasagar, scientist Mani Bhowmik, revolutionary Khudiram Bose, poet & writer Suryakant Tripathi, sculptor Chintamani Kar and many more. Medinipur also houses world's premium Institute like Indian Institute of Technology that nurtures country's best brain and minds. Like a lamp has shadow behind the lights, Medinipur also had a socially, economically, educationally down trodden area which was not much discussed about. But, some people here, witnessed the same, felt the pain and dreamt of removing the darkness from this under privileged community who were deprived of basic needs of life and enlighten their lives. Uplifting people's life can only be possible with education. Hence, was established Gopsai Avinandan Sangha with a noble aim of accelerating primarily the life of under privileged area of the district and several other parts of state as well. With that aim, Gopsai Avinandan Sangha initiated building a job oriented educational institution in Chandrakona Town that would educate the local people and also arrange the job that would change their economic condition. A vacant non-agricultural Dahi land was earmarked, procured after completing all legal formalities and basic survey work. Thus began the journey, journey of struggle to turn the dream into reality. To make the best construction, best engineers and work force were hired from city. But sanctioning of total plan, construction, making infrastructure, providing facilities of an TEI demanded more than the budgeted amount and first obstacle faced was deficit of fund. It was a mammoth task, took lot many sleepless nights but as dreams are dreamt to be true, Gopsai Avinandan Sangha triumphed over all the hindrances. But alas! what was more distressing and agonising was to face the impediments created by some local residents, for whom all these struggles were all about. Nevertheless, we accepted it as a blessing in disguise that inspired us to start the 'Awareness program' Awareness for a better life, awareness for the need of higher education, need of job centric course for youths. Also, we started literacy program amongst their predecessors. Thus, with two years of constant hard work & dedication, passion & patience, toil & moil, the dream came true in 2005 in the form of Gopsai Avinandan Sangha PTTI, the first self-financed primary teachers' training institute. The journey of introducing job-oriented education, creating future teachers, zeal of delivering the society a better tomorrow continues. It was felt that the locality as well as the district lack technically sound workforce whereas it was a demand of the society. To comply with that, Institute of Science and Technology was established in the year 2005 with an aim to impart technical education in form of Engineering and Management. Also, after Primary Teachers' training it was necessary to introduce Degree course in Teachers' education. So was established Bengal College of Teacher Education in 2007 with B.Ed and later in 2018 it started M.Ed degree as well.

The effort of years started showing its results; students started coming from various parts of the district, and neighbouring states. Scarcity of seats in GAS PTTI and enthusiasm of students has encouraged us to open up another Institution for Primary Teachers' Training in the year 2012 named as College for Teacher Education. Similarly B.Ed college was the demand of students and that led us to start our journey beyond Chandrakona Town. Considering the ease of communication, transportation and students' eagerness to pursue B.Ed course, two B.Ed colleges were established in Bhadutala and Chhoto Dabcha named Anindita College for Teacher Education & Excellent College for Teacher Education respectively. In the same year another B.Ed college, College for Teacher Education was founded in the campus that nestled other institutions as well. Meanwhile, another horizon of job-oriented education was seen. India was experiencing shortage of healthcare professionals and pharmacists. Healthcare delivery system was undergoing rapid changes creating immense demand for healthcare-oriented people and thus provided great career opportunities. That was the area which could provide immediate scope of job after the education. Thus, to extend the continuous service towards mankind, P G Institute of Medical Sciences was established in the year 2017 with Pharmacy and then it added Paramedical in 2020. Job oriented education in healthcare sector cannot be completed without Nursing education. Moreover, this stream creates scope of job and serves humanity at the same time. So, how could we not explore creating these noble professionals! Anindita Institution for Nursing has been established in the year 2021 to impart nursing education and make the students ready for job immediately after completion of the course. But that's not end. We are yet to be complacent and our journey continues. We still have future plans and are committed to ourselves to come up with many more Institutions that will offer new opportunity and thus our spirit of serving the society will continue today, tomorrow and forever.





## VISION

**GOPSAI AVINANDAN SANGHA** Group of Institutions envisions providing a conducive ambience for nourishing ingenious young minds and thus helping them to bring out best results for the development of self, which help them to emerge as leaders for the continuously challenging global society. It offers multidisciplinary education platform that enables students to pursue their choice of stream deep in breadth and depth in the areas of their interest and excel in every sphere of life. The institution has a vision to spearhead the arena of education by establishing centres of excellence in the fields of higher education, research, entrepreneurship and skill development.



## MISSION

- ▶ To prepare quality human resource by opening new vistas of opportunities for its students and develop them into innovative and ethical future leaders and achievers capable of managing and contributing to the globally competitive environment.
- ▶ To become the center of excellence and leading contributor in education and research in the field of technical & public healthcare that in turn would promote excellent standards of education amongst socially, educationally and economically weaker sections of society.

## SOCIAL RESPONSIBILITY OF GOPSAI AVINANDAN SANGHA

The ISR initiatives of Gopsai Avinandan Sangha range from caring for society, providing healthcare, education to caring for the environment. The ISR is a module to ensure a holistic development of the students through community service.

Continuous Literacy Campaign in Tribal Society and Villagers, primarily amongst the people who are deprived of higher education, is religiously being done by Gopsai Avinandan Sangha for years.

The Institution took it upon themselves to contribute relief items for the massive effort underway in natural calamity ravaged state many times. The survivors of the floods /cyclone were given shelter at various relief camps and were provided with food, clothes, medicines, first aid items, essential items for daily living and womans' health and hygiene.

Since enlightening the under privileged tribal society of Paschim Medinipur and neighbouring areas with Education and thus enable them to be a part of the main stream was the primary aim of Gopsai Avinandan Sangha, providing financial assistance in terms of scholarship and fees reduction for the economically backward yet brilliant students has always been a responsibility of us. We feel honoured to see ourselves to be a part of the social progress and wish not to get inundated with complacency ever.

Along with education, creating jobs for the youths in our own capacity, though unemployment has been a matter of concern all over, is another area where Gopsai Avinandan Sangha has been relentlessly contributing to.

Further, we diligently followed the direction of PCI which says that, in 2018 all registered pharmacists will have to take part in up gradation training program for renewal of their registration. This up gradation Training program is being organised by West Bengal Pharmacy Council in all the districts. P.G. Institute of medical Science has been given the honour of conducting this training program in Paschim Medinipur along with West Bengal Pharmacy Council. Our adept faculties have been delivering this responsibility with full dedication.

Alongside, free medical camps are set up with a sacred aim to bring awareness amongst the deprived population of the locality and in turn of the country who have no access to basic healthcare services or knowledge about the diseases they are suffering from. So, PGIMS tries to provide the free medical advice, medicine to the under privileged people and guide them for specialised treatment if it is required. These camps make sure people are getting the healthcare at the right time, and seeing the doctor early enough before a small health problem turns serious.

These medical check-ups include eyes and health check-ups, E.C.G, X-Ray and assessment of the functioning of vital organs like the heart, lungs, digestive system, liver, kidneys, and immune system. Besides, considering the effect of SARC COV 2, there were several health camps were organised by following all the laid down protocol in local villages where people were demonstrated about hygiene, cleanliness, hand wash, importance of social distancing etc. On behalf of PGIMS, masks and sanitisers were distributed amongst the people who attended the camp.





VALUE ADDITION TO THE SOCIETY

Gopsai Avinandan Sangha has created a path for its own that was guided and enlightened by strong commitment, tireless hard work and dire willingness to add value to the society; to make the society a better place to live for the future citizens. Thus, we have tried creating many more aspects of serving life other than offering job-oriented education or creating awareness program amongst local backward population, especially in tribals. Our honest and relentless effort of adding value to the society have resulted into several contributions which have been enriching society someway or other. Let us see some of the aspects as below:

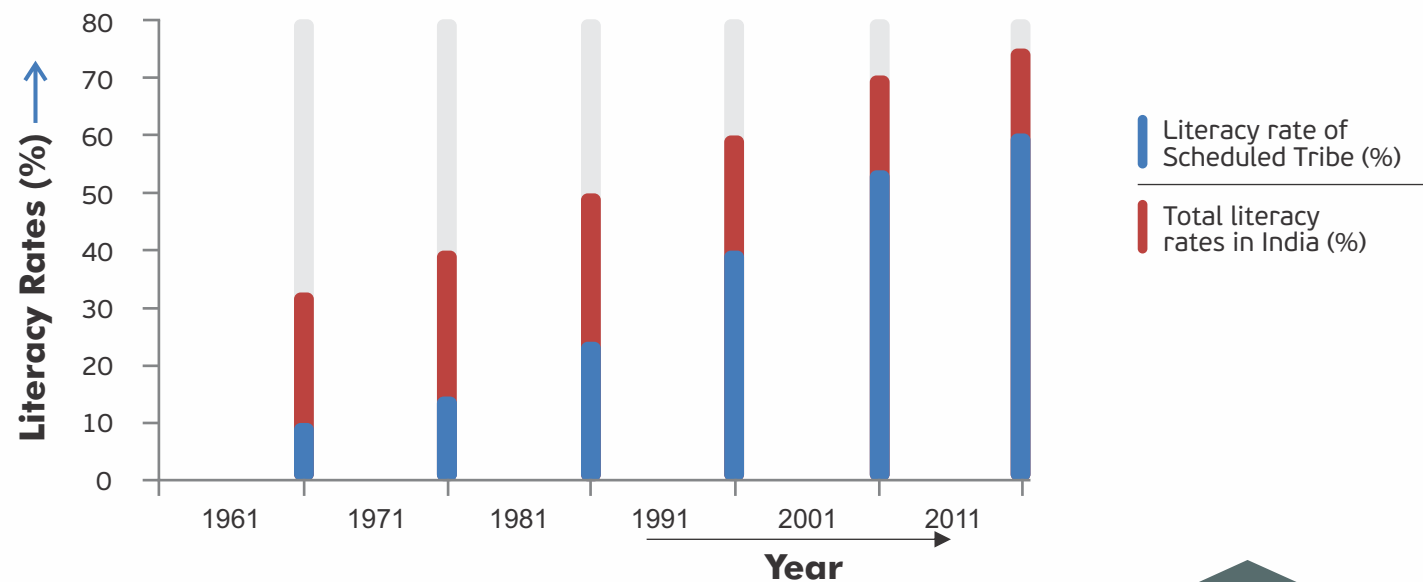
1. SPREADING EDUCATION AMONGST MAJOR POPULATION CONSISTING OF TRIBALS :

Education is one of the most essential elements for development of human resource and socio-economic conditions of any society. Education is directly related to the development of an individual and the community. It is the most important single factor for economic development as well as social emancipation. For the weaker sections of society, education has a special significance because for a number of centuries, their illiteracy and social backwardness have been used for their harassment, humiliation and economic exploitation. According to the census of India (2011) tribal population share about 8.6% of total population of India and their literacy rate is about 58.96%. West Bengal is one of the popular tribal concentrated states in India having almost 5.79% tribal people of the total population as per census 2011. In West Bengal, Paschim Medinipur is the tribal-dominated district because of major tribal concentration i.e., 16.61%.

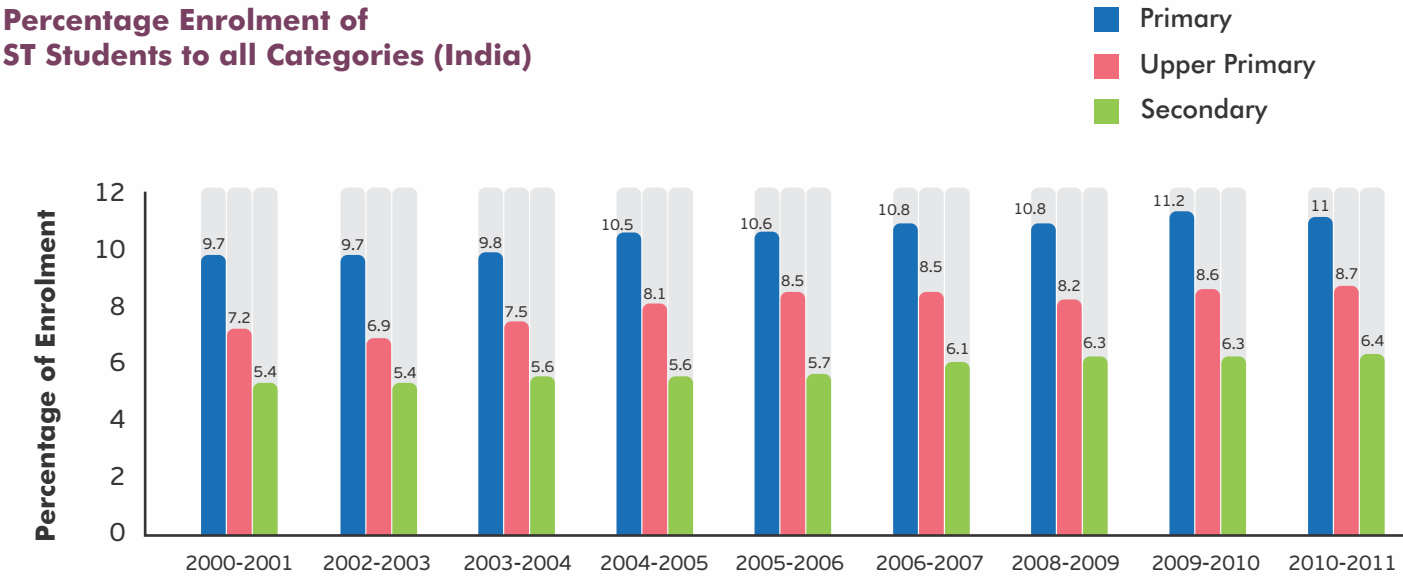
As per the 2011 census, in Paschim Medinipur, the tribal literacy rate is 59.51% whereas, in West Bengal it is 57.92% which is also covering much better compared with West Bengal average tribal literacy rate. In fact, Paschim Medinipur has major tribal literate people which occupy the 17.03% (where male literate 10.14% and female 6.89%) out of the total tribal population of West Bengal.

If we look back through the previous census report, the literacy rate was about 20% less. One of the reasons was recorded as scarcity of educational institution nearby and lack of infrastructure. Exactly this is the area, Gopsai Avinandan Sangha wanted to address and to some extent became successful. Following is the graphical impression that shows the graph of Tribal Education.

Comparison of Total literacy rate and Tribal literacy rates in India (1961-2011)



Percentage Enrolment of ST Students to all Categories (India)



2. INFRASTRUCTURE DEVELOPMENT : SOCIAL & PHYSICAL INFRASTRUCTURE

An institution, that has been housing increasing number of students every year not only just help in educating the people or society, it does help in total development of the locality which we call as development of Social Infrastructure. Since incipience the institutions flourished in such a manner that it could seize the attention of government. Since then, quite significant advancement has taken place in Physical Infrastructure of the locality around the Institution and slowly in the district. Infrastructural development is of paramount importance for achieving sustainable & equitable economic growth through providing access to the basic facilities and amenities that each citizen deserves as a basic requirement for enhancing living standards but people of this locality were deprived of for years. These are necessarily comprised of transportation and communication facilities, roads, water, sanitation, sewerage, electricity where substantial growth were observed and enjoyed.

3. ECONOMIC INFRASTRUCTURE

When a vast area sees growth in physical infrastructure, it's obvious that economic infrastructure can't stop being developed behind. Needless to mention that this could only happen because of the establishment and progress of the Institutions by Gopsai Avinandan Sangha. With this the locality witnessed a rapid growth primarily in below mentioned areas:

a) Indirect generation of various ways of earning :

When number of students started increasing inside the campus, outside local people started renting out part of their houses as Mess. With the time, this has become their steady source of earning.

b) Development of small business opportunity :

With the increase in number of people as students and employees, in the area it created a demand for basic necessities like vehicle for local and regular transportation which created work opportunity for the local youths who are not so educated but physically strong enough to provide this particular facility. Also, lot of shops, small to big; i.e. Grocery, Stationary, Vegetable & Fruits vendors, Fish & Meat Vendors, Laundry, Sweet Shops, Bakery, Restaurant etc that provide daily needs, were established and with the time all of these have been upgrading themselves & that has now reached upto having a departmental store & shopping mall in the locality.

c) Commencement of various banking, insurance, credit facility and thus upliftment of the living of local people :

This is another area which can't be ignored. Increase of people, increase of local per capita income also became a reason for commencement of new Banks or business growth of the existing banks of the locality. Even private banks are also opening their branches & ATMs.

4. DIRECT CONTRIBUTION TO THE ECONOMICAL DEVELOPMENT OF SOCIETY

With the development of social infrastructure comes the responsibility of Economic Development of the society which Gopsai Avinandan Sangha has been performing relentlessly for years. Some of those are humbly presented below:



#### a) Direct Employment Generation :

Spreading education is not possible without teachers; with the establishment of number of colleges, requirement of teachers and educators were also increased. So remarkable number of Employment opportunities for Teachers have been created over years. Running any organisation aptly demands lot of departments to run efficiently and that in turn creates ample number of Employment in all departments. So happened in Gopsai Avinandan Sangha. It has turned an under developed under privileged barren part of Paschim Medinipur a place of creating and ensuring job scope to people from different areas of the state along with the local educated people at the time when unemployment has remained a matter of concern for all. Along with providing job-oriented educations we could retain and nurture our own talents as Employees; i.e, Associate professors, Civil Engineers, Mechanical Engineers, Electrical Engineers and many more.

#### b) Brain Drain and our role :

Brain drain has always been a problem everywhere. Medinipur is known for its brains but lack of opportunity in higher study, technical study and most importantly job-oriented study used to compel the best brains to migrate in other states. But establishment of various colleges for providing job-oriented courses had stopped the brain drain to a notable extent. Also job opportunities created by Gopsai Avinandan Sangha brought back many talents from other places and to some extent migration for job has also been restricted.

#### c) Turned the Unskilled to Skilled :

Poverty was all around in this part of Paschim Medinipur but everyone needs the basic demand of livelihood. So, lot of unskilled youths have been hired and trained so that over the period of time they turn to be skilled workers and earn their livelihood. Not only Paschim Medinipur, in this section we cater to the people of neighbouring districts like Bankura, Purulia, Purba Medinipur, Burdwan and neighbouring states as well.

#### d) Construction and It's impact on Economy :

This is a major area of Gopsai Avinandan Sangha that has contributed in complete upliftment of the human resources and thus society. With the increase in number of institutions, construction of buildings to house students' classrooms, library, laboratory, hostels, staff quarter etc. became a mandatory requirement. So, from an unskilled labour to several levels of architects & Engineers were recruited. Apart from that these tasks in the campus, demanded lot of suppliers, vendors to supply raw material. Though we insisted and preferred to work with local vendors first but not always they were available. So, we had to procure all sort of raw materials from neighbouring district & states. But at the same time local suppliers were created and that has created a great impact in the growth of local unemployed youth and thus economy. We can proudly say that some hundred crores have been poured in the upliftment of the social economy and the effort continues.

Thus, considering above facts, we can conclude by opining that the "Social Infrastructure" which was created by Gopsai Avinandan Sangha has been playing a critical role for last 22 years in the process of " Continuous upliftment of Economical Infrastructure", through creation of human capabilities and capacity building by enhancing the quality of human life with enhanced financial capabilities, better provision of education, health and recreation facilities and of course augmenting a new social culture which brings mankind together.

### 5. SOCIAL CULTURE

Boosting up of economic system through spreading education is not the end of social responsibility; in fact that ignites other social responsibilities like ascertaining social culture and ushering those in various ways, introducing new culture through its continuous support in various social & recreational facilities. As Mr. Jerome Bruner, the American psychologist Said, "Education must, be not only a transmission of culture but also a provider of alternative views of the world and a strengthener of the will to explore them." Gopsai Avinandan Sangha has been trying to nurture the culture amongst its students through different celebrations and ceremonies which made the student aware of their roots and make them responsible to carry those forward and spreading in the society. Further, Gopsai Avinandan Sangha has been encouraging various activities in the locality and neighbouring places through sponsorship. That includes,

- a) Sports activities like Football tournament, Cricket tournament, Volley ball tournament, Kabaddi competition etc.
- b) Festivals of all religion where different cultures congregate, mingle with all from all social strata and experience & exchange their social values and beliefs.
- c) Talent search from local youths which includes all circular and co-curricular activities.
- d) Felicitation of local talents after board exams.

### 6. ESTABLISHING WORK CULTURE :

It was a time when farming & cultivation was the main occupation of the people of this part of Paschim Medinipur. Tribes of these area were mostly daily labourer or sharecropper. Higher Education was a distant dream for many of them. With the time, higher job centric education introduced by Gopsai Avinandan Sangha brought a great transformation in their society. A bigger world got opened up. Lights of education and culture was ignited. People started exploring new job areas. They learnt different kind of works and imbibed work culture in their lives. That's how a total transformation occurred in the lives of many people slowly over the years and mission is still on. Thus, we can conclude as there is a transformation led by education with the hand of Gopsai Avinandan Sangha. The education is recognised as necessary social capital in a society with a market economy in which social position is determined by the level of education of individuals. Despite several social restrictions, obligations, reform of education and several controversial issues, the fact that the leading role has been achieved by Gopsai Avinandan Sangha through spreading education and thus reformed the social structure in significant way is an indisputable fact. The policies of hand-holding the youths, more precisely under privileged youths to lead them towards job centric education which has been contributing immensely to the formation of a new identity of Paschim Medinipur and neighbouring states is still in place with the mission of mastering the skills needed in the workplace and appropriate knowledge and skills of international standards in the era of globalisation.

### 7. PROMOTING 1<sup>ST</sup> GENERATION HIGHER EDUCATION TO IT'S EMPLOYEES FAMILY :

Gopsai Avinandan Sangha not only employs educated people, there are many employees who has experienced first generation education but could not continue for long. We feel privileged to be a part of fulfilment of their wish to see their next generation educated and established. We offer their children higher education at minimalistic expenses. Not only that they are also offered jobs post completion their education.





# AWARDS & Recognitions



## GOPSAI AVINANDAN SANGHA

### GROUP OF INSTITUTIONS

being awarded with accolades and recognition at several occasions, undoubtedly stands as a symbol of excellence and innovation. Each award underscores its leadership, dedication, and impactful contributions in the field of Education. These achievements reflect a culture of vision, collaboration, and a relentless pursuit of progress, solidifying its reputation as a trailblazer in the effort of enlightening the underprivileged with the light of education.







**Smt. Anindita Ghosh**  
Honourable Founder President  
[president@gasonline.org.in](mailto:president@gasonline.org.in)



**Dr. Pravas Ghosh**  
Honourable Founder Secretary  
[secretary@gasonline.org.in](mailto:secretary@gasonline.org.in)





**Dr. Pranali Ghosh**

Asst. Secretary  
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**CS Arijit Ghosh**

Executive Member  
arijit@gasonline.org.in





**Dr. Pradip Ghosh**  
Treasurer  
treasurer@gasonline.org.in

GOVERNING BODY

Name	Designation
Smt. Anindita Ghosh	Honourable Founder President
Dr. Pravas Ghosh	Honourable Founder Secretary
Dr. Pranali Ghosh	Asst. Secretary
CS Arijit Ghosh	Executive Member
Dr. Pradip Ghosh	Treasurer
Smt. Sukrita Ghosh	Member
Smt. Ketaki Paul	Member







### GOPSAI AVINANDAN SANGHA PRIMARY TEACHER'S TRAINING INSTITUTE

Chandrakona Town, Paschim Medinipur

**Estd in 2003**

Course Offering : **D.El.Ed, Prak Shastri**

Recognised by **National Council for Teacher Education (NCTE)**,

Govt. of India, and Govt. of West Bengal,

Affiliated to **West Bengal Board of Primary Education (WBBPE) &**

**Central Sanskrit University (CSU), New Delhi**



### INSTITUTE OF SCIENCE AND TECHNOLOGY

Chandrakona Town, Paschim Medinipur

**Estd in : 2005**

Course Offering : UG : **B.Tech** (CE, ME, EE, EEE, AEIE, ECE, IT, CSE )

PG : **M.Tech** (CE, ME, EE, ECE, CSE), **MCA**

Approved by **All India Council for Technical Education (AICTE)**

Affiliated to **Maulana Abul Kalam Azad University of Technology, West Bengal (MAKAUT), W.B.,**

Recognised by **University Grants Commission (UGC)**, New Delhi

for 2(f) & 12b undersection 1956 of **(UGC) Act**



### BENGAL COLLEGE OF TEACHER EDUCATION

Chandrakona Town, Paschim Medinipur

**Estd in 2007**

Course Offering : **B.Ed & M.Ed, Prak Shastri**

Recognised by **National Council for Teacher Education (NCTE)**, Govt. of India, and Govt. of W. B.,

Affiliated to **Baba Saheb Ambedkar Education University (BSAEU)**, West Bengal,

**Central Sanskrit University (CSU), New Delhi**



### INSTITUTE OF SCIENCE & TECHNOLOGY

Chandrakona Town, Paschim Medinipur

**Estd in 2010**

Course Offering : **Polytechnic (Diploma)** in CE, ME, EE, CST, ETCE.

Approved by **All India Council for Technical Education (AICTE)**

Affiliated to **West Bengal State Council of Technical & Vocational Education**

**& Skill Development (WBSCT & VE & SD)**

Recognised by **University Grants Commission (UGC)**,

New Delhi for 2(f) & 12b undersection 1956 of **(UGC) Act**



### COLLEGE FOR TEACHER EDUCATION

Chandrakona Town, Paschim Medinipur

**Estd in 2012**

Course Offering : **D.El.Ed**

Recognised by **National Council for Teacher Education (NCTE)**, Govt. of India, and Govt. of W.B.

Affiliated to **West Bengal Board of Primary Education (WBBPE)**, West Bengal



### ANINDITA COLLEGE FOR TEACHER EDUCATION

Nischintapur, Bhadutala, Paschim Medinipur

**Estd in 2014**

Course Offering : **B.Ed, Prak Shastri**

Recognised by **National Council for Teacher Education (NCTE)**, Govt. of India, and Govt. of W. B.

Affiliated to **Baba Saheb Ambedkar Education University (BSAEU)**

**& Central Sanskrit University (CSU), New Delhi**



### INSTITUTE FOR TEACHER EDUCATION

Chandrakona Town, Paschim Medinipur

**Estd in 2014**

Course Offering : **B.Ed**

Recognised by **National Council for Teacher Education (NCTE)**, Govt. of India, and Govt. of W. B.

Affiliated to **Baba Saheb Ambedkar Education University (BSAEU)**, West Bengal



### EXCELLENT MODEL COLLEGE FOR TEACHER EDUCATION

Chottodabcha, Satbankura, Chandrakona Road, Paschim Medinipur

**Estd in : 2015**

Course Offering : **B.Ed**

Recognised by **National Council for Teacher Education (NCTE)**, Govt. of India, and Govt. of W. B.

Affiliated to **Baba Saheb Ambedkar Education University (BSAEU)**, West Bengal



### INSTITUTE OF SCIENCE & TECHNOLOGY PRIVATE ITI

Chandrakona Town, Paschim Medinipur

**Estd in : 2016**

Course Offering : **ITI (Fitter & Electrician)**

Recognised by **Directorate General of Employment & Training (DGET) &**

**National Council for Vocational Education and Training (NCVT)**

Affiliated to **West Bengal State Council of Technical & Vocational Education**

**& Skill Development (WBSCT & VE & SD)**



### P.G. INSTITUTE OF MEDICAL SCIENCES

Chandrakona Town, Paschim Medinipur

**Estd in : 2017**

Course Offering : **D.Pharm & B.Pharm**

Approved by **All India Council for Technical Education (AICTE) & Pharmacy Council of India (PCI)**

Affiliated to **Maulana Abul Kalam Azad University of Technology, West Bengal (MAKAUT), W.B. &**

**West Bengal State Council of Technical & Vocational Education &**

**Skill Development (WBSCT & VE & SD)**

Recognised by **University Grants Commission (UGC)**,

New Delhi for 2(f) & 12b under section 1956 of UGC Act.

**Estd in : 2020**

Course Offering : **Paramedical & Allied Health Sciences**

Recognised by **Directorate of Medical Education (DME), Swasthya Bhawan**, Govt. of West Bengal

Affiliated to **The West Bengal University of Health Sciences (WBUHS)**



### ANINDITA INSTITUTE OF NURSING

Chandrakona Town, Paschim Medinipur

**Estd in : 2020**

Course Offering : **GNM & B.SC NURSING**

Recognized by **Directorate of Health Services (DHS)** (Nursing Section),

**Swasthya Bhawan**, Govt. of WB,

Approved by **Indian Nursing Council (INC)**

Affiliated to **West Bengal Nursing Council (WBNC) &**

**The West Bengal University of Health Sciences (WBUHS)**



### INSTITUTE OF SCIENCE & TECHNOLOGY MANAGEMENT

Chandrakona Town, Paschim Medinipur

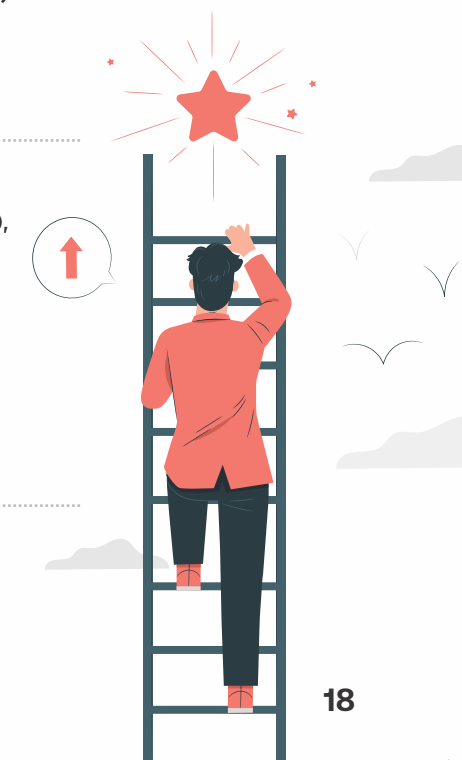
**Estd in : 2023**

Course Offering : **BBA, BBA-HM, BCA, MHA**

Approved by **All India Council of Technical Education (AICTE)**,

Affiliated to **Maulana Abul Kalam Azad University of Technology,**

**West Bengal (MAKAUT, W.B.)**







## GOPSAI ABHINANDAN SANGHA PRIMARY TEACHER TRAINING INSTITUTE.

Recognised by **NCTE**, Govt. of India, and Govt. of West Bengal,  
Affiliated to **WBBPE & CSU**, West Bengal

► Course Offered : **D.El.Ed. & Prak Shastri**

► Eligibility : **D.El.Ed.** : Passed Class 12 in any stream

**Prak Shastri** : Secondary examination of a recognised  
Education Board subject to passing the oral test in Sanskrit.

Primary education is the basic of every individual. What is reaped in childhood mostly by primary teachers and care givers is shaped into a future human being. Dr. A P J Abdul Kalam once said "Creativity is the key to success in the future, and primary education is where teachers can bring creativity at that level".

With that objective "Gopsai Avinandan Sangha primary Teachers Training Institute" had started their journey in the year 2005. It was the First Self-Financed TEI in West Bengal.

We strive to impart practical knowledge of teaching profession to our students with due care and scientific process with a hope that the same will be delivered to their little pupils in their professional life. The combination of nature and contemporary infrastructure makes the campus more enthralling to the students. The Campus is situated in Chandrakona Town, Paschim Medinipur in a serene lush green ambience but along with a state-of-the-art infrastructure, best faculties, latest technology and a well-stocked modern library. Nevertheless, what has made stands out is its constant effort for Excellence in terms of latest course content which is brought through extensive research & brain storming. Hence, it is expected that Individuals with immense urge for self-development can nourish and sharpen their intellect, creativity, co-curricular activity and thus upraise their overall personality which is very crucial in providing basic education to the future citizens of the country.

### MISSION

- ✓ To create generations of quality human being who can help in developing a better world.

### VISION

- ✓ To create teachers within natural learners. It moulds the students into their desired form not only as an established teacher but also as a good human being.
- ✓ To provide updated knowledge-inputs and practical support to our students in order to build their confidence level high which helps them to cope up in today's competitive environment.

### APPROVAL & AFFILIATION

Affiliated to **West Bengal Board of Primary Education**  
vide affiliation no. **674/affil/BPE/2020 dt. 20.07.2020**

Approved by **NCTE** (National Council for Teacher Education)  
vide order no. **ERC/7-87.6.(1).13/2008/1882 dt. 04.08.2008**

PRAK SHASTRI : Affiliated to **Central Sanskrit University**  
**16-1/CSU/Acd/GASP/Aff/2024/429 Dt.11.06.2024**

### SALIENT FEATURES OF THE INSTITUTIONS

### Approval & Affiliation



### ACADEMIC

We at GASPTTI have been relentlessly putting our efforts to create great teachers over the years so that teachers not only teach the children; they make the children excited about the learning. To make that possible Institutes keep a low student teacher ratio so that every student receives proper attention and thus teachers' accomplishments turn into achievements.

To keep the under privileged section of the society in the same pace we follow The Government Regulations on reservation for SC, ST and OBC.

### TRAINING

Apart from regular academic programs, GASPTTI & CTE extend several training to their students. Such as :

- **PRACTICE TEACHING TRAINING** : Only theory without Practical experience can't equip an individual for the profession properly. So, students are sent to different schools within 5 K.M radius to practice and develop their teaching ability.
- **BRATACHARI TRAINING** : Apart from regular academic curriculum, students are encouraged into co-curricular activities too; i.e, they are given Bratachari training by the experts.
- **OTHER TRAINING** : Students are given the first aid training by the first aid expert for co-curricular activity.



## COMPUTER LABORATORIES

The Institute provides a dedicated fully air-conditioned computer laboratory having 30 PCs connected to a Central server through LAN. Students can utilise their free time in practicing computer in the laboratory. Students are trained in basic computer for future use. All the PCs have Internet connection as to students can be connected to the world of knowledge through Internet.

## SCIENCE LAB

It would be rare to find any education course without a substantial component of laboratory activity. So we arranged for a modernized and well equipped and well maintained lab with all required facilities for our students for their experiments and work. It is observed that students should have full guidance and assistance in the lab.

## LANGUAGE LAB

The objective of Language lab is developing the communicative skills of the Students and engaging them in interesting language learning processes. Unlike the ambiance of traditional classroom, here the student uses various texts, videos, and audios to learn language quickly.

## THE LIBRARY & READING HALL

The Institute has a computerised central library with Web OPAC facility which has been established with the objective of supporting academic and research programs of the students. The library is centrally located, easily accessible and remains open all days of the week. The library has a collection of over 5000 volumes in different subjects, 7 national and international technical journals and other periodicals, magazines and dailies (Regional-3, English-2). The major thrust areas of the library collection are Education, technical, management, language teaching, literature of Bengali and English. The library also has a sizeable collection of materials in History, Cultural Studies and Religion and houses reports, pamphlets, articles, audio and video-cassettes collected from sources in India. The library also has a separate text book and reference book sections which is at par with prescribed course.

### READING ROOM AND BOOK BANK:

Library has a well-furnished reading hall and provides Audio-visual learning aids, internet facility and photocopying facility as well. Alongside students are given all their books including reference books from the Institution/Library.

## MATHEMATICS LAB

To enable the students to explore a wide range of mathematical concepts by using the right equipment, we have set up our mathematics lab. The laboratory allows student to set up mathematical experiment for the purpose of discovering some mathematical principles, patterns or process. More involvement in the laboratory work helps in satisfying the creative and constructive urges of the students.

## MUSIC LAB

Our motto is to provide all round education to our students. So apart from regular study we also encourage our students to engage in various arts and culture form. The music lab with several musical instruments and qualified trainer provides scope of showcasing and practicing our student's cultural talent.

## SOCIAL SCIENCE LAB

The college has a well-equipped social science room cum laboratory. It is well equipped with advanced equipment, apparatus and materials required for the subject, which helps in creating and maintaining a much-needed congenial atmosphere for effective learning. The permanent display of important maps and globes, pictures and charts and constant reference to them by teaching is sure to make the teachers of social studies effective, lively and interesting.

## ART AND CRAFT RESOURCE CENTER

The art & craft resource center is aesthetically decorated which has all the material and apparatus to cultivate aesthetic value in our students. Students have the liberty to explore and nourish their creativity here. They are provided with ample opportunity to experiment and express themselves. A wide range of ideas, materials, textures, colors and form are taught here.



## HEALTH AND PHYSICAL EDUCATION LAB

We aim to generate overall wellness among the students by encouraging them to participate in different sports and exercises. So, We have set up Health and Physical Education lab.

## EDUCATIONAL LAB

The Institute provides educational lab with all kinds of teaching aids with a capacity of accommodating 50 students at a time.







# COLLEGE FOR TEACHER EDUCATION

Recognised by **NCTE**, Govt. of India, and Govt. of W.B.  
Affiliated to **WBBPE**, West Bengal

► Course Offered : **D.El.Ed.**

► Eligibility : Passed Class 12 in any stream

With the same motto of GASPTTI to spread education from the grassroot level and with the increasing demand of the society "College For Teacher Education" was established in the year 2012.

We strive to impart practical knowledge of teaching profession to our students with due care and scientific process with a hope that the same will be delivered to their little pupils in their professional life.

The combination of nature and contemporary infrastructure makes the campus more enthralling to the students. The Campus is situated in Chandrakona, Paschim Medinipur in a serene lush green ambiance but along with a state-of-the-art infrastructure, best faculties, latest technology and a well-stocked modern library. Nevertheless, what has made it stands out is its constant effort for Excellence in terms of latest course content which is brought through extensive research & brain storming. Hence, it is expected that Individuals with immense urge for self-development can nourish and sharpen their intellect, creativity, co-curricular activity and thus upraise their overall personality which is very crucial in providing basic education to the future citizens of the country.

## MISSION

- ✓ To create generations of quality human being who can help in developing a better world.

## VISION

- ✓ To create teachers within natural learners. It moulds the students into their desired form not only as an established teacher but also as a good human being.
- ✓ To provide updated knowledge-inputs and practical support to our students in order to build their confidence level high which helps them to cope up in today's competitive environment.

## APPROVAL & AFFILIATION

Affiliated to **West Bengal Board of Primary Education**  
vide affiliation no. **673/affil/BPE/2020 dt. 20.07.2020.**

Approved by **NCTE** (National Council for Teacher Education)  
vide order no. **ERC/7-138.6.18/NCTE/D.El.Ed/2012/13271DT 13.08.2012**

## SALIENT FEATURES OF THE INSTITUTIONS

## Approval & Affiliation



## ACADEMIC

We at **CTE** have been relentlessly putting our efforts to create great teachers over the years so that teachers not only teach the children; they make the children excited about the learning. To make that possible Institutes keep a low student teacher ratio so that every child receives proper attention and thus teachers' accomplishments turn into achievements. To keep the under privileged section of the society in the same pace we follow The Government Regulations on reservation for SC, ST and OBC.

## TRAINING

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## EDUCATIONAL LAB

The Institute provides educational lab with all kinds of teaching aids with a capacity of accommodating 50 students at a time.

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## MATHEMATICS LAB

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## ART AND CRAFT RESOURCE CENTER

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## MUSIC LAB

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## HEALTH & PHYSICAL EDUCATION LAB

We aim to generate overall wellness among the students by encouraging them to participate in different sports and exercises. So, we have set up Health and Physical Education lab.

## SCIENCE LAB

It would be rare to find any education course without a substantial component of laboratory activity. So we arranged for a modernized, well equipped and well maintained lab with all required facilities for our students for their experiments and work. It is observed that students should have full guidance and assistance in the lab.

## LANGUAGE LAB

The objective of Language lab is developing the communicative skills of the Students and engaging them in interesting language learning processes. Unlike the ambiance of traditional classroom, here the student uses various texts, videos, and audios to learn language quickly.



## THE LIBRARY & READING HALL

The Institute has a computerised central library with Web OPAC facility which has been established with the objective of supporting academic and research programs of the students. The library is centrally located, easily accessible and remains open all days of the week. The library has a collection of over 5000 volumes in different subjects, 7 national and international technical journals and other periodicals, magazines and dailies (Regional-3, English-2). The major thrust areas of the library collection are Education, technical, management, language teaching, literature of Bengali and English. The library also has a sizeable collection of materials in History, Cultural Studies and Religion and houses reports, pamphlets, articles, audio and video-cassettes collected from sources in India. The library also has a separate text book and reference book sections which is at par with prescribed course.

## READING ROOM & BOOK BANK

Library has a well-furnished reading hall and provides Audio-visual learning aids, internet facility and photocopying facility as well. Alongside students are given all their books including reference books from the Institution/Library.







# ANINDITA COLLEGE FOR TEACHER EDUCATION

Recognised by **NCTE**, Govt. of India, and Govt. of W. B.  
Affiliated to **BSAEU** (WBUTTEPA) & **CSU**, West Bengal

►► Course Offered : **B.Ed. & Prak Shastri**

►► Eligibility : **B.Ed.** : Bachelors' & above in any stream  
with minimum 50% marks

**Prak Shastri** : Secondary examination of a recognised  
Education Board subject to passing the oral test in Sanskrit.

ACTE, the most popular B.Ed college in Paschim Medinipur was established in 2014, with an aspiration to broaden the aura of edification by delivering quality education to the pupils. The pristine green location, ideal infrastructure, adept teaching professionals and all the required amenities are provided to make learning an easy and interesting to the students. Our main aphorism is to develop the level of intellect and brilliance, which in turn will eventually contribute to raise the overall social strata.

The institute is affiliated to **Baba Saheb Ambedkar Education University (BSAEU)** West Bengal, (Formerly known as **WBUTTEPA**), Central Sanskrit University (**CSU**), and recognised by National Council for Teacher Education (**NCTE**).

## ACADEMIC

The eminent historian and academic Henry B Adams once said, "A Teacher affects Eternity; he can never tell where his influence stops". With the aim to cater that never ending influence, we at ACTE offers an outstanding learning environment for students by providing state of the art Infrastructure in pristine green ambiance, modern facilities, well organized E-library, latest course curriculum and teaching methodology. All these are designed, in view of its commitment to achieve excellence in the field of Education by providing excellent trained teachers.

ACTE focuses on development of its students not only by imparting quality education in teacher training but also in instilling a sense of self worth and discipline. Students get opportunities to participate in numerous co-curricular activities on and off the campus, to realize their true worth and potential.

Nevertheless, to keep the under privileged section of the society in the same pace we follow The Government Regulations on reservation for SC, ST and OBC.

## MISSION

- ✓ To provide experience-based learning for multifaceted development
- ✓ To contribute to national development through teacher education
- ✓ To foster innovative and responsible integration of technology in education
- ✓ To instill the spirit of inquiry through research

## APPROVAL & AFFILIATION

Affiliated to **Baba Saheb Ambedkar Education University (BSAEU)** West Bengal  
(Formerly known as **WBUTTEPA**)

vide affiliation no. **WBUTTEPA/AFFL/B.ED/2017/16014 dt. 22.11.2018**

Approved by **NCTE** (National Council for Teacher Education)

vide order no. **ERC/7-168.6.12/NCTE/B.Ed/2014/24333 dt. 03.03.2014**

PRAK SHASTRI : Affiliated to **Central Sanskrit University**

**16-1/CSU/Acd/ACFTE/Aff/2024/427 Dt. 11.06.2024**

## VISION

- ✓ To emerge as a centre of excellence in teacher education

## SALIENT FEATURES OF THE INSTITUTIONS

## Approval & Affiliation



## INFRASTRUCTURE

The institute offers a pristine serene green ambiance for the students to enjoy their study with a fresh mind yet offers a state of the art infrastructure to have all the modern facilities to get themselves at par with the global education.

## COMPUTER LAB

The Institute provides has a highly sophisticated computer lab which has housed 50 computers equipped with all latest Softwares and Internet connectivity to make the students proficient in wide range of computer applications and also can be updated of current affairs which in turn prepares them for the competitive world.

## EDUCATIONAL LAB

The Institute provides educational lab with all kinds of teaching aids with a capacity of accommodating 50 students at a time.





## SOCIAL SCIENCE LAB

The college has a well equipped social science room cum laboratory. It is well equipped with latest equipment, apparatus and materials required for the subject. Social science lab acts as an activity room for pupil-teachers as it combines academic experience with worldly knowledge, making learning effective, lively and fun. This lab provides students various options to learn better and to increase their cognitive and cooperative learning. They learn to investigate how social science is embedded in our everyday lives.

## MATHEMATICS LAB

To enable the students to explore a wide range of mathematical concepts by using the right equipment, we have set up our mathematics lab. The laboratory approach allows student to set up mathematical experiment for the purpose of discovering some mathematical principles, patterns or process. More involvement in the laboratory work helps in satisfying the creative and constructive urges of the students.

## ART AND CRAFT RESOURCE CENTER

The art & craft resource centre is aesthetically decorated which has all the material and instrument to cultivate aesthetic value in our students. Students have the liberty to explore and nourish their creativity here. They are provided with ample opportunity to experiment and express themselves. A wide range of ideas, materials, textures, colors and form are taught here

## MUSIC LAB

Our motto is to provide all round education to our students. So apart from regular study we also encourage our students to engage in various arts and culture form. The music lab with several musical instruments and qualified trainer provides scope of showcasing and practicing our student's cultural talent.

## HEALTH & PHYSICAL EDUCATION LAB

We aim to generate overall wellness among the students by encouraging them to participate in different sports and exercises. So, we have set up Health and Physical Education lab.

## SCIENCE LAB

It would be rare to find any education course without a substantial component of laboratory activity. So we arranged for a modernized, well equipped and well maintained lab Science lab equipment allows students to interact directly with the data gathered. They get a first-hand learning experience by performing various experiments on their own. Students are made to use the models and understand different scientific theories and concepts

## LANGUAGE LAB

The objective of Language lab is developing the communicative skills of the Students and engaging them in interesting language learning processes. Unlike the ambiance of traditional classroom, here the student uses various texts, videos, and audios to learn language quickly.

## THE LIBRARY & READING HALL

The Institute has a computerised central library with Web OPAC facility which has been established with the objective of supporting academic and research programs of the students. The library is centrally located, easily accessible and remains open all days of the week. The library has a collection of over 5000 volumes in different subjects, 7 national and international technical journals and other periodicals, magazines and dailies (Regional-3, English-2). The major thrust areas of the library collection are Education, technical, management, language teaching, literature of Bengali and English. The library also has a sizeable collection of materials in History, Cultural Studies and Religion. The library also has a separate text book and reference book sections which is at par with prescribed course.

It has a well-furnished reading hall and provides Audio- visual learning aids, internet facility and photocopying facility, Book Bank facility as well.



## SCHOOLS FOR PRACTICE TEACHING IS DONE

1. BHADUTOLA BIBEKANANDA UCCJHATARA HIGH SCHOOL
2. GODAPIASAL CHARUBALA VALIKA VIDYALAYA
3. NANDARIYA SHASTRI SMRITI VIDYAPITH
4. KHAIRULLACHAK NETAJI BIDYAMANDIR
5. TANTIGARIA SCHOOL
6. SALBONI HIGH SCHOOL
7. ANANDAPUR BOYS HIGH SCHOOL
8. SARADA VIDYAMANDIR
9. PIRAKATA HIGH SCHOOL
10. TEGHARI HIGH SCHOOL







# BENGAL COLLEGE OF TEACHER EDUCATION

Recognised by **NCTE**, Govt. of India, and Govt. of W. B.,  
Affiliated to **BSAEU** (WBUTTEPA) & **CSU**, West Bengal

» Course Offered : **M.Ed., B.Ed. & Prak Shastri**

» Eligibility : **B.Ed.** : Bachelors' & above in any stream  
with minimum 50% marks, **M.Ed.** : Graduation with 50% marks

**Prak Shastri** : Secondary examination of a recognised  
Education Board subject to passing the oral test in Sanskrit.

BCTE, renowned in Paschim Medinipur and one of the most reputed B.Ed colleges in West Bengal, promoted by Gopsai Avinandan Sangha, was established in 2007 with a firm commitment to foster a holistic approach to facilitate and promote studies and research in emerging areas of Education. & having and aim to achieve excellence in the Educational field towards development of Education in the era of globalisation.

Later in 2018, BCTE was offered with a new feather in its crown in the form of Master of Teacher Education (M.ED). The institute is affiliated to **Baba Saheb Ambedkar Education University (BSAEU)** West Bengal (Formerly known as **WBUTTEPA**), Central Sanskrit University (**CSU**), and recognised by national Council for Teacher Education (**NCTE**).

## ACADEMIC

The outstanding educator of the world Mary Hatwood Futrell once said," Whenthe untapped potential of a student meets the liberating art of a teacher, a miracle unfolds." With the aim to unfold that miracle we at BCTE offers an outstanding learning environment for students by providing state of the art Infrastructure in pristine green ambiance, modern facilities, well organized E-library, latest course curriculum and teaching methodology. All these are designed, in view of its commitment to achieve excellence in the field of Education by providing excellent accomplished teachers.

BCTE focuses on development of its students not only by imparting quality education in teacher training but also in instilling a sense of self worth and discipline. Students would get opportunities to participate in numerous co-curricular activities on and off the campus, to realize their true worth and potential.

Nevertheless, to keep the under privileged section of the society in the same pace we follow The Government Regulations on reservation for SC, ST and OBC.

## MISSION

- ✓ Bengal College for Teacher Education aspires to transform and transfigure the students to be empowered teachers who engage teaching as a service and a sacrifice to save the learner from the darkness of evil and lead towards the light of wisdom.

## APPROVAL & AFFILIATION

Affiliated to **Baba Saheb Ambedkar Education University (BSAEU)** West Bengal (Formerly known as **WBUTTEPA**),  
vide affiliation no. **WBUTTEPA/AFFL/B.ED/2017/16001**  
**dt.18.07.2019.**

Approved by **NCTE** (National Council for Teacher Education)  
vide order no. **APE00752ERC/7-76.6(1).4/2007/8170** dt.  
**04.06.2007**

PRAK SHASTRI : Affiliated to **Central Sanskrit University**  
**16-1/CSU/Acd/BCTOE/Aff/2024/808** Dt.19.07.2024

## VISION

- ✓ To equip the prospective teachers to become responsible citizens who are physically healthy, emotionally intelligent, personally effective, socially responsible, aesthetically sensitive, who have character, commitment and courage with global consciousness and local connectedness.
- ✓ To motivate student teachers to become transformative teachers who demonstrate faith in their thought, wisdom in words, courage in deeds and service as a symbol of their life.
- ✓ To mould the self to fully functioning personalities who integrate cognitive and affective talents in the classrooms to make learning a pleasant experience for the learners.
- ✓ To extend the teacher education services to the community for the well-being of the society
- ✓ To explore the educational scenario to supplement, support and intervene in the educational sphere to make it more effective.

## SALIENT FEATURES OF THE INSTITUTIONS

## Approval & Affiliation



## INFRASTRUCTURE

The institute is situated on 60 acres of sprawling green area and has 400000 sq ft built up area. The ambiance is as serene as Shantiniketan. At the same time the institute offers state of the art facilities.

## COMPUTER LAB

The Institute provides has a highly sophisticated computer lab which has housed 30 computers equipped with all latest Software and Internet connectivity to make the students proficient in wide range of computer applications and also can be updated of current affairs which in turn prepares them for the competitive world.

## EDUCATIONAL LAB

The Institute provides educational lab with all kinds of teaching aids with a capacity of accommodating 50 students at a time.





SOCIAL SCIENCE LAB

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It has a well-furnished reading hall and provides Audio- visual learning aids, internet facility and photocopying facility, Book Bank facility as well.



SCHOOLS FOR PRACTICE TEACHING IS DONE

- |                                       |                                    |
|---------------------------------------|------------------------------------|
| 1. KHIRPAI DOCTOR S.K.BARMAN          | 9. CHANDRAKONA JIRAT HIGH SCHOOL   |
| 2. MEMORIAL HIGH SCHOOL               | 10. MALLESWARPUR SARADA VIDYAPITH  |
| 3. RADHANAGAR DINAMOYEE VIDYAMANDIR   | 11. BRAMHAJHARUL R.C HIGH SCHOOL   |
| 4. RAMJIBANPUR BABULAL INSTITUTION    | 12. BIRSINGHA VIDYASAGAR BALIKA    |
| 5. DEGREE SANATORIUM HIGH SCHOOL      | 13. VIDYAPITH SRINAGAR HIGH SCHOOL |
| 6. KANCHDAHARI GUIADAH HIGH           | 14. RAMJIBANPUR BALIKA VIDYAPITH   |
| 7. MADRASAH KUAPUR HIGH SCHOOL        | 15. RANIOR KSHUDIRAM JR HIGH       |
| 8. CHANDRAKONA ISLAMIYA HIGH MADRASAH | 16. SCHOOL MAHESHPUR HIGH SCHOOL   |
|                                       | 17. GOLAR SUSHILA VIDYAPITH        |





## EXCELLENT MODEL COLLEGE FOR TEACHER EDUCATION

Recognised by **NCTE**, Govt. of India, and Govt. of W. B.  
Affiliated to **BSAEU** (WBUTTEPA), West Bengal

» Course Offered : **B.Ed.**

» Eligibility : **B.Ed.** : Bachelors' & above in any stream  
with minimum 50% marks

Excellent Model college for teacher education legitimises its name as it has already been recognised as an emerging centre of excellence in teacher education. It started its journey back in the year 2014 with the aim of providing an integral and personalised training of future teachers through Integral Pedagogy – Context, Experience, Reflection, Action and Evaluation. The college has successfully been striving to prepare well motivated teachers who will be intellectually competent, morally upright, socially committed and spiritually inspired.

The institute is affiliated to **Baba Saheb Ambedkar Education University (BSAEU)** West Bengal, (Formerly known as **WBUTTEPA**), Central Sanskrit University (**CSU**), and recognised by national Council for Teacher Education (**NCTE**).

### ACADEMIC

The popular proverb rightly explains a Teacher, "Teachers who love teaching teach children to love learning". At EMCTE we focus on the fact that every student loves his/her future students so that they can spread the love for learning through them. Hence, here we offer an exceptional learning environment for students by providing state of the art Infrastructure in pristine green ambiance, modern facilities, well organized E-library, latest course curriculum and teaching methodology. All these are designed, in view of its commitment to achieve excellence in the field of Education by providing excellent accomplished teachers.

EMCTE has a team of highly qualified, experienced and dedicated faculty who devote their time not only to teaching but also for the overall development of the students. Further, faculty from other renowned institutions are invited to deliver guest lectures to help augment their studies beyond syllabus.

Nevertheless, to keep the under privileged section of the society in the same pace we follow The Government Regulations on reservation for SC, ST and OBC.

### VISION

- ✓ The vision of EMCTE is to transform and transfigure the students to be empowered teachers who would imbibe teaching as a service and to guide the learner students to come out from the darkness of illiteracy and lead towards the light of wisdom.

### APPROVAL & AFFILIATION

Affiliated to **Baba Saheb Ambedkar Education University (BSAEU)** West Bengal (Formerly known as **WBUTTEPA**), vide affiliation no. **WBUTTEPA/AFFL/B.ED/2017/1 6011 DT. 22.11.2018**

Approved by **NCTE** (National Council for Teacher Education) vide order no. **ER-181.6.39/ERCAPP1525/B.ED/2015/30691 DT. 01.03.2015**

### MISSION

- ✓ To equip the prospective teachers to become engaged citizens who are physically healthy, emotionally intelligent, personally effective, socially responsible, aesthetically sensitive, who have character, commitment and courage with global consciousness and local connectedness.
- ✓ To motivate student teachers to become transformative teachers who demonstrate faith in their thought, wisdom in words, courage in deeds and service as a symbol of their life.
- ✓ To mould the self to fully functioning personalities who integrate cognitive and affective talents in the classrooms to make learning a pleasant experience for the learners.
- ✓ To extend the teacher education services to the community for the well-being of the society
- ✓ To explore the educational scenario to supplement, support and intervene in the educational sphere to make it more effective.

### SALIENT FEATURES OF THE INSTITUTIONS

### Approval & Affiliation



### INFRASTRUCTURE

The institute offers a pristine serene green ambiance for the students to enjoy their study with a fresh mind yet offers a state of the art infrastructure to have all the modern facilities to get themselves at par with the global education.

### COMPUTER LAB

The Institute provides has a highly sophisticated computer lab which has housed 50 computers equipped with all latest Softwares and Internet connectivity to make the students proficient in wide range of computer applications and also can be updated of current affairs which in turn prepares them for the competitive world.

### EDUCATIONAL LAB

The Institute provides educational lab with all kinds of teaching aids with a capacity of accommodating 50 students at a time.





## SOCIAL SCIENCE LAB

The college has a well equipped social science room cum laboratory. It is well equipped with equipment, apparatus and materials required for the subject. Social science lab acts as an activity room for pupil-teachers as it combines academic experience with worldly knowledge, making learning effective, lively and fun. This lab provides students various options to learn better and to increase their cognitive and cooperative learning. They learn to investigate how social science is embedded in our everyday lives.

## MATHEMATICS LAB

To enable the students to explore a wide range of mathematical concepts by using the latest equipment, we have set up our mathematics lab. The laboratory approach allows student to set up mathematical experiment for the purpose of discovering some mathematical principles, patterns or process. More involvement in the laboratory work helps in satisfying the creative and constructive urges of the students.

## ART AND CRAFT RESOURCE CENTER

The art & craft resource centre is aesthetically decorated which has all the material and apparatus to cultivate aesthetic value in our students. Students have the liberty to explore and nourish their creativity here. They are provided with ample opportunity to experiment and express themselves. A wide range of ideas, materials, textures, colors and form are taught here

## MUSIC LAB

Our motto is to provide all round education to our students. So apart from regular study we also encourage our students to engage in various arts and culture form. The music lab with several musical instruments and qualified trainer provides scope of showcasing and practicing our student's cultural talent.

## HEALTH & PHYSICAL EDUCATION LAB

We aim to generate overall wellness among the students by encouraging them to participate in different sports and exercises. So, we have set up Health and Physical Education lab.

## SCIENCE LAB

It would be rare to find any educational course without a substantial component of laboratory activity. So we arranged for a modernized and well equipped and well maintained lab Science lab equipment allows students to interact directly with the data gathered. They get a first-hand learning experience by performing various experiments on their own. Students are made to use the models and understand different scientific theories and concepts.



## LANGUAGE LAB

The objective of Language lab is developing the communicative skills of the Students and engaging them in interesting language learning processes. Unlike the ambiance of traditional classroom, here the student uses various texts, videos, and audios to learn language quickly.

## THE LIBRARY & READING HALL

The Institute has a computerised central library with Web OPAC facility which has been established with the objective of supporting academic and research programs of the students. The library is centrally located, easily accessible and remains open all days of the week. The library has a collection of over 5000 volumes in different subjects, 7 national and international technical journals and other periodicals, magazines and dailies (Regional-3, English-2). The major thrust areas of the library collection are Education, technical, management, language teaching, literature of Bengali and English. The library also has a sizeable collection of materials in History, Cultural Studies and Religion. The library also has a separate text book and reference book sections which is at par with prescribed course.

It has a well-furnished reading hall and provides Audio- visual learning aids, internet facility and photocopying facility, Book Bank facility as well.

## SCHOOLS FOR PRACTICE TEACHING IS DONE

1. SALBONI HIGH SCHOOL
2. RATHIPUR BARODA BANIPITH
3. SUKNATORE JR HIGH SCHOOL
4. JALSORA RAMKRISHNA VIDYAPITH
5. TATARPUR HIGH SCHOOL
6. BHUTA D.A.V HIGH SCHOOL
7. PALASH CHABRI NIGAMANANDA HIGH SCHOOL(H.S)
8. RASKUNDU HIGH SCHOOL
9. RAJBANDH PANCHAGRAMI HIGH SCHOOL
10. BIRSINGHA BHAGABATI VIDYAPITH







# INSTITUTE FOR TEACHER EDUCATION

Recognised by **NCTE** Govt. of India, and Govt. of W.B.  
& Affiliated to **BSAEU** (WBUTTEPA), West Bengal

» Course Offered : **B.ED**

» Eligibility : **B.Ed.** : Bachelors' & above in any stream  
with minimum 50% marks

ITE, one of the best B.Ed colleges in Eastern India, located in Paschim Medinipur, West Bengal and a well sought place for the aspiring future teachers, started its journey under the umbrella of Gopsai Avinandan Sangha in the year 2014 with a commitment to create and deliver competent teachers to the society who are humane, collaborative and multicultural in their outlook. We, at ITE promote value driven education system, which is noteworthy for shaping a student's future in the best possible manner. With this view the college provides the state-of-the-art infrastructure, well organised library though being situated amidst lot of greeneries, at a pocket size fees.

## ACADEMIC

The famous quote of the eminent Greek Writer Nikos Kazantzakis wonderfully described a teacher, "True teachers are those who use themselves as bridges over which they invite their students to cross; then, having facilitated their crossing, joyfully collapse, encouraging them to create their own." With this vision of offering the society great teachers to the society we at ITE offers a distinguished learning environment for students by providing state of the art Infrastructure in pristine green ambiance, modern facilities, well organized E-library, latest course curriculum and teaching methodology. All these are designed, in view of its commitment to achieve excellence in the field of Education by providing excellent trained teachers.

Not only these, we at ITE believe that developing social skill and maintaining a disciplined life are also of huge significance and hence we promise and promote value driven education system, which is noteworthy for shaping a student's future in the best possible manner.

Nevertheless, to keep the under privileged section of the society in the same pace we follow The Government Regulations on reservation for SC, ST and OBC.

## VISION

- ✓ ITE aspires to be a well-recognised premier institution that offers to the society globally competent teachers who are humane, collaborative and multicultural in their outlook.

## APPROVAL & AFFILIATION

Affiliated to **Baba Saheb Ambedkar Education University (BSAEU)** West Bengal (Formerly known as **WBUTTEPA**), vide affiliation no. **WBUTTEPA/AFFL/B.ED/2017/1 6012 DT. 22.11.2018.**

Approved by **NCTE** (National Council for Teacher Education) vide order no. **ERC/7-170.6.77/NCTE/B.Ed/2014/24332 dt. 03.03.2014**

## MISSION

- ✓ To develop an understanding of academic content at a higher level by weaving interdisciplinary themes into core subjects.
- ✓ To develop Learning and Innovation skills among students and teachers.
- ✓ To equip teachers and students with research driven instructional practices.
- ✓ To foster life skills and work place skills among students and teachers.
- ✓ To empower teachers and students with knowledge, skills and attitude required to create inclusive and multicultural learning environments.
- ✓ To instill among the students and teachers the civic virtues and the spirit of giving back to the society multifold.

## SALIENT FEATURES OF THE INSTITUTIONS

## Approval & Affiliation



## INFRASTRUCTURE

The institute is situated on 60 acres of sprawling green area and has 400000 sq ft built up area. The ambiance is as serene as Shantiniketan. At the same time the institute offers state of the art facilities.

## COMPUTER LAB

The Institute provides has a highly sophisticated computer lab which has housed 50 computers equipped with all latest Softwares and Internet connectivity to make the students proficient in wide range of computer applications and also can be updated of current affairs which in turn prepares them for the competitive world.

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9. BIRSINGHA BHAGABATI VIDYAPITH







# INSTITUTE OF SCIENCE & TECHNOLOGY

www.istonline.org.in



## WHY INSTITUTE OF SCIENCE & TECHNOLOGY ?

It's an absolutely pertinent question.

History says that Bengal had played a pioneering role in the development of modern education system in India. The Western model of education came to India through Bengal only. As regards to engineering education, the British rulers were set up four engineering colleges in four corners of India. Out of that one was in West Bengal which was founded way back in 1856 but these had very limited enrolment capacity. Later following the partition of Bengal in 1906 the National Council of Education was set up in Bengal and this was converted into Jadavpur University in 1955. But at the same time population in our country also started growing rapidly, that demanded infrastructural growth as well. Sam Pitroda, Scientific Advisor to the Prime minister, once said "We have the workforce of the world, not just for India." At the same time It was estimated by the UNO that the requirement of engineers in the world by the end of 2015 will exceed one lakh.

It was the demand of the era. That was the time the 1st Self-financed Engineering College of Paschim Medinipur was established by Gopsai Avinandan Sangha in 2005 with the aspiration of spreading technical education amongst the socially and economically under-privileged yet brilliant youths of remote village of specially Paschim Medinipur and Jangal Mahal who could be a part of that global demand. It's our pride that IST has contributed to the social and educational and thus economical growth of the locality. With the progress of time IST has been enriched with students of all over West Bengal and neighbouring states.

## ABOUT US

**Institute of Science & Technology (IST)** was the first private sector initiative in Engineering and Management education in Paschim Medinipur & Jangal Mahal by Gopsai Avinandan Sangha. The sole aim was to serve the socially down trodden yet brilliant talents by imparting value based quality education.

This institute is situated in a pristine location at Chandrakona Town of Paschim Medinipur, West Bengal. This place has a historical value as well as it is the birthplace of Pt. Iswarchandra Vidyasagar, the great educator and Social reformer. No Bengali students perhaps could grow up without hand holding of him. IST happily offers quite a spacious green campus with all modern facilities which creates a perfect ambiance for students to study. Apart from that all necessary things are available within close proximity to college.

IST is committed to achieve excellence in technical education and research and assesses the success of its programs using the highest standards of quality, innovation and visibility. The core values of discipline, integrity and trust, holistic learning, ethics and professionalism, and concern for society & environment are all closely interwoven into the fibre of our academic programs. So, IST one of the most preferred destinations for the students from neighbouring states and across the state which could be attributed to the quality education, infrastructure, healthy teaching-learning practices as well as producing industry ready students. The College strives to develop technical, professional skills and individual values in its students that help to create foundation for their success.

Speaking about faculty, the institute believes that the quality of faculty members and their commitment to excellence is the core competence towards its development; hence the college has always attracted the cream of the crop. Its current team of faculty is no different. They are well qualified, meritorious, experienced and highly dedicated. The classrooms and labs of the college are best-in-class, well equipped and sophisticated. The labs and curriculum are regularly upgraded in order to stay advanced. IST insists on group discussion. Interactive study session, role plays, presentations, case studies and strategy implementation session are held as part of the future engineers' everyday work schedule.

Apart from this, the institute is always in search for the latest technology and provides latest global standard study materials and the latest computer software for analyzing & solving problems, from various renowned institutions such as IIT Kharagpur, IIM, Joka.

IST is not just an engineering or management college; this is also a sense of commitment and dedication towards society of the founder of Gopsai Avinandan Sangha who also has devoted his aspiration, knowledge, resource and expertise in delivering quality in various streams like management, paramedical & allied health science, Teachers' Education and various engineering and technology discipline to make these emerged as a center of excellence.

The college is approved by the **AICTE**, New Delhi and currently affiliated to the **MAKAUT & WBSCTVESD**. The College was offering ITI to M.Tech, BCA, BBA, BHM & MHA programme under a single umbrella till 2023. From 2024 all the Management courses started its new journey with **Institute of Science & Technology Management (ISTM)**.





MISSION

- ✔ To be a student centric institute imbibing experiential, innovative and lifelong learning skills, addressing societal problems.
- ✔ To produce creative and technically strong engineers and to research pioneering solutions to global challenges.
- ✔ To achieve excellence in application-oriented research in selected areas of technology to contribute to the development of the region and the nation.
- ✔ For create the opportunities to the students and faculty members to enhance their skills to interact with industry and globalize the opportunities by arranging guest lectures, seminars, conferences, symposium and workshops and thus enable them to mingle and exchange views with intelligentsia and elite of the society.
- ✔ To inculcate entrepreneurial attitude and values amongst Learners.
- ✔ To mentor aspiring Institutions to unleash their potential, towards nation building.

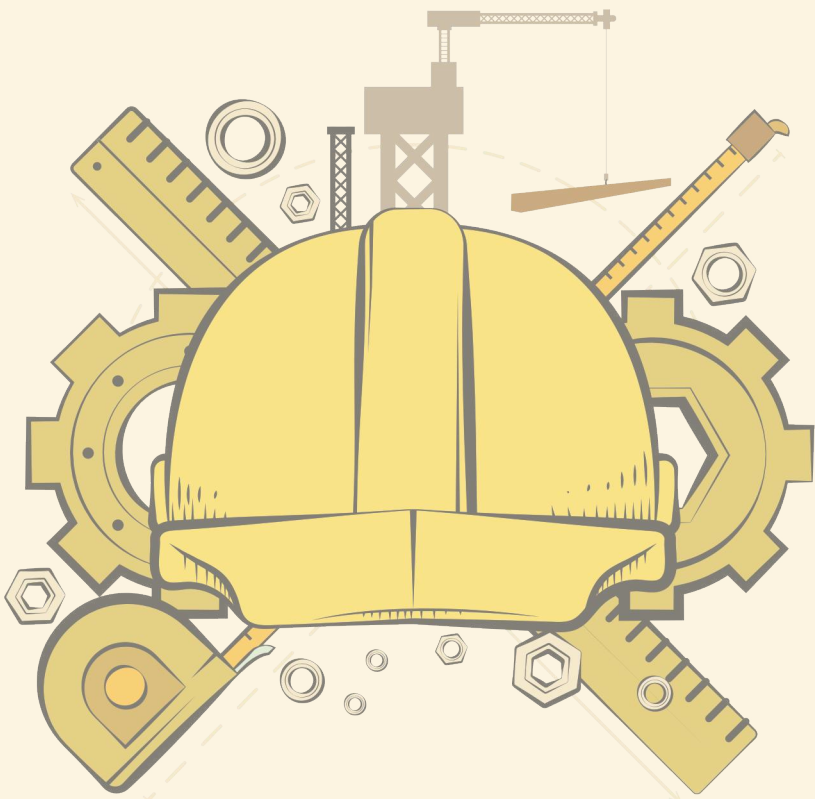
VISION

To Accomplish Excellence in the field of Technical Education through Education, Research and Service needs of society and thus promoting prosperity of mankind by augmenting Human Resource Capital through Quality Technical Education & Training.



GOVERNING BODY

Dr. Pravas Ghosh	Honourable Founder Chairman
Dr. Pradip Ghosh	Honourable Founder Director
Smt. Anindita Ghosh	Honourable Founder Secretary
CS Arijit Ghosh	Member
Dr. Pranali Ghosh	Member
Nominee of Dept. of Higher Education, Govt. of West Bengal	Vacant
Nominee of West Bengal State Council of Technical Education, Govt. of West Bengal	Member
Prof. Biswajit Debnath, Nominee of Director of Tech. Education, Govt. of West Bengal Ex-Officio	Member
Regional Officer, Nominee of AICTE, ERO	Member





## FROM THE DESK OF THE CHAIRMAN

Greetings and a very warm welcome to IST.

In this era of Globalisation of education, the obvious focus is on the quality of education. There is no single yardstick of quality. A good educational institution strives continuously for sustenance and enhancement of quality in every field of its activity and so do we.

A nation's real and sustainable growth is possible with technological advancement and development of its human resource. The role of engineers, be it in areas like construction, mechanical, electrical or software assumes so much more importance. Modern technology has made the world a level playing field. With globalisation, engineers should be able to perform in a larger environment and are expected face challenges & find solutions in any given situation. Thus, they have a greater scope to exhibit their skills. The key to meet the demand for such quality engineers remains in providing holistic engineering education.

To meet these challenges, IST offers best engineering programmes and benchmarked with the leading educational institutions in the Country. Ever since its inception, IST has focused on augmenting human resource by producing world-class engineers. Well qualified & experienced faculty and committed staff are eager to provide effective education to students. The Institution regularly augments its academic/para-academics facilities. To align with the curricula and excellent faculty, we offer state-of-the-art infrastructure and laboratories. Spacious green campus, well equipped library and peaceful atmosphere ensures that learning becomes a wonderful experience.

As the Chairman of the college, I assure you that you will be provided with several opportunities to learn, explore, pursue study and achieve your goal comfortably.

I wish you all the best.



► **Dr. Pravas Ghosh**  
Honourable Founder Chairman

“**Mr. Pravas Ghosh is the founder Secretary of Gopsai Avinandan Sangha.** He is a pioneer in spreading quality and job-oriented Education in the remote areas of today's Paschim Medinipur, specially Jangal Mahal and his efforts have been proved to be fruitful while transforming the lives of many youngsters of the district, state and neighbouring states. A man known for his vision, Mr. Ghosh has been serving the field of education for last 22 years. He has successfully ventured into the area of Teachers' Education, Technical education, Pharmacy Education, Paramedical & Allied Health Sciences & research since the inception. His dream of exploring several other areas of education that will enrich the lives of people is on the verge of coming true as well. Needless to mention that his efforts will contribute more in overall enhancement of lives of people and thus socio-economic statuesque of the state.

”

## FROM THE DESK OF THE SECRETARY

Dear Student,

Welcome to Institute of Science & Technology (IST)

The transition from school to college is a very big step in life. You have put in so much hard work in your public exams, spent sleepless nights, earned a rewarding score, and with the blessings of your parent/guardian you have joined your chosen stream of education to realize your life-ambition and set the foundation for your future. By choosing to create a future for yourself from our institution means that we, the teachers and management at IST are also responsible for your successful graduation and growth. You will cherish every day at your college, right from day one, you will feel welcomed by all of us here – your seniors, your new professors, and members of administration you will get to interact with. What's more the energetic environment will have you charged up to achieve your dream with confidence like never before. I assure you, you are home.

It is your career path that you have now embarked upon, which will be a remarkable journey in itself that will prepare you for a life beyond college. We hope to make your journey with us, engaging, encouraging and enlivening as ever, for you to grow as a thorough individual, ready to take on life as an adult. We pray and will work with you to see you become one with the society where your contribution will make a definitive difference to our world. The commitment from us begins from day one – to work with you and walk with you through each day all through the years you will spend here which is your home away from home. As I mentioned earlier, the learned staff and the ever accessible management is there to guide you through your path and help you nurture your dreams and fulfill them – by empowering you to realize your true potential. Be it studies, sports or any extracurricular activities, you don't just graduate with a degree and a certificate – but become a graduate of life and a true citizen of the world of tomorrow.



► **Smt. Anindita Ghosh**  
Honourable Founder Secretary



## FROM THE DESK OF THE DIRECTOR

In the competitive world of today survival is not just a matter of qualification but one of the qualifications with competence. A better survivor is one with better competency and qualifications. The thrust is specialization, creating a niche by one's ability, skill, qualification and competency. There are so many institutions in our country. All of them strive to add some value in an individual's life. The "Institute of Science & Technology (IST)" has been initiated with vision of enabling the youth of this country to have a purposeful vision, mission and goal.

I always think betterment of the institution and to shape the institute as a centre of Excellence for higher studies and researches in Science, Technology, Engineering and Management, particularly in emerging areas.

As a Director of this college, I can assure you that the college will provide all the assistance to you for pursuing your goals. It is with this purpose that the college has initiated measures not just to encourage students to pursue their education purposeful but also to provide additional competency through educating them in the respective field.

I hope the students who step into this Institution would use the facilities available and attain their goals. I wish you all the best.



➤ **Dr. Pradip Ghosh**  
Honourable Founder Director

## FROM THE DESK OF THE PRINCIPAL

Welcome to **Institute of Science and Technology (IST)**, an institution committed to academic excellence, innovation, and holistic development. As the Principal of this esteemed institution, I am delighted to extend my warm greetings to you and share a brief insight into what makes our college unique.

IST, established in the year 2005 and it grown in leaps and bounds over the last 19 Years and has become a centre of excellence in Engineering education. We strive to create an environment that fosters intellectual curiosity, creative thinking, and ethical values. Our academic programs are designed not only to provide the knowledge and skills required in today's competitive world but also to nurture well-rounded individuals who are ready to contribute meaningfully to society. We are proud to be an AICTE-approved institution, which reflects our commitment to maintaining the highest standards in education.

Our experienced and dedicated faculty members are committed to guiding students through their academic journeys while encouraging personal growth and leadership. We believe in the power of collaboration, hands-on learning, and the importance of staying connected to the ever-evolving landscape of technology and industry.

In addition to academics, we offer a wide range of extracurricular activities that promote cultural exchange, sportsmanship, and teamwork. Our focus on student development ensures that each individual is equipped with the skills and confidence to face the challenges of tomorrow.

I invite you to explore the opportunities that **Institute of Science and Technology (IST)**, has to offer. Together, we will strive for excellence and work towards shaping a brighter future for each one of you. Your journey here will be one of discovery, growth, and success.

We look forward to welcoming you to our vibrant and dynamic campus!

I wish all the best for the Institution.



➤ **Dr. Karunamoy Bhattacharya**  
Principal

“Enthusiasm & commitment to teaching are undeniable characteristics of IST's faculty. From Engineers to scientists and management specialists, they will spark your curiosity, challenge you to grow and inspire to achieve your dreams”



## APPROVAL-AFFILIATION



### BBA, BCA, HM(H)

- Affiliated to **MAKAUT** (formerly WBUT) vide NO. 182/IC/ Affiliation/2005, dated 10.09.2005

### MHA

- Affiliated to MAKAUT (formerly WBUT) vide NO. 182-WBUT/ Affiliation/2012, dated 25.06.2012

### ITI

- Affiliated to DGT/NCVT, New Delhi, vide NO. DGT-6/25/22/2016-TC, dated 07.10.2016

### Diploma in EE

- Approved by AICTE & Affiliated to WBSCTVESD vide NO. 1062-SC(T)E, dated 19.10.2010

### DIPLOMA IN ETCE & CST

- Approved by AICTE vide NO. ERO/AICTE/WB/ET/008/2010-11/5720-25, dated 02.08.2010 & Affiliated to WBSCTVESD

### DIPLOMA in CE

- Approved by AICTE & Affiliated to WBSCTVESD vide NO. 1920-SC(T)E, dated 30.07.2012

### DIPLOMA in ME

- Approved by AICTE & Affiliated to WBSCTVESD vide NO. 2619-SC(t)E, dated 30.07.2012

### B.Tech - CSE, ECE, AEIE, IT

- Approved by AICTE vide NO. 06/02/WB/ENGG/2005/01, dated 17.08.2006
- Affiliated to MAKAUT (formerly WBUT) vide NO. 548/regs/Affil/2006, dated 21.08.2009

### B.Tech – CE

- Approved by AICTE vide NO. Eastern/ 1-8421826/2010/EOA, dated 23.08.2010 & Affiliated to MAKAUT (formerly WBUT) vide NO. 182-ENGG/Affiliation/2010, dated 26.11.2010

### B.Tech – EEE

- Approved by AICTE & Affiliated to MAKAUT (formerly WBUT) vide NO. 182-(AICTE)/IC/Affiliation/2009, dated 30.06.2009

### B.Tech - ME

- Approved by AICTE & Affiliated to MAKAUT (formerly WBUT) vide NO. 182-ENGG/Affiliated/2011, dated 30.08.2011

### M.Tech – CE, ECE

- Approved by AICTE vide NO. F.NO. Eastern/ 1-723819002/2012/EOA, dated 10.05.2012 & Affiliated to MAKAUT (formerly WBUT) vide NO. 182/M.Tech/Affiliation/2012-13, dated 09.07.2012

### M.Tech – CSE

- Approved by AICTE vide NO. Eastern/ 1-434125110/2011/EOA, dated 01.02.2011 & Affiliated to MAKAUT (formerly WBUT) vide NO. 182/M.Tech/Affiliation/2012-13, dated 09.07.2012

### M.Tech – ME & EE

- Approved by AICTE vide NO. Eastern/ 1-434125110/2011/EOA, dated 01.02.2011 & Affiliated to MAKAUT (formerly WBUT) vide NO. 182/M.Tech/Affiliation/2017-18 – 15.05.2017

## SALIENT FEATURES OF IST

- ✓ State of the art infrastructure amidst lush green serenity of 60 acres.
- ✓ An institute with proclaimed objectives and learner-centered approach that in turn would produce competent Engineers to meet the professional requirements of future.
- ✓ Highly adept faculties who instil avidity for learning amongst the students.
- ✓ Effective collaboration with several Industries, corporates that enables the students to receive hands on knowledge.
- ✓ Encouraging and promoting research activities untiringly.
- ✓ Career Planning & Guidance Cell established to align the academic efforts with the emerging industry trends.
- ✓ Advanced equipment including universal testing machine, tri-axial shear tester, loading frame with accessories, ultrasonic concrete tester, torsion testing machine, vibration equipment and total station.
- ✓ It has modern sophisticated laboratories like DIGITAL Signal processing lab, Microprocessor and Micro controller lab, VLSI and EDA lab, DIGITAL Signal processing lab to name a few.
- ✓ Engineering Chemistry Lab contains Chemical instruments like pipette, burette, separating funnel, thermometer, Viscometer, Digital electronic balance, Centrifuge machine, Vibrator machine, Digital PH meter, Digital conductivity meter, Hot air oven, Water bath etc.
- ✓ Engineering Physics Laboratory contains a variety of equipment for conducting experiments related to mechanics, electricity, optics, and other areas of physics, including items like: power supplies, voltmeters, ammeters, resistors, capacitors, inductors, optical benches, lenses, prisms, magnets, pendulums, measuring tapes, calipers, a cathode ray oscilloscope (CRO), a function generator, a spectrometer, and various setups for specific experiments like Young's double slit, interference, diffraction, and Hall effect measurements etc.
- ✓ Central Library with vast repository of knowledge replete with over 5000 volumes of books, subscription of national and international journals, e-journals, membership of national Digital Library
- ✓ State of art computer laboratories.
- ✓ Book Bank facilities.
- ✓ Student centric teaching and learning with emphasis on holistic development through curricular and extra-curricular and social activities.
- ✓ Ragging free campus which allows students to concentrate only on academic well being.
- ✓ Facilitating scholarship for students.
- ✓ 24X7 security surveillance all through the campus.








# CAREER PROSPECTS OF ENGINEERING STUDENTS

Engineering is a broad subject which splits into their respective disciplines. Today's World is absolutely technology driven so the careers open to engineering graduates are wide and varied; they may wish to choose the career most relevant to their engineering specialization and related skills. There is a constant development of new technologies which also means that there's a constant demand for brilliant tech minds who can create, maintain, and fix both gadgets and code. According to the US Bureau of Labour Statistics, here will be a 13% increase in Computer Science jobs by 2026. Engineering offers strong career prospects with high demand across industries like technology, healthcare, construction, and energy. Professionals enjoy diverse roles, competitive salaries, and opportunities for growth, innovation, and global mobility. Specialisations like AI, renewable energy, and robotics after B.Tech are seeing particularly rapid expansion.

## One can explore his/her career in the respective fields like

- |  |  |  |
|--|--|--|
| ✓ Civil Engineer   | ✓ Test and Integration Engineer          | ✓ Computer Systems Analyst             |
| ✓ Structural Engineer  | ✓ Maintenance Engineer                   | ✓ Database Administrator               |
| ✓ Design Engineer  | ✓ Software Developer                     | ✓ Computer Network Architect           |
| ✓ Mechanical Engineer  | ✓ CAD Technician                         | ✓ Quality Manager                      |
| ✓ Electrical engineer  | ✓ Scientific research and development    | ✓ Data processing and hosting Engineer |
| ✓ Electronics Engineer   | ✓ Technical Writer                       | ✓ Information Security Analyst         |
| ✓ Electronics design and Development Engineer  | ✓ Electronics and Communication Engineer | ✓ Control and Instrumentation Engineer |
| ✓ Engineers can opt for most prestigious jobs in I.E.S (Indian Engineering Service) through UPSC | ✓ System Control Engineer                | ✓ Quality Control Engineer             |
|  | ✓ Data Scientist/Analytics               | ✓ Robotic Engineer                     |

and many more ...

What is common for all the students of IST is Entrepreneurship. Anyone has the zeal of being own boss and create job opportunities for others is considered to be of absolute importance to us. Hence, management of IST dreamt of creating a Start-up fund to promote their students who also dare to dream and create start-ups.





**Engineering** is an extensive subject and with so many types of engineering to choose from, it can be difficult to narrow down which one is for you. To help you to decide, you should try and identify what you're passionate about. What gets you excited, and what do you spend your free time on? All types of engineering include some form of problem-solving (and generally focus on making life easier), but what engineering-related solution gives you the biggest buzz? If you choose a subject you're naturally interested in, you'll find it easier to stay motivated during your course and stay involved with the subject whilst pursuing an engineering career. Here's a rundown of the various branches of engineering, to help you decide which one could be for you.



## B.TECH

TYPE OF COURSE	COURSE NAME	DURATION	STREAM
UG	B.TECH 1ST YEAR	4 YEARS	B.TECH IN CIVIL ENGINEERING
UG	B.TECH 1ST YEAR	4 YEARS	B.TECH IN MECHANICAL ENGINEERING
UG	B.TECH 1ST YEAR	4 YEARS	B.TECH IN ELECTRICAL ENGINEERING
UG	B.TECH 1ST YEAR	4 YEARS	B.TECH IN ELECTRICAL & ELECTRONICS ENGINEERING
UG	B.TECH 1ST YEAR	4 YEARS	B.TECH IN ELECTRONICS AND COMMUNICATION ENGINEERING
UG	B.TECH 1ST YEAR	4 YEARS	B.TECH IN APPLIED ELECTRONICS AND INSTRUMENTATION ENGINEERING
UG	B.TECH 1ST YEAR	4 YEARS	B.TECH IN COMPUTER SCIENCE & ENGINEERING
UG	B.TECH 1ST YEAR	4 YEARS	B.TECH IN INFORMATION TECHNOLOGY
UG	B.TECH 2ND YEAR (Lateral Entry)	3 YEARS	B.TECH IN CIVIL ENGINEERING
UG	B.TECH 2ND YEAR (Lateral Entry)	3 YEARS	B.TECH IN MECHANICAL ENGINEERING
UG	B.TECH 2ND YEAR (Lateral Entry)	3 YEARS	B.TECH IN ELECTRICAL ENGINEERING
UG	B.TECH 2ND YEAR (Lateral Entry)	3 YEARS	B.TECH IN ELECTRICAL & ELECTRONICS ENGINEERING
UG	B.TECH 2ND YEAR (Lateral Entry)	3 YEARS	B.TECH IN ELECTRONICS AND COMMUNICATION ENGINEERING
UG	B.TECH 2ND YEAR (Lateral Entry)	3 YEARS	B.TECH IN APPLIED ELECTRONICS AND INSTRUMENTATION ENGINEERING
UG	B.TECH 2ND YEAR (Lateral Entry)	3 YEARS	B.TECH IN COMPUTER SCIENCE & ENGINEERING
UG	B.TECH 2ND YEAR (Lateral Entry)	3 YEARS	B.TECH IN INFORMATION TECHNOLOGY



## M.TECH

TYPE OF COURSE	COURSE NAME	DURATION	STREAM
PG	M.TECH	2 YEARS	M.Tech in Electrical Machine & Drives
PG	M.TECH	2 YEARS	M.Tech in Microelectronics & VLSI Technology
PG	M.TECH	2 YEARS	M.Tech in Structural Engineering
PG	M.TECH	2 YEARS	M.Tech in Mechanical Engineering Design
PG	M.TECH	2 YEARS	M.Tech in Computer Science & Engineering





## DEPARTMENT OF ITI & DIPLOMA



Industrial Training Institute

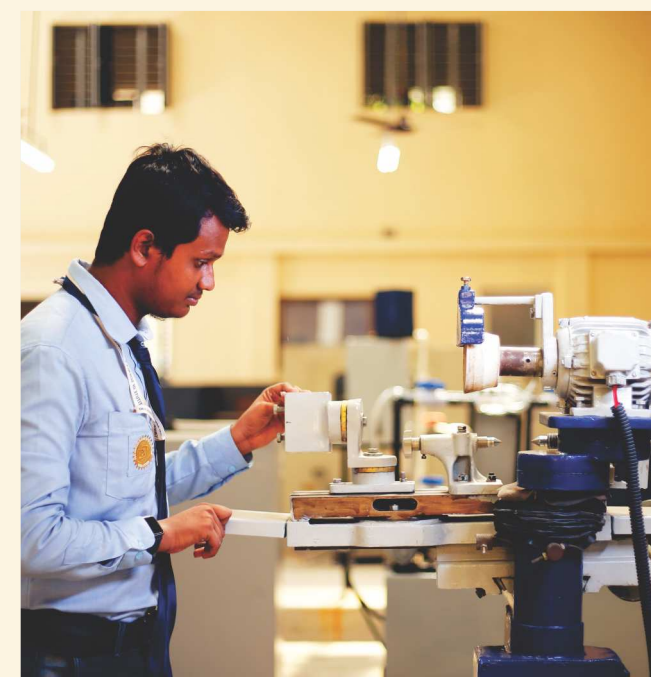
ITI stands for Industrial Training Institutes and are designed to provide vocational training and practical skills in various technical and industrial fields like ) courses provide vocational training in various technical fields like electrician, welder, plumber, and fitter. These courses focus on hands-on learning, preparing students for a career in industries like manufacturing, construction, electronics, electrical work, and more. This course duration is of 2 years and require 10th grade qualification.

### Career Opportunities :

With the rapid growth of sectors like construction, electrical, automotive, and electronics, the demand for skilled workers is always high. They are in high demand in abroad as well. Many government departments and public sector undertakings (PSUs) recruit ITI graduates for various technical roles. After completing an ITI course, one can also pursue further education like diploma courses, B.Tech, M.Tech.



TYPE OF COURSE	COURSE NAME	DURATION	STREAM
ITI	ITI	2 YEARS	FITTER
ITI	ITI	2 YEARS	ELECTRICIAN
DIPLOMA	DIPLOMA 1ST YEAR	3 YEARS	CIVIL ENGINEERING
DIPLOMA	DIPLOMA 1ST YEAR	3 YEARS	MECHANICAL ENGINEERING
DIPLOMA	DIPLOMA 1ST YEAR	3 YEARS	ELECTRICAL ENGINEERING
DIPLOMA	DIPLOMA 1ST YEAR	3 YEARS	COMPUTER SCIENCE & TECHNOLOGY
DIPLOMA	DIPLOMA 1ST YEAR	3 YEARS	ELECTRONICS & TELECOMMUNICATION ENGINEERING
DIPLOMA	DIPLOMA 2ND YEAR (VOCLET)	2 YEARS	CIVIL ENGINEERING
DIPLOMA	DIPLOMA 2ND YEAR (VOCLET)	2 YEARS	MECHANICAL ENGINEERING
DIPLOMA	DIPLOMA 2ND YEAR (VOCLET)	2 YEARS	ELECTRICAL ENGINEERING
DIPLOMA	DIPLOMA 2ND YEAR (VOCLET)	2 YEARS	COMPUTER SCIENCE & TECHNOLOGY
DIPLOMA	DIPLOMA 2ND YEAR (VOCLET)	2 YEARS	ELECTRONICS & TELECOMMUNICATION ENGINEERING



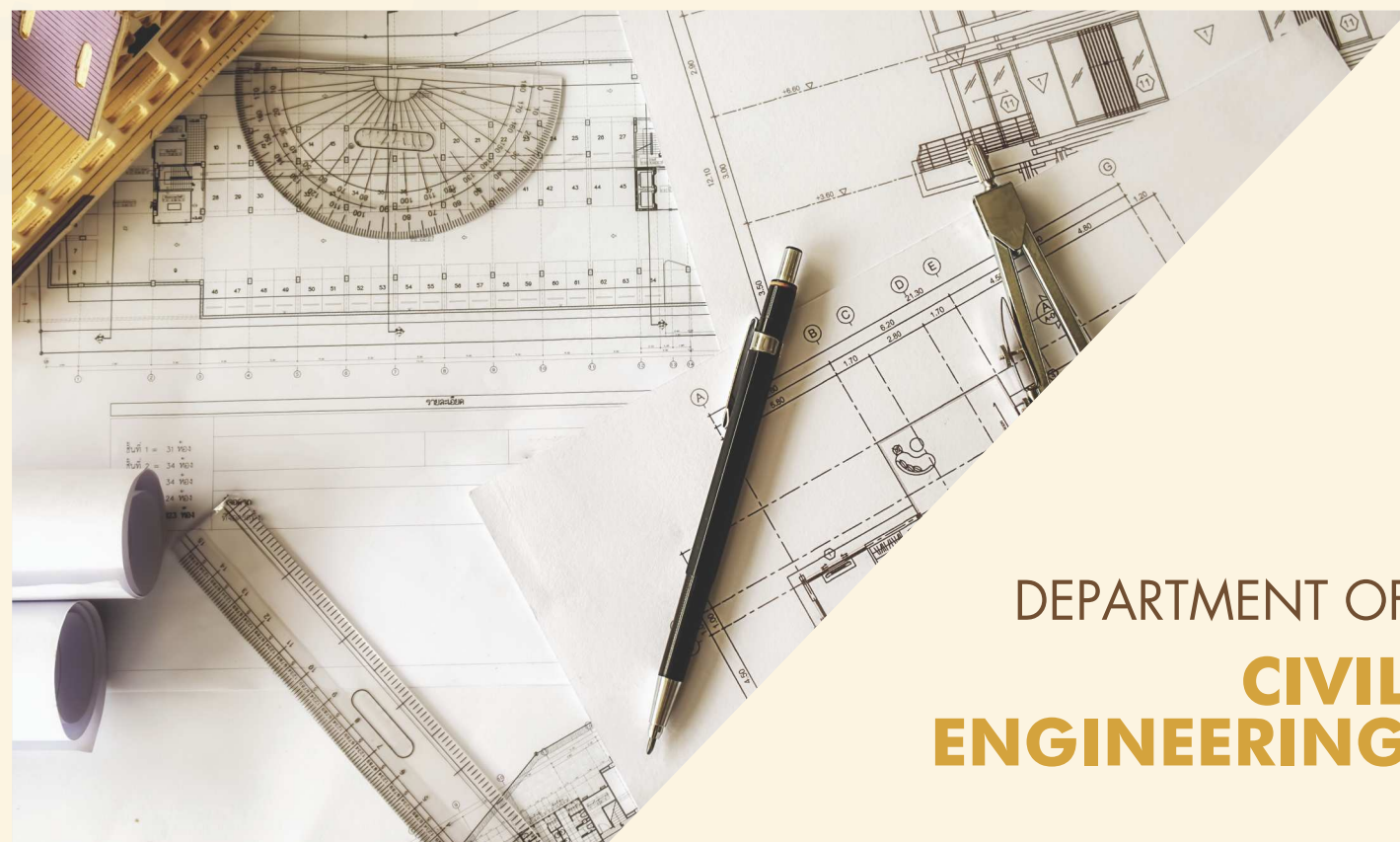
## DIPLOMA IN ENGINEERING

A Diploma in Engineering is a technical program with a duration of 3 years, designed to provide students with fundamental knowledge and practical skills in various engineering disciplines, such as Mechanical, Civil, Electrical, Electronics, Computer Science & Technology. It is often pursued after completing class 10th school or class 12th with pure science combination

### Career Opportunities :

A Diploma in Engineering have a wide range of career opportunities in industries such as construction, manufacturing, technology, and automotive. Diploma Engineers play a crucial role in supporting engineers and overseeing the practical aspects of engineering projects. The course can also serve as a stepping stone for higher education, such as pursuing a B. Tech in Engineering through lateral entry into the second year and then M. Tech.





## DEPARTMENT OF CIVIL ENGINEERING

### Course Intake

**M. TECH**  
*Structural Engineering : 18*

**B.TECH**  
*Civil Engineering : 120*

**DIPLOMA**  
*Civil Engineering : 180*

The Department of Civil Engineering pulls out all stops to create outstanding Engineers with advanced teaching techniques and learning aids for undergraduate students and state of the art research facilities for postgraduate students and doctoral candidates. Students are not only made expert in technical aspects but also in interpersonal skills, a vital ingredient in the fast-paced world.

### FACULTY

The department has a lot of qualified and experienced faculty members. They are specialized in Structural, Geotechnical, Environmental, Water resource, Transportation, Surveying and Construction Engineering as well as management, remote sensing and GIS. The faculty members contribute to academic development by publishing books and presenting papers for international and national conferences. The labs are equipped with state of the art equipment including universal testing machine, tri-axial shear tester, loading frame with accessories, ultrasonic concrete tester, torsion testing machine, vibration equipment and total station. The computer centre of the department uses special purpose commercial software packages like GTSTRUDL, STAADPRO, AUTOCARD, PRIMAVERA, ETABS, SKETCHUP etc. The remote sensing and GIS laboratory is equipped with high end software and accessories like ArcGIS9.1, MAPInfo, ENVI image processing software, Mirror Stereoscope with stereo pair, 5 satellite data – LISS III, LISS III (PAN+Merged), OCM, SPOT and Landsat.

### ACADEMICS

3 years Diploma, 4 years B.Tech & 2 years M.Tech (structural) program imparts students with mastery in the field of civil engineering besides fluency in mathematics, physics, instrumentation, computers, management and economics, that are essential requirements for any successful civil engineer. Students gain practical experience from field visit to industries, dams and irrigation, big construction sites etc.

## CUTTING-EDGE LABORATORIES & FACILITIES

**STUDENTS HAVE ACCESS TO EVERY FACILITIES IN THE FORM OF 10 WELL EQUIPPED LABS COVERING 12,000 SQ.FT; I.E:**

- ✓ Structures and construction engineering Lab.
- ✓ Computer Lab.
- ✓ Survey Lab.
- ✓ AUTO-CAD Lab.
- ✓ Soil mechanics Lab.
- ✓ Hydraulics and fluid machinery Lab.
- ✓ Strength of materials Lab.
- ✓ Environmental engineering Lab.
- ✓ Remote sensing and GIS Lab.
- ✓ Rural Engineering Lab.



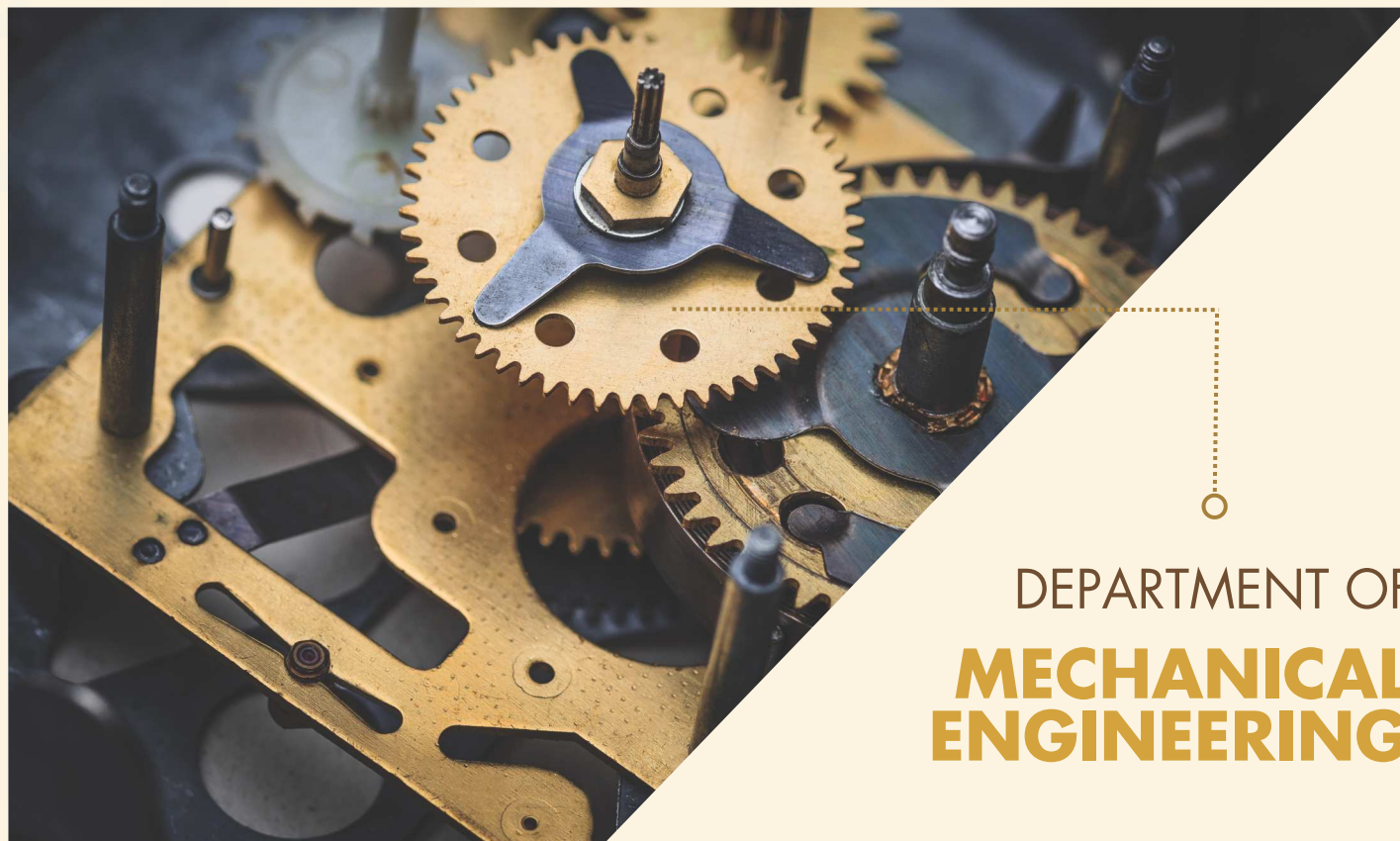
### RESEARCH & CONSULTANCY

The research work at IST includes such domains as innovative interface material, and shear strength of high-strength concrete, recycled aggregates, bio concrete and basalt fibre concrete.

### PROGRAMME OBJECTIVE

- Graduates will be able to competently apply Mathematics, Science and Engineering analysis to the design and analysis engineered solution.
- To competently apply basic experimental techniques to engineering design solutions.
- To competently design engineered solutions.
- Graduates will be competent of skills necessary for professional practice.





## DEPARTMENT OF MECHANICAL ENGINEERING

### Course Intake

#### M. TECH

*Mechanical Engineering : 18*

#### B.TECH

*Mechanical Engineering : 120*

#### DIPLOMA

*Mechanical Engineering : 180*

#### ITI

*Fitter : 63*

Mechanical engineering is an engineering branch that combines engineering physics and mathematics principles with materials science to design, analyse, manufacture, and maintain mechanical systems. It is one of the oldest and broadest of the engineering branches. This stream is the study, design, development, construction, and testing of mechanical and thermal sensors and devices, including tools, engines, and machines. Mechanical engineers work mostly in engineering services, research and development, and manufacturing. They require a solid understanding of Key Concept including mechanic, Kinematics, Energy Thermodynamics and manufacturing. They use this principles in the design and analysis of automobiles, aircraft, heating and cooling systems, buildings and bridges, industrial equipment and machinery and many more.

### ACADEMICS

The 2 Years ITI(Fitter), 3 Years Diploma, 4 Years B.Tech & 2 Years M.Tech Degree In Mechanical Engineering is a well comprehensive program. The goal of the mechanical engineering curriculum is to create a flexible undergraduate educational experience in design, mathematics, modelling, computing, management, engineering science, humanities, social sciences and fine arts. Principal study topics include Fluid Mechanics, Thermodynamics & Heat Transfer, Solid Mechanics, Materials Engineering, Manufacturing Energy System, Dynamic S & Control Computer Aided Design (CAD), Computer Integrated Manufacturing (CIM) and others. This broad and flexible program allows students to customise their programs to meet their objectives and particular career goals. Traditional students can prepare for technological careers in industry, graduate school or management. The more interdisciplinary students can utilise this program as a launching pad for professional careers business or public service.

### FACULTY

The Department has a Team Of Highly Qualified & adept Faculty. Research Activities at the department are progressing in the areas of feature based design, assembly planning, optimization/analysis of Mechanical systems, alternate fuels for IC Engines, air pollution modelling, thermal energy storage, circulating fluidized bed technology. Sheet metal forming and materials technology. About 50 research papers have been published in various international and national conferences / journals in the last few years. Three books from the department have also been published. A proposal to setup an "Alternative energy Research Centre" in association with Queen's university. Canada is at an advanced stage.



### STUDENT HAVE ACCESS TO

- ✓ Mechanical Modelling Software – CATIA, I-DEAS, Solid works : Finite Element Analysis Software ANSYS, LS-DYNA, NASTRN.
- ✓ Mechanical simulation software-U-Grip, Virtual NC, QUEST, LS-DYNAFROM
- ✓ Manufacturing software-SOLIDCAM and CNC Active Learning Lab.

### CUTTING-EDGE LABORATORIES & FACILITIES

The Department of Mechanical Engineering has over 7 Workshops like Carpentry, Welding, Tin SMITY, Black SMITY, Fitting, Plumbing & Machine. There are 15 laboratories including :

- Manufacturing process
- Foundry
- Thermal engineering
- Heat & Mass Transfer
- Dynamics
- Metallurgy
- Metrology
- Fuels & Fluid Mechanics
- Solid Mechanics
- Machining of Machine
- Tools Refrigeration & Control
- IC Engine etc.

Modern computing facilities are available for students at the Computer Aided Design and Computer Integrated Manufacturing Laboratory.

### PROGRAMME OUTCOMES

- An ability to apply knowledge of Mathematics, Science and Engineering.
- An ability to design and conduct experiments, as well to analyze and interpret data.
- An ability to design a system component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacture and sustainability.
- An ability to function on multi-disciplinary teams.
- An ability to identify, formulate & solve Engineering problem.
- An understanding of professional and ethical responsibility.
- An ability to communicate effectively.
- A recognition of the need for and an ability to engage in life-long learning
- A knowledge of contemporary issues : an ability to use the techniques, skills and Modern Engineering tools necessary for Engineering
- The broad education is necessary to understand the impact of Engineering solutions in a global, economic, environmental and societal context.





## DEPARTMENT OF **ELECTRICAL & ELECTRONICS ENGINEERING**

### *Course Intake*

**M. TECH**  
*E.E Engineering : 18*

**B.TECH**  
*E.E Engineering : 60*

**DIPLOMA**  
*E.E Engineering : 120*

**ITI**  
*Electrician : 126*

"Electrical & Electronics Engineering" is a growing and one of the most sought disciplines in the field of engineering study. It comprises with the electrical engineering and electronics engineering. It is originated by the electrical engineering. By the technically modernization of the world and computerization in our work field, it is necessary to use and understand the circuits and computerized devices in electrical & electronic field. In short, Electrical & Electronics Engineering deals with the application & study of Power & Devices. Moreover, EE & EEE is a subject that naturally partners with other disciplines to open whole new engineering avenues. Examples include Mechatronics with Mechanical Engineering, Bio-medical Sciences-with Medicine and Avionics-with Aeronautics. The EE & EEE Department at Institute of Science & Technology (IST) prepares students in this field using new-age information and computer-intensive technologies.

### **ACADEMICS**

2 year ITI, 3 years Diploma & 4 year B.Tech. 2 year M.Tech. program is designed to achieve a balance between depth of knowledge acquired through specialisation and breadth of knowledge gained through exploration. The undergraduate degree courses offered by the department provide a comprehensive foundation in the core topics of EEE coupled with an area of specialization relevant to emerging engineering challenges. The curriculum has been designed to create professional electrical and electronic engineers, who can serve in the fields of core electronic engineering, information and communication systems, and other related fields.

### **FACULTY**

The faculty in the department is a rich blend of personnel with industrial and professional experience. The dedicated staff members have sound knowledge in emerging areas like embedded systems, power electronics application in power systems, expert systems etc. The breadth and depth of the research interests of the academic staff ensure a high standard of lecture courses and provides excellent opportunities for challenging and stimulating final year projects. Individual and lecturers supplement their delivery using blackboards overhead projectors and video projection.

### **CUTTING-EDGE LABORATORIES & FACILITIES**

The EE & EEE Department has eight laboratories with modern equipment supported by special purpose software packages like ETAP, MATLAB, Orcad, Multisim, PSIM and Magnet.

- **Electrical Machines Lab**
- **Instrumentation Lab**
- **Signal Processing & Simulation lab**
- **Electric measurement Lab**
- **High Voltage Lab/Materials Science Lab**
- **Analog & Digital Lab**
- **Network Analysis & Power Electronics Lab**
- **Control System / Switch Gear & Protection Lab**

Students enjoy working in the project laboratories to gain hands-on experience and expertise.



### **RESEARCH WORK**

The research division covers various aspects of electrical engineering. There is an active and growing area of research in the field of power electronics & drives, power apparatus and systems, whilst collaborating with each other and a variety of industrial partners. The research group focuses on power electronic devices and integrated circuits, and their uses in various applications. Other major research strands include FACTS and their integration in power systems, integrated design of electrical machines and drives and electromagnetic modelling.





## DEPARTMENT OF COMPUTER SCIENCE

### Course Intake

**M. TECH**  
C.S Engineering : 18

**M.C.A**  
Masters in Computer  
Application : 60

**B.TECH**  
C.S Engineering : 60

**B.C.A**  
Bachelors' in  
Computer Application

**DIPLOMA**  
In Computer Science  
& Technology : 30

Computer Science Engineering (CSE) is one of the most sought after courses amongst engineering students. It is an academic programme which integrates the field of Computer Engineering and Computer Science. The programme, which emphasises the basics of computer programming and networking, comprises a plethora of topics. Since we live in the digital age and technology is getting upgraded every now and then, the skills which one would be expected to have of a computer science and engineering graduate is the ability to write excellent and meaningful code, a data-minded approach to problem-solving, good networking and network analysis skills, knowledge on how to keep information secure, the architecture of web, design, and analysis of algorithms, knowledge of storage systems, disk management, development of mobile and web-based apps and even machine and deep learning. We at IST are also in a tireless process of getting our curriculum & pedagogy updated keeping pace with the modern day's demand.

### OBJECTIVE OF THE DEPARTMENT

The basic objective of the department is to create the most conducive environment for quality academic and research oriented undergraduate and postgraduate education in computer science and engineering and prepare the students for a globalised technological society and orient them towards serving the society. To empower the students with the required skills to solve the complex technological problems of modern society and also provide them with a framework for promoting collaborative and multidisciplinary activities is also what the CSE department stresses on. CSE Dept. also strive to establish nationally and internationally recognized research centres and expose the students to broad research experience.

### ACTIVITY

Department is always active for the development of the students. Department is providing multiple industry oriented courses like **C++, ASP.NET, JSP, J2ee, VB.NET Core Java Programming, Databases, SQL**, to the students in free of cost.

### EDUSAT/SIT

The faculty in the department is a rich blend of personnel with industrial and professional experience. The dedicated staff members have sound knowledge in emerging areas like embedded systems, power electronics application in power systems, expert systems etc. The breadth and depth of the research interests of the academic staff ensure a high standard of lecture courses and provides excellent opportunities for challenging and stimulating final year projects. Individual and lecturers supplement their delivery using blackboards overhead projectors and video projection.

### PROJECTS

Since there is such a high skill required to be successful in this industry, people often get demotivated or feel highly daunted. However, with enough practice, we believe that even the toughest of the skill could be mastered. There is a pathway through which our students would be able to get new industry-ready skills and even practice the ones they already have. That fabled way is by doing as many major projects for CSE as they can. Projects, especially the complete end-to-end ones, provided the students with a taste of what working in the industry would feel like. Following are some of the areas they do projects.

- ✓ Crime rate Predictions using the K-means algorithm.
- ✓ Detection of brain tumour with the help of image segmentation
- ✓ A battery saver program for Android devices
- ✓ Product review analysis to find the ratings which were given by genuine humans
- ✓ Creating a messenger app that uses the technology of Bluetooth
- ✓ Fingerprint voting system
- ✓ Android task monitoring
- ✓ AI desktop partner
- ✓ E Authentication System

### RESEARCH WORK

Faculties of departments are busy with different research works like :

Efficient file transfer protocol using JAVA.

Ad-hock Network

High performance wireless sensor network.

Geo informational systems, databases, and data mining.

AI & Robotics

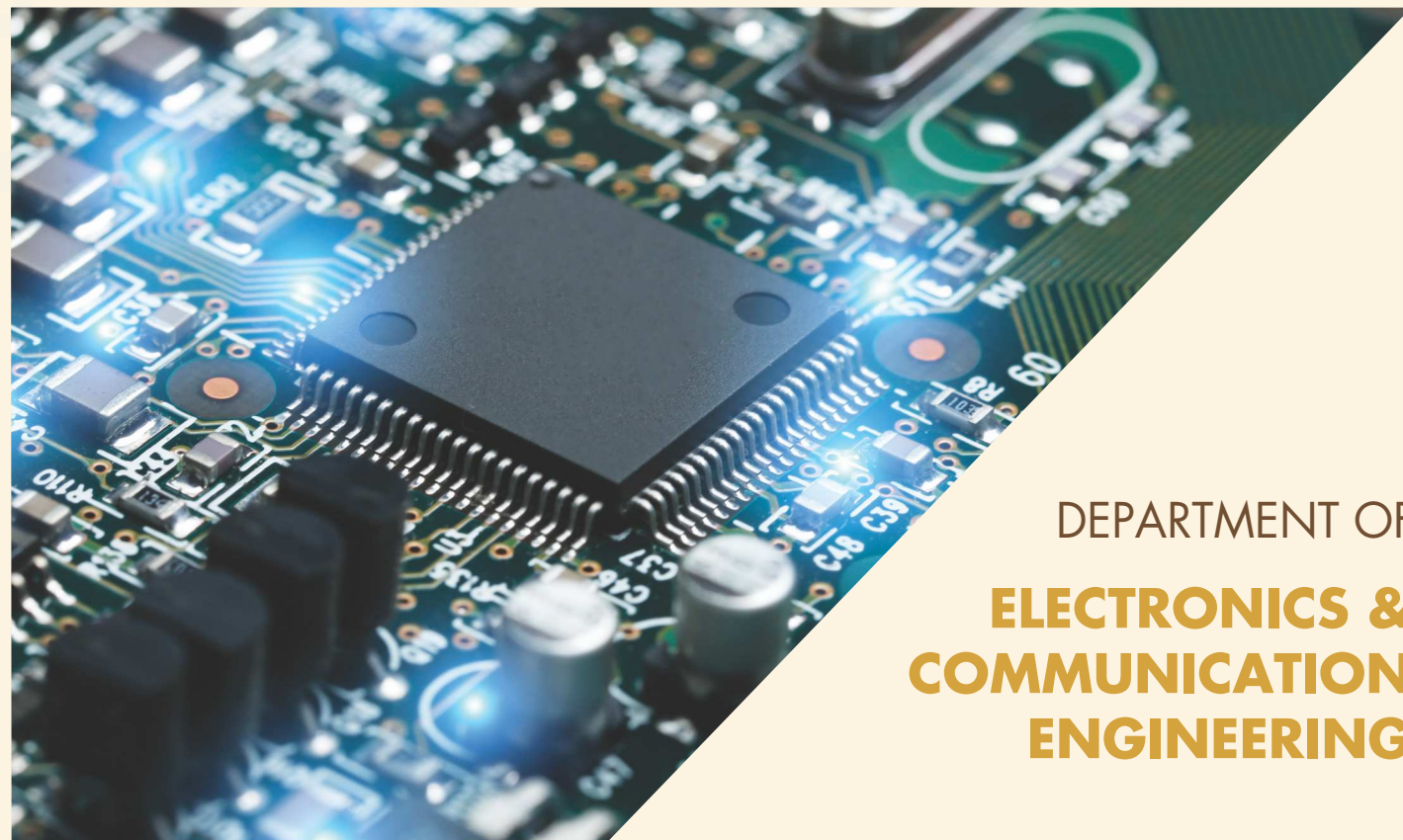
Network Security with elliptic curve cryptography.



### COMPUTER LABORATORIES

- Basic Computing Lab • C++ Lab\
- D Information System Design and Structure Lab
- Numerical Methods & Programming Lab
- Programming Practice Lab
- Object oriented programming Lab
- Operating Systems Lab
- Artificial Intelligence Lab
- Computer Architecture & Organization Lab
- Operations Research Lab
- Database Management System Lab
- Multimedia Technology & application Lab
- Computer Graphics and Multimedia Lab
- Data Communication & Computer Networking Lab
- Internet working Lab
- Visual Programming & Web Technology Lab





## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

### Course Intake

**M. TECH**  
(MVLSI) ECE : 18

**B.TECH**  
ECE : 60

**DIPLOMA**  
ECE : 30

Electronics & Communication Engineering deals with the electronic devices, circuits, communication equipment like transmitter, receiver, integrated circuits (IC). It also deals with basic electronics, analog and digital transmission & reception of data, voice and video (Example AM, FM, DTH), microprocessors, satellite communication, microwave engineering, antennae and wave progression. It aims to deepen the knowledge and skills of the students on the basic concepts and theories that will equip them in their professional work involving analysis, systems implementation, operation, production, and maintenance of the various applications in the field of Electronics and Communications Engineering.

The Electronics & Communication Engineering is one of the advanced departments of this institute. The department is always focused to continue the academic program according to the changing demands of the industry. For this purpose the department keeps a steady contact with different industries. Based on the information provided by the different industries, the department updates its activity and infrastructure and thus supplying talents according to the demand of the industry becomes easy for IST

This highly popular program trains students in broad areas of microelectronics, Embedded system or sac, communication Engineering or Networking, Digital signal processing, Fibre optics & photonics and Medical electronic. With the continuous advancement and technological innovations, Electronics and Electronic communication Engineering are under constant flux, finding applications in all human endeavour. The need of the hour is to keep abreast of the technological advancement happening in developed countries. Our goal is to provide quality education and upto date information to the students, so that they find place in the fast changing projects and gain hands-on experience with the hardware and the software tools. Visits to industry and expert lecture form academia and industry add another dimension to the teaching learning experience.



### LABORATORIES

The laboratories in department of Electronics and Communication Engineering are intended to give practical experience to the students. Laboratories are useful for students to implement the theory in practical aspects and helps student to apply their knowledge of theory for various courses of their course outcomes. ECE is equipped with highly developed hardware and Air Conditioned software labs, that have superior quality and sophisticated equipment and trainer kits that allows students to design, implement and think beyond horizon. ECE finds its application both in hardware and software these days. Most of the experiments are conducted using both hardware and software tools. All the laboratories are equipped with variety of software tools which are necessity of today's industrial requirement.

The department has its own computer laboratory, possessing computers of Intel dual core processors, connected over campus LAN with high speed Internet connection.

Detail of various laboratories and their facilities are as follow:

- **Electronic Devices and Circuits Lab**
- **Integrated Circuits Applications Lab**
- **Antennas and Microwave Engineering Lab**
- **Microprocessors and Microcontrollers Lab**

#### Software Laboratories

Digital Signal Processing/ Embedded Systems /VLSI Design Laboratory

### OBJECTIVE OF THE DEPARTMENT

Faculties of the department are working hard to prepare engineers, proficient to meet the needs of current technological advancements in the field of Electronics and Communication Engineering by establishing a learning environment commensurate with industry standards in academics and research. As a result :

- ✓ Graduates finally possess competency in mathematics, science and engineering fundamentals for solving Electronics and Communication engineering problems along with core engineering knowledge necessary for employment in industries as well as higher studies and research
- ✓ Graduates attain organizing capability, entrepreneur skills and will be a team player in workplace with ethics.
- ✓ Graduates attain capability of performing effectively in multicultural and multidisciplinary environment and they get ready for the corporate careers ahead.

#### ACTIVITY

We are trying to give the industry related studies like PLC, Embedded systems, VLSI and simulation, advance mobile communication techniques, FPGA designs etc.

#### RESEARCH WORK

Faculties of the departments are busy with different research works like : mobile game design by using VERILOG through FPGA, Microcontroller based circuit design, Embedded system design, Advanced Communication technology.







## DEPARTMENT OF **HUMANITIES & APPLIED SCIENCE**

Humanities and Applied Science is dedicated to lay the foundation of a student in the fundamental sciences and basic humanities like Physics, Chemistry, Environmental Studies, and Professional Communication. The well-equipped laboratories and rich curriculum provide ample opportunities to budding engineers to have hands-on experience of laws and facts of science and develop and inculcate scientific attitude among them. The Department of Humanities & Applied Science is there since the time of inception of the college. Though not a core department like engineering subjects, it plays a vital role in shaping and grooming the overall personality of a student. The department accommodates a cluster of subjects ranging from Communicative English to Mechanical Engineering. What makes the department special even not being the core one are:

- ✔ A sapient and skilled plethora of faculty members.
- ✔ Consistent and exceptional academic excellence in terms of results.
- ✔ Mentoring and monitoring of the students for holistic development.

### VISION OF THE DEPARTMENT

In the department we nurture the spirit of leveraging of human capital through the effective use of modern technique which may yield fruitful results to the student. The focus of the department is always on the practical aspect of education which is to unearth the hidden potentiality which is "already within us". So that the student may use the gained knowledge in their day life successfully.

### ACTIVITY

In order to encourage a healthy competition among the students, the department organizes extempore and publishes wall magazine from time to time. Apart from that, the department also organizes seminar/presentation by student/faculty members from outside the institute.

### LABORATORIES

- PHYSICS LAB 1
- CHEMISTRY LAB 1
- LANGUAGE LAB







**IST**, being the **Mother Institution**, fosters **ISTM** for **Management courses**.



## DEPARTMENT OF **MANAGEMENT STUDIES**

Management studies in Institute of Science & Technology used to offer a dynamic and multifaceted approach to understanding how organisations operate, make decisions, and achieve their goals till 2023. This field blends theory with practical application, equipping students with essential skills in leadership, strategy, finance, marketing, and human resources. By exploring both the art and science of management, it prepares individuals to navigate the complexities of a constantly evolving global business environment. With an emphasis on problem-solving, critical thinking, and innovation, management studies empower future leaders to drive organisational success while adapting to emerging challenges and opportunities in the era of technological advancements and market shifts. Finally, Management graduates from are equipped with the skills and insights to not only lead organisations toward success but also contribute to societal and economic development in a constantly evolving landscape.

Complied with new guide lines and approval of AICTE, management courses of Institute of Science & Technology was shifted to a newly emerged college Institute of Science & Technology Management.







ABOUT ISTM

**Institute of Science & Technology Management** is a self-financed college, sponsored by Gopsai Avinandan Sangha (A Society registered under West Bengal Societies Act XVII, 196) has been started in the year 2005 as Institute of Science & Technology with a with the aspiration of spreading technical education amongst the socially and economically underprivileged yet brilliant youths of remote village of specially Paschim Medinipur, Jangal Mahal and also every corner of West Bengal.

It was the global increasing demand of the era that encouraged the management of the IST to introduce MANAGEMENT as a stream in IST in the year 2008. Since then it was affiliated to & approved by Maulana Abul Kalam Azad University of Technology (formerly known as WBUT) and was a part of IST as Non-AICTE courses till the guidelines published by AICTE on 20 th March' 2024.

Through a public notice it was stated "All India Council for Technical Education (AICTE) as per the Provisions of All India Council for Technical Education Act, 1987 (For short, "AICTE Act") as mentioned in its Chapter 2-g Shall Regulate Under Graduate courses in management (BBA/BMS) and computer application (BCA) along with Post Graduate Courses in Management (MBA/MMS) and Computer Applications (MCA) from the A/Y 2024-25. Accordingly, all the Existing Institutes Offering or Intends to Offer UG Courses in Management (BBA/BMS) and Computer applications (BCA) are required to take AICTE Approval from this A/Y 2024-25."

Complied with the above guidelines and approval of AICTE, Institute of Science & Technology Management has emerged as new entity that offers Management and computer application courses named and titled as MCA, BCA, BBA, BHM & MHA. The college is recognized by Department of Higher Education, Govt. of West Bengal and Approved by the AICTE, New Delhi and Affiliated to MAKAUT, WB.



GOVERNING BODY

Dr. Pravas Ghosh	Honourable Founder Chairman
Smt. Anindita Ghosh	Honourable Founder Secretary
Dr. Mithun Das	Principal
CS Arijit Ghosh	Member
Dr. Pranali Ghosh	Member
Nominee of Dept. of Higher Education, Govt. of West Bengal	Vacant
Nominee of West Bengal State Council of Technical Education, Govt. of West Bengal	Member
Prof. Biswajit Debnath, Nominee of Director of Tech. Education, Govt. of West Bengal Ex-Officio	Member
Regional Officer, Nominee of AICTE, ERO	Member

APPROVAL-AFFILIATION

Approved to **AICTE**  
vide no. Eastern /2024-25/1-44332471934 dt. 09-May-2024.

Affiliated to **MAKAUT,WB** (formerly **WBUT**)  
vide no. 321 / AICTE/Affiliation / 2024-25 dt. 02/07/2024,





## FROM THE DESK OF THE CHAIRMAN

**Institute of Science & Technology Management** sponsored by Gopsai Avinandan Sangha has been setup with a mission to develop highly skilled and professional human resource for industry and business. We have created a niche in 20 years in the fields of education with unique pedagogy as accepted by the industry.

Committed to our mission to nurture the skills of business leaders of tomorrow and to enable them to respond with innovations and creativity in diverse management situations, we, at Institute of Science & Technology Management, are obliged to make our students proactive individuals who are persistently adding values to shoulder future responsibilities. Our endeavour to foster, harness and explore the potential of the students with the principles of inculcating educational, social, cultural and spiritual awakening has yielded better employability amongst the students of ISTM.

Our sprawling infrastructure, knowledgeable faculty and world class teaching resources are benchmarked against the best Management colleges in West Bengal and we are constantly striving to bring ISTM at par with the top Business Schools in the country. ISTM on its part facilitates its students in furthering their career objectives by imparting academics through pragmatic approaches so as to ensure a perfect blending of theory and practice. A systematic nurturing of education ensures a head start advantage on the track of success.

Our determination, conviction and perseverance have helped us to keep our roots intact. On the completion of our 20th year of academic excellence of the group we renew our commitment to uplift the standards of education and we welcome all the students to join Institute of Science & Technology Management with high spirits, right focus and vision to excel.



► **Dr. Pravas Ghosh**  
Honourable Founder Chairman

## FROM THE DESK OF THE SECRETARY

The transition from school to college is a very big step in life. You have put in so much hard work in your public exams, spent sleepless nights, earned a rewarding score, and with the blessings of your parent/guardian, you have joined your chosen stream of education to realize the life-ambition of your life and set the foundation for your future.

By choosing to create a future for yourself from our institution means that we, the teachers and management at ISTM, are also responsible for your successful graduation and growth. You will cherish every day at your college. Right from day one, you will feel welcome by all of us here - your seniors, your new professors, and members of the administration. What's more, the energetic environment will have you charged up to achieve your dream with confidence like never before. I assure you; you are home.

It is your career path that you have now embarked upon, which will be a remarkable journey in itself that will prepare you for a life beyond college. We hope to make your journey with us, engaging, encouraging, and enlivening as ever, for you to grow as a thorough individual, ready to take on life as an adult. We pray and will work with you to see you become one with the society where your contribution will make a definitive difference to our world. The commitment from us begins from day one to work with you and walk with you through each day all through the years you will spend here which is your home away from home. As I mentioned earlier, the learned staff and the ever-accessible management are there to guide you through your path and help you nurture your dreams and fulfill them by empowering you to realize your true potential. Be it studies, sports, or any extracurricular activities, you don't just graduate with a degree and a certificate but become a graduate of life and a true citizen of the world of tomorrow.



► **Smt. Anindita Ghosh**  
Honourable Founder Secretary



## FROM THE DESK OF THE PRINCIPAL

**“The purpose of education is to turn mirrors into windows.” —Sydney J. Harris**

Although it's easy to look in on what's happening inside our own bubble, gaining an education helps to shift our perspectives to what's happening beyond. With a window to the world, we're in a better position to see and solve the problems around us.

Education is the key to success. Possessing a degree from a reputed Institution adds on to the opportunities and avenues to excel in life. Making a decision to study at 'Institute of Science and Technology Management', a unit of Gopsai Avinandan Sangha, is the door to a successful destiny ahead.

It is the urge for excellence and the desire to achieve the best that propel us to constantly and consistently assess, evaluate and analyze the past achievements and also set and achieve new and higher standards of excellence in every field. With a supporting management, experienced, dedicated and committed teaching and non-teaching staff, excellent infrastructure and upgraded facilities, the institution has achieved outstanding success and now strives and aspires to be a Centre of Excellence. This calls for continuous engagement with the enhancement of quality parameters and providing and promoting an academic environment that ensures and fosters holistic development of the students and enhances the opportunities of their growth, development and progression to higher levels of learning and employment. I express my sincere and heartfelt thanks to all the stakeholders – teaching and non teaching staff, students and parents who have co-operated and contributed towards the realization of our vision, mission and dreams. Let us enjoin wholeheartedly in the march towards the actualization of our objective and goal to be a Centre of Excellence.

The college welcomes students from various parts of the country respecting the individuality and beliefs of the student and offers opportunities for spiritual, physical as well as interpersonal growth along with a conducive high profile atmosphere for learning. Ours is an echo friendly campus which is spread across 10 acres and houses all the facilities for a well-balanced life and strives for the all-round development of the student.

Selecting an institution which encompasses all the facilities in one campus will make your learning exciting, memorable and enjoyable which is the hinges for a successful destiny. Making a choice to earn your degree from such a prestigious institution will pay you richly. Make the right choice and success will follow you.



➤ **Dr. Mithun Das**  
Principal

## Course Objectives Management Studies

The objective of a Management Studies course is to equip students with essential skills and knowledge to navigate the business world and lead organizations effectively. The course aims to :

### ■ Develop Analytical and Critical Thinking :

Students learn to analyze business problems, make data-driven decisions, and evaluate market trends.

### ■ Understand Organizational Behavior :

The course explores how organizations operate, how people behave within them, and how structure and culture affect performance.

### ■ Build Leadership Skills :

Students gain insights into various leadership styles, team management, and conflict resolution, preparing them for leadership roles.

### ■ Master Strategic Management :

Students learn to develop and implement effective strategies to achieve long-term organizational goals.

### ■ Enhance Communication Skills :

Emphasis is placed on clear, persuasive communication, both written and oral, essential for effective leadership.

### ■ Financial and Operational Management :

The course covers financial analysis, budgeting, and efficient management of business operations.

### ■ Focus on Ethics and Sustainability :

Students are taught the importance of ethical decision-making, corporate social responsibility, and sustainable business practices.

### ■ Encourage Innovation and Entrepreneurship :

The course fosters creativity and entrepreneurship, teaching students to drive innovation within organizations.

### ■ Global Perspective :

It provides an understanding of global business dynamics, cross-cultural management, and international trade. In essence, the course prepares students to become well-rounded professionals capable of leading organizations, solving business problems, and driving success in a global economy.





Management is a critical function for every organisation, and people trained in management play this important role in organizations of every size and type. All students earning their Undergraduate & Post graduate degree in a Management/Business discipline from ISTM get, provided with a strong business foundation. The following learning goals and objectives are in addition to those in the business core learning goals and objectives :

#### ■ PROFESSIONAL DEVELOPMENT :

To develop in the students the ability to acquire knowledge of Management and apply it professionally within realistic & sustainable constraints with due ethical responsibility in specialization wise.

#### ■ CORE PROFICIENCY :

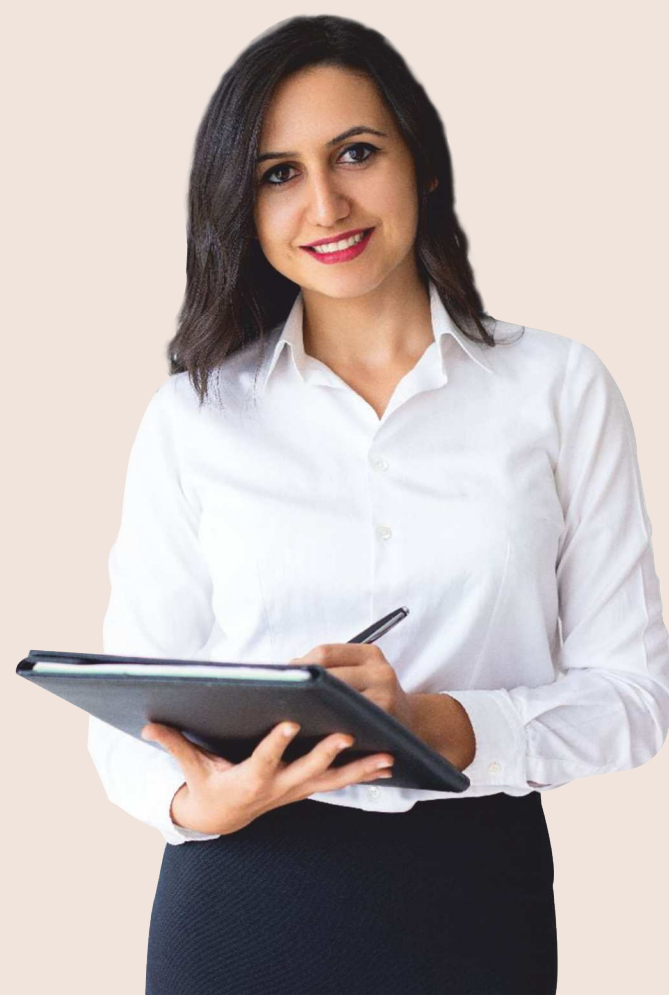
To provide ability to identify, analyze and solve Business problems with hands on experience & knowledge in various streams using modern tools and techniques necessary for professional holistic development to satisfy the needs of society and the industry.

#### ■ TECHNICAL ACCOMPLISHMENTS :

To equip the students with the ability to design, simulate experiment, analyze, optimize and interpret in their core applications through multi-disciplinary concepts and contemporary learning to build them into industry ready managers

#### ■ PROFESSIONALISM :

To provide training, exposure and awareness on importance of soft skills for better career and holistic personality development through professional attitude towards ethical issues, teamwork, responsibility, accountability in the field of Operations, Information technology, Marketing, Finance & Human resources with multi-disciplinary approach and capability for management issues to broader social context.



#### ■ LEARNING ENVIRONMENT :

To provide students with an academic environment and make them aware of excellence, develop the urge of discovery, creativity, inventiveness, leadership, with ethical codes and guidelines and the life-long learning to become a successful professional in Management.

#### ■ SOCIAL RESPONSIVENESS AND ETHICS :

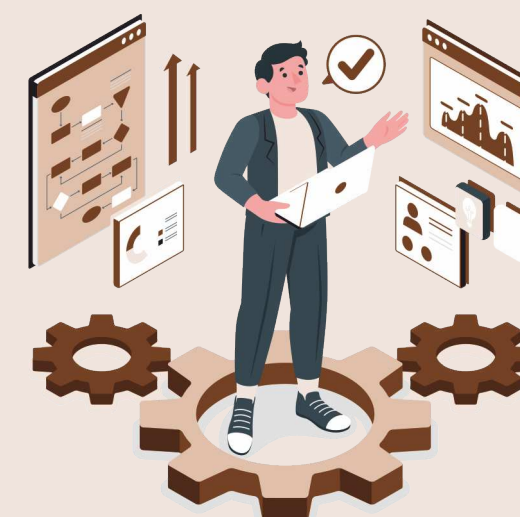
To developing responsiveness to contextual social issues / problems and exploring solutions, understanding business ethics and resolving ethical dilemmas. Graduates are expected to identify the contemporary social problems.

#### ■ EFFECTIVE COMMUNICATION :

Usage of various forms of business communication, supported by effective use of appropriate technology, logical reasoning, articulation of ideas. Graduates are expected to develop effective oral and written communication especially in business applications, with the use of appropriate technology (business presentations, digital communication, social network platforms and so on).

#### ■ LEADERSHIP AND TEAMWORK :

To understanding leadership roles at various levels of the organization and leading teams. Graduates are expected to collaborate and lead teams across organizational boundaries and demonstrate leadership qualities, maximizing the usage of diverse skills of team members in the related context.







## DEPARTMENT OF MANAGEMENT STUDIES

### Course Intake

#### Management (UG)

Bachelor of Business  
Administration (BBA)

4 years

Bachelor of Hospital  
Management (BBA-HM)

4 years

#### Management (PG)

Master in Hospital  
Administration (MHA)

2 years

Master of Computer  
Applications (MCA)

2 years

Management is a set of principles relating to the functions of planning, organizing, directing, controlling and the application of these principles in harnessing physical, financial, human, and informational resources efficiently and effectively to achieve organizational goals. This stream teaches one to understand how people behave in organisations, and the nature of power, influence and leadership.

Whether anyone aim to be self-employed, an entrepreneur, head own company, or to work for private business, not-for-profit organisations or government agencies – Management gives the tools for success! We at IST offer highly sought after 3 Under Graduate courses like Bachelor of Business Administration (BBA), Bachelor of Computer Application (BCA) and Bachelor of Hospital Management (HM) & 2 Post Graduate courses like Master in Computer Application (MCA) and Master in Hospital Administration (MHA). The department is there since the inception of the college. Today, it is our pride that good number of alma mater executives and professionals serving in leadership positions in the best-known organisations in India and some part of the world, in key business functions of Sales, Operations, Human Resources, Consulting, Information Technology, Marketing, and Finance.



### OUR MISSION

To position as the best Business School with transnational recognition in all aspects of management education and produce ethical leaders with functional expertise, promoting sustainable solutions, and an entrepreneurial & innovative perspective to improve their employability exponentially.

### OUR VISION

- To continuously grow as and become fountainhead among the institutes of Management and Computer Application Education in India.
- To offer an academically rigorous, practice and research-supported, management education based on principled and ethical values, sensitive to the ever-changing needs of the profession, society, industry, and country.
- To continue to provide a stimulating learning environment that fosters the understanding of disruptive, technological developments, and encourages continuous innovation and learning.
- To provide broad and domain-specific knowledge to upskill students, in definitive careers of functional expertise through various course electives in upcoming frontiers of management education.
- To stimulate and encourage entrepreneurial culture by equipping students with global business awareness, and developing faculty as thought leaders.
- To develop the students with innovative and entrepreneurial mind-set, analytical skills and ethical values.

### DEPARTMENT ORGANISES

- ✓ Orientation Programme
- ✓ Grooming Sessions
- ✓ Mock Interview
- ✓ Working personnel test
- ✓ Hands on training





# BBA

## (BACHELOR OF BUSINESS ADMINISTRATION)

**Bachelor of Business Administration (BBA)** programs are designed to provide students with a strong foundation in business courses and advanced courses for specific concentrations.

A Bachelor in Business Administration is the gateway to numerous job opportunities in a multitude of sectors like Marketing, Education, Finance, Sales, and Government. The BBA program offers education and training in management and leadership skills to prepare students for managerial roles and entrepreneurship.

Students learn multiple aspects of business management through lectures, practical projects, and internships. This program is meant for those who want to pursue a career in the corporate management sector.

Bachelor of Business Administration (BBA) offered by ISTM is designed to equip our students with well-developed business insights, critical thinking and decision-making skills.

## Future Prospects

The future prospects for BBA graduates in India are bright. In recent years, there has been a growing demand for BBA graduates in India. This is due to the rapid growth of the Indian economy and the increasing need for skilled business professionals. The Indian economy is expected to continue to grow in the coming years, and the demand for skilled business professionals is expected to increase. BBA graduates who are able to acquire the latest skills and knowledge will be well-positioned for success in the 21st century business world.

Apart from Public sector, some business domains that include the above roles have demand for BBA graduates are below :

- **MNCs**
- **Educational institutes**
- **Export companies**
- **Business consultancies**
- **Marketing companies**
- **Banks and investment**
- **Firms**
- **Financial organizations E-Commerce**

Apart from the above, the start-up ecosystem in India is booming, and there is a growing demand for BBA graduates with entrepreneurial skills. BBA graduates with skills in business planning, marketing, and finance are in high demand by start-ups.



## Curriculum Overview

The BBA curriculum is designed in such a way that the students get ample industry exposure and training. It helps you prepare for real-world experiences and reach smart business conclusions through empirical analysis, such as planning how an organization operates day-to-day in the face of ongoing changes and challenges. The degree focuses on business administration, so you will have to take basic math and algebra courses, but you won't be required to do calculus and advanced finance.

With core electives such as managerial accounting, law & ethics, globalization & the world economy, the goal for students enrolling in a BBA program at ISTM is to :

- Understand and implement concepts related to local and global business
- Discuss, and apply regulatory and ethical practices
- Enhance research, communication, and presentation skills using professional literature
- Demonstrate a combination of knowledge and professional skills in specific areas of concentration.

In addition to classroom learning, the course focuses on the development of key real-world business skills like spoken English, soft skill development, leadership skills and all-round development giving students the confidence, knowledge and expertise required to excel in an ever changing, dynamic business environment.



## Curriculum Overview

The curriculum objective of this particular course is designed in such a way so that it results into achieving the main goal of this course such as :

- To provide a link between technical & managerial skills required for Hospital operations.
- To make students well equipped in the field of healthcare education, overall patient care, research, and community health care delivery.
- To enable students to work in the complex hospital environment.
- The syllabus of our BBA in Hospital Management program encompasses a diverse range of hospital management subjects tailored to equip students with the knowledge and skills vital for success in the healthcare domain. From healthcare policies, quality management, and healthcare information systems to strategic management and organizational behaviour in healthcare, our curriculum ensures a well-rounded education.

The Course is a unique combination of unique multidisciplinary areas :

- » **Principles of Management**
- » **Medical Terminology**
- » **Hospital Health System**
- » **Marketing Management**
- » **Hospital Operations Management**
- » **Health Economics /Medical**
- » **Record Science**
- » **Inventory Control**
- » **Purchase Management**
- » **Epidemiology**
- » **Analysis of Health Information**
- » **Data Management**
- » **Information System**
- » **Financial Management**
- » **Human Resource Management**
- » **Quality in Health Care**
- » **Support Utility Services.**

# BBA – HM

## BACHELOR OF BUSINESS ADMINISTRATION IN HOSPITAL MANAGEMENT

The continuous growth of healthcare industry, the demand of healthcare management professionals has been out sizing the supply and here comes the necessity of The BBA –HM program which is more integrated with the industry than any other program. BBA in hospital management program at ISTM is built on principles of strategic problem-solving and innovation and aims to develop the business acumen, leadership potential along with analytical, technical, and management skills required to improve the quality, cost-effectiveness, and integration of health and Healthcare organisations and systems.

BBA in Hospital Management at ISTM is a four years undergraduate program that focuses on providing students with the ethos and skills necessary to work in hospitals and healthcare settings, and to become world class leader in the healthcare industry. The program focuses on equipping students with the knowledge and skills required for the management of multi-specialty hospitals, various healthcare organizations and programs. We provide the stepping stone to Master's Program in Hospital Administration or Management.

## Future Prospects

As the healthcare industry continues to evolve, professionals equipped with a BBA in Hospital Management will find a range of opportunities awaiting them. Pursuing BBA in healthcare and hospital management leads to lucrative professions in four key areas: healthcare facility administration, insurance businesses, pharmaceutical and equipment suppliers, and medical service providers. There are thousands of work opportunities in every field, ranging from hospital administration to the formulation of policy for healthcare and government departments.

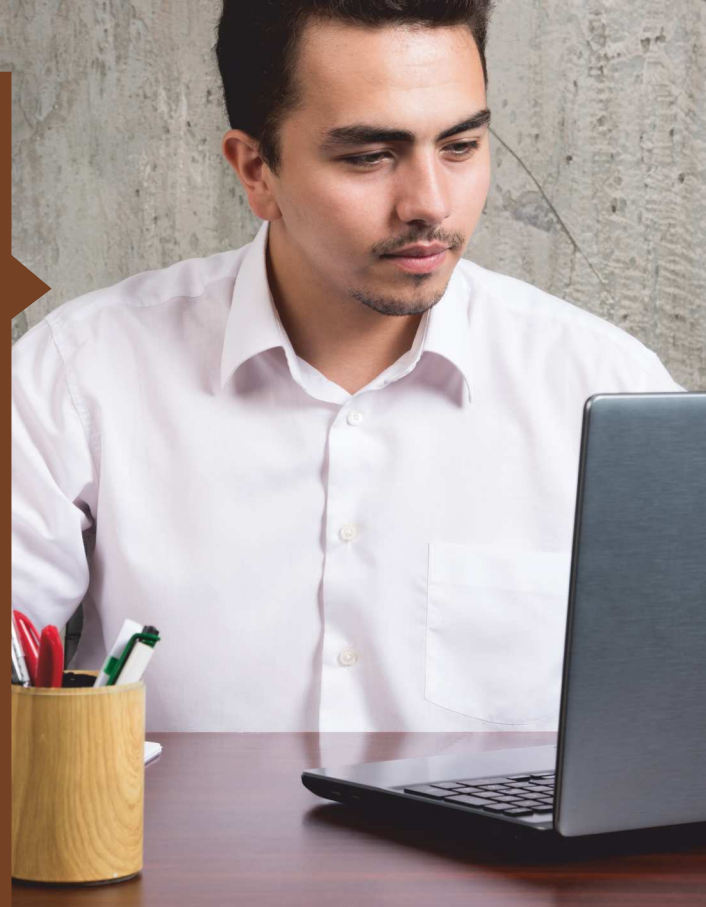


# BCA

## BACHELOR OF COMPUTER APPLICATION

The Bachelor of Computer Applications (BCA) program is a highly sought-after degree in the field of computer science. BCA is an undergraduate program that offers a comprehensive understanding of computer applications and equips students with the necessary skills to excel in the ever-evolving world of technology. This particular course allows students from all streams to make their career in computer science. Automation is now prevalent in all industries, entailing the need for computer professionals to oversee operations, making BCA essential for entry into various sectors.

BCA is designed to provide students with a strong foundation in computer science and its applications. The curriculum covers a wide range of subjects, including programming languages, database management, computer networks, web development, software engineering, and more. This holistic approach ensures that graduates are well-prepared to tackle the challenges of the industry.



## Future Prospects

The Bachelor of Computer Application program is highly regarded in the industry and is recognized as a valuable qualification for various roles in the IT sector. Whether you aspire to become a software developer, database administrator, web designer, or data analyst, a BCA degree can open doors to a wide range of career opportunities. One of the biggest advantages of pursuing a BCA degree is the wide range of career opportunities it offers. Graduates of BCA programs are in high demand in the IT industry and can explore various roles in both the public and private sectors. Some popular career options for BCA graduates include:

**Software Developer :** BCA graduates can work as software developers and design, develop, and test software applications.

**Database Administrator:** With their knowledge of database management systems, BCA graduates can work as database administrators and ensure the smooth functioning and security of databases.

**Web Designer :** BCA graduates with expertise in web development can work as web designers and create visually appealing and user-friendly websites.

**Data Analyst :** Bachelor of Computer Application graduates with a specialization in data science can work as data analysts and analyze large datasets to derive insights and make informed business decisions.

**Network Administrator :** BCA graduates with knowledge of computer networks can work as network administrators and ensure the efficient functioning of network systems.

These are just a few examples of the career opportunities available to BCA graduates. The IT industry is constantly evolving, and new roles and opportunities continue to emerge.

## Curriculum Overview

The BCA curriculum is carefully crafted to provide students with a well-rounded education in computer applications. The program covers a wide range of subjects, starting from the basics of computer science to advanced topics in software development and programming.

Some of the core subjects in the Bachelor of Computer Application curriculum include:

**Programming Languages:** This subject introduces students to various programming languages such as C, C++, Java, and Python. It focuses on developing problem-solving skills and logical thinking.

**Database Management:** This subject covers the principles of database design, implementation, and management. Students learn about SQL, database normalization, data modeling, and more.

**Computer Networks:** This subject explores the fundamentals of computer networks, including network protocols, network security, and network administration. Students gain a deep understanding of how data is transmitted and shared across different devices.

**Web Development:** This subject focuses on web technologies such as HTML, CSS, JavaScript, and PHP. Students learn to create dynamic and interactive websites and gain practical experience in building web applications.

In addition to these core subjects, BCA programs also offer elective courses that allow students to specialize in specific areas of interest.

To successfully complete a Bachelor of Computer Application program, students must navigate through a well-defined syllabus that covers all the essential topics in computer science.

## Future Prospects

MCA graduates have a vast array of career opportunities available to them in the field of computer applications. MCA graduates can work as software developers and develop computer programs and applications for various industries, including finance, healthcare, education, and e-commerce. Web Developer: MCA graduates can also work as web developers and design and develop websites, web applications, and e-commerce platforms for businesses. System Analyst: MCA graduates can work as system analysts and evaluate computer systems and processes to identify areas for improvement. Database Administrator: MCA graduates can work as database administrators and design, develop, and maintain database systems for organizations. Network Administrator: MCA graduates can work as network administrators and manage computer networks for businesses, including local area networks (LANs) and wide area networks (WANs). Cybersecurity Specialist : MCA graduates can work as cyber security specialists and protect computer systems and networks from cyber threats. Mobile Application Developer : MCA graduates can work as mobile application developers and develop mobile applications for Android, iOS, and Windows platforms. Data Analyst : MCA graduates can work as data analysts and analyse large data sets to identify trends, insights, and business opportunities. IT Consultant: MCA graduates can work as IT consultants and advise businesses on technology-related issues and solutions. Teaching and Research: MCA graduates can also pursue careers in teaching and research by joining academic institutions and conducting research in the field of computer applications. Numerous career opportunities in the IT industry and elsewhere are available after completing the Master of Computer Applications (MCA) degree. MCA graduates are widely sought after by businesses because of their technical proficiency, problem-solving skills, and ability to learn new technologies. MCA professionals play a critical role in fostering innovation and technology breakthroughs across a range of industries.



# MCA

## (MASTER OF COMPUTER APPLICATION)

The Master of Computer Applications (MCA) program is an excellent stepping stone for post graduate students interested in joining the software application domain. With an all-new two-year structure, exposure to numerous emerging technologies and a multitude of laboratory courses, the MCA program is tailor made for those aspiring to be software professionals. Through a comprehensive curriculum, hands-on learning experiences, and industry collaborations, we strive to nurture skilled professionals who can contribute to the digital transformation of various industries.

## Curriculum Overview

The MCA program is a 2-year full-time course that provides in-depth knowledge and practical skills in computer science and applications. The curriculum is designed to cover core computer science concepts, programming languages, software development methodologies, database management systems, networking, web technologies, and emerging trends in the field of information technology. The objective of the MCA curriculum is to equip the students with the ability to analyze varieties of real-life problems and develop computer-based solutions for effectiveness and efficiency. Keeping in view the requirements of the evolving software industry and also to provide a foundation for higher studies in Computer Science, effort has been made in the choice of subjects to balance between theory and practical aspects of Computer Science. On successful completion of this course a student can find a career in software industries, corporate sectors, or Government Organizations as a technical professional or pursue research in the core areas of Computer Science and Applications. Students have the opportunity to specialise in areas such as Software Engineering, Data Analytics, Cyber security, Mobile Application Development, Artificial Intelligence, and more.



# MHA

## MASTER OF HOSPITAL ADMINISTRATION

MHA is a two-year, full-time programme. It is designed to develop professionally trained administrators who can play an effective managerial role and provide leadership in public and private hospitals and healthcare organizations. The Master of Hospital Administration programme (MHA-Hospital) aims to develop a cadre of professional managers for the rapidly growing hospital sector. As hospitals become an increasingly complex technical environment employing people with widely divergent skills, the need to manage them efficiently without any compromise to the humane and caring environment that the sick need, brings forth the need for a new type of health professional- the hospital manager. The MHA (Hospital) programme prepares students for leadership roles in the hospital sector through training in planning, operational and project management of hospitals including orientation in the managerial aspects of clinical and support services. The programme also imparts training in managing financial, material and information systems in hospital settings and builds the perspectives, attitudes and skills needed for managing people. The MHA (Hospital) Degree is designed to be completed in 4 semesters spanning two years; but has a provision to complete over a maximum period of 5 years from the date of registration.



With surging growth in healthcare sector, the demand for professionally trained hospital managers is also on the rise. A well-managed hospital leads to superior quality health outcomes, and satisfied patients. Currently, in India, there is a severe paucity of professionally trained hospital administrators. Thus, a professional course that creates professional hospital administrator has a pivotal role in a growing healthcare sector that is driven to serve the people.

## Curriculum Overview

For achieving its intended objective, the programme curriculum is structured with a multi-disciplinary perspective, including general management and hospital management theories and practices. The classes are delivered using a variety of teaching and learning techniques, including lectures, case discussions, practical exercises, lab-work, hospital visits, seminars, journal clubs, collaborative learning, group discussions, assignments, hands-on training, internship in hospitals, and dissertation.

The curriculum widely covers subjects such as Healthcare Sciences & Applications, Hospital Organization & Management, Finance & Accounts, Marketing, Legal & Medical Issues, Health Economics, Strategic Management, Patient Care Management, Human Resource Management, Equipment Management, Hospital Information System, Biomedical Waste, Environmental Health, Health Insurance,

Medical Tourism, Operation Research, Research Methodology, Biostatistics, Entrepreneurship & Consultancy Management, Computer & IQ, Purchase Management, Special Paper (Marketing of hospital services, Medical Records Management, Hospitality Management, Drug Management, Health Care Quality Management, Nutrition & Dietetics), etc.

## Future Prospects

MHA program can provide students with the skills and knowledge they need to succeed in a variety of healthcare management roles, and can be a great way to advance their career in the healthcare industry.

Masters in Hospital Administration graduates can gain employment in hospitals/nursing homes/clinics of the private and public sectors. These graduates go on to acquire administrative roles in healthcare organisations to improve patient care through efficient management. Few positions that can be held in Private sector apart from being the Superintendent (Non-Medical) in Public sector are as follows:

- **Hospital Administrator.**
- **Healthcare Manager.**
- **Health Information Manager.**
- **Clinical Director.**
- **Quality Improvement Manager.**
- **Operations Manager.**
- **Patient Services Manager.**







# P.G. INSTITUTE OF MEDICAL SCIENCES

www.pgims.org.in



## WHY PGIMS

As the pharma industry has been continuing to evolve post-independence, pharmacy education in the country had to transform itself to help the Pharma field emerging opportunities and nullify the challenges. Pharmacy education has a major role to play in the progress of the pharma sector. Pharmacy study is crucial because it equips individuals with the knowledge to ensure the safe and effective use of medications. It combines science with healthcare, focusing on drug development, pharmacology, and patient care. Yet, in India, it is entangled in several issues. One of the major issues is the implementation of the right courses in academic programmes that meet industry expectations so that a large number of vacancies in the organised sector can be addressed which in long run results into wellness of mankind.



Furthermore, the planning commission report states that India is short of six lakhs paramedical. Indeed there is an increasing realisation on importance of paramedical personnel whereas Paramedical studies are vital as they train professionals to support healthcare services, ensuring efficient patient care and timely medical assistance. With a growing demand for healthcare, these roles are essential for India's healthcare system. Understanding the criticality of the issue and for being a part of serving the mankind, P G Institute of Medical Sciences was established in the year 2017 by Gopsai Avinandan Sangha, a registered society under West Bengal Societies Act XVII, 1961. Gopsai Avinandan Sangha, since its inception in 2003 has been committed towards spreading education in different fields. Considering the evolving demand of the society and need of conglomeration of academics and industry, Gopsai Avinandan Sangha has always diversified its wish to spread education in multiple fields. Stepping into the education of Pharmacy and Healthcare is just an example of this.

P.G. Institute of Medical Sciences is approved by PCI (Pharmacy Council of India), New Delhi and affiliated to MAKAUT (Maulana Abut Kalam Azad University of Technology), West Bengal for Bachelor of Pharmacy and affiliated to WBSCT & VE & SD (West Bengal State Council of Technical and Vocational Education & Skill Development) for Diploma in Pharmacy.

All PARAMEDICAL courses of P.G. Institute of Medical Sciences are recognised by Health & Family Welfare Department, Govt. of West Bengal and affiliated to West Bengal University of Health Sciences. Furthermore, it is recognized by Higher Education, Science & Technology and Biotechnology Department, Govt of West Bengal.

The Institute is strategically located in a 60 acre of sprawling picturesque green campus at Chandrakona Town, Paschim Medinipur yet having a state of the art infrastructure, spacious laboratories containing latest equipment, smart classroom and a rich library. Choosing PGIMS for your pharmacy and paramedical education means stepping into a world of opportunities in the dynamic healthcare sector. We offer a curriculum designed to provide both theoretical knowledge and practical training, ensuring that students are well-equipped to meet the growing demand for skilled professionals in India's healthcare industry. Our experienced faculty, state-of-the-art facilities, and industry collaborations help the students gain the expertise required to excel in the ever-evolving medical field. By choosing PGIMS, students are not just enrolling in a course, they are laying the foundation for a successful and fulfilling career in a vital sector that impacts lives every day.





# MISSION

- ✔ To impart futuristic learning in pharmacy to develop a pool of professionally competent, ethically sound and skilled pharmacist at par with global standards.
- ✔ To provide superior quality knowledge and skill based Education to develop globally competent pharmacy professionals.
- ✔ To encourage academic research excellence in Pharmaceutical education which later will contribute in strengthening the future healthcare sector.

# VISION

To achieve excellence in pharmacy education, innovative research and provide service to the society and profession.

To become the centre of excellent standards of pharmacy education amongst socially, educationally and economically weaker sections of society.

# P.G. INSTITUTE OF MEDICAL SCIENCES

Affiliated to **MAKAUT (WB)**, **WBUHS**, **WBSCT & VE & SD**  
Approved by **AICTE & PCI** (Govt. of India) Recognised by Govt. of W.B.

## GOVERNING BODY

Dr. Pravas Ghosh	Honourable Founder Chairman
Dr. Pranali Ghosh	Vice Chairman
Smt. Anindita Ghosh	Honourable Founder Secretary
CS Arijit Ghosh	Executive Member
Prof. (Dr). Biplab Chakra	Principal (Pharmacy)
Dr. Indira Bhaskar Biswas	Principal (Paramedical)
Nominee of WBSCT & VE & SD	Member
Nominee of WBSCT & VE & SD	Membe
Nominee of Dept. of Higher Education, Govt. of W. B.	Member
Nominee of Director of Tech. Education	Member
Nominee of Director of Tech. Education	Member





## FROM THE DESK OF THE CHAIRMAN

It's a great pleasure to welcome you at **PGIMS**.

Since my childhood while living, struggling and surviving with insufficiency, I used to dream to reshape the lives of the area and surroundings where I belong to. That dream with immense hard work and wining over a lot of obstacles has made me create Gopsai Avinandan Sangha with an idea to explore several fields of education because education has the magic to enlighten people.

As the Indian economy has grown in recent years, there has been a rapid expansion in the productivity and research in Indian pharmaceutical and healthcare industry, justifying the need for quality pharmaceutical and allied health science education. Also, this sector caters to job-oriented course which is a need of the society.

So, PGIMS, the first pharmacy college in Paschim Medinipur started its journey in the year 2017 with its Pharmacy division providing Diploma & Degree courses in Pharmacy. We were blessed to have no seats vacant since the beginning.

Further, to cater to other sectors of Health Sciences, when there is an acute shortage of health care professionals across the country, PGIMS launched its Paramedical & Allied Health Science wings in the year 2021.

The college has highly qualified, committed and experienced teaching faculty members who facilitate the students to keep abreast with academic challenges and developments. Our teaching-learning methods encourage inter-disciplinary approaches through innovation projects, conferences, seminars and workshops.

As the Chairman of the Institute, I assure you a nurturing and caring environment that will see all of you blossom into a human being and an empowered professional.

I wish you all an exciting and successful career.



► **Dr. Pravas Ghosh**  
Honourable Founder Chairman

## FROM THE DESK OF THE VICE CHAIRMAN

Education is the basis of all progress. Over a decade and a half of experience has taught us that progress is possible only, if men and women are equally well-educated. The entire purpose of education is not to restrict itself to imparting bookish knowledge only but inculcate humanitarian values like wisdom, compassion, courage, humility, integrity and reliability in a student.

We, just like you, believe in holistic education for your child, encompassing academics, co-curricular activities, sports education and life-skills learning. Our endeavor is to strike a balance between state-of-the-art infrastructure and an internationally acceptable education.

At P.G. Institute of Medical Sciences we impart education that is based on conscience and we rear a breed of young minds that are bustling with self-confidence, motivation and ever ready to take up challenges.

The campus, sports and academic facilities all bear testimony to this effort. In order to promote an internationally acceptable education, our key focus has been on faculty development —providing continuous teacher training in order to deliver real value education and excellence in academics. Teachers are trained not only to teach well but are also expected to inspire confidence and trust in their students and become role models.

P.G. Institute of Medical Sciences encourages students to learn about themselves and their constantly changing environment, while at the same time offering support and guidance as they practise decision-making and social skills.

The course structure and the module is the factor that determines of the standard of the Institution. We have a panel that determines the structure in advance and implements the same. Interactions with others institutions and continuous monitoring of the changes taking place in the field have helped us to bring about the necessary changes from time to time and stay ahead always.

We are confident that this College is the best place for your child. We welcome your active interest and involvement in the progress and activities of your child. We look forward to your continuous support.

I Wish all the best.



► **Dr. Pranali Ghosh**  
Vice Chairman, PGIMS



## FROM THE DESK OF THE SECRETARY

Welcome to P.G. Institute of Medical Sciences (PGIMS).

The transition from school to college is a very big step in life. You have put in so much hard work in your public exams, spent sleepless nights, earned a rewarding score, and with the blessings of your parent/guardian you have joined your chosen stream of education to realize your life-ambition and set the foundation for your future. By choosing to create a future for yourself from our institution means that we, the teachers and management at PGIMS are also responsible for your successful growth. You will cherish every day at your college, right from day one, you will feel welcomed by all of us here - your seniors, your new professors, and members of administration you will get to interact with. What's more the energetic environment will have you charged up to achieve your dream with confidence like never before.

It is your career path that you have now embarked upon, which will be a remarkable journey in itself that will prepare you for a life beyond college. We hope to make your journey with us, engaging, encouraging and enlivening as ever, for you to grow as a thorough individual, ready to take on life as an adult. We pray and will work with you to see you become one with the society where your contribution will make a definitive difference to our world. The commitment from us begins from day one - to work with you and walk with you through each day all through the years you will spend here which is your home away from home. As I mentioned earlier, the learned staff and the ever accessible management is there to guide you through your path and help you nurture your dreams and fulfill them - by empowering you to realize your true potential. Be it studies, sports or any extracurricular activities, you don't just graduate with a degree and a certificate - but become a graduate of life and a true citizen of the world of tomorrow.

Wish you all the best.



► **Smt. Anindita Ghosh**  
Honourable Founder Secretary

## FROM THE DESK OF THE EXECUTIVE MEMBER

It's indeed a pleasure to welcome you to P G Institute of Medical Sciences, run and managed by Gopsai Avinandan Sangha. I have been brought up in an environment wherein I witnessed the tireless effort of enlightening the rural Bengal with education and thus enriching the society by all means. So "Effort, Excellence and Values" are our guiding principles which are reflected in every activity of us over the years.

The world is growing not in numbers but in quality. The improved quality has increased the life expectancy and increased the demand for medicines both for prophylaxis and cure. Today Pharma industry has a turnover of billions of dollars. India is not only producing medicines for domestic market but exporting it in a big way. So, undoubtedly pharmacy as a profession has unequivocally regarded as an integral part of health care system not only in India but across the globe. It is expanded multi-fold and set new trends with respect to the Indian education system and career opportunities too.

Like all other Institutions of our group, PGIMS offers a very dynamic, global and competitive educational environment; the college not only provides quality education but also tries to indulge itself to meet the challenges that have been created with the information era. The task is big but we will succeed in our mission. Meeting and measuring up to the emerging challenges is the prime function of today's students. To do this, it requires keen perception, flexibility and the ability to merge theories into action plans. We provide our students with hands-on training that will further hone their skills. We believe in giving our students the competitive advantage in the business world, by encouraging them to be inquisitive and make informed choices as well. In view of this we provide a state-of-the-art infrastructure, well equipped ultra-modern and spacious laboratories, highly qualified experienced and dedicated faculties, well stocked library and a placement cell.

On behalf of our faculty and the management, I invite all the students to join us with an aim to make signification contributions towards the betterment of healthcare. Our long-term goal is to establish PGIMS as a centre of excellence in the field of pharmaceutical sciences. Join us and be a part of the great work.



► **CS Arijit Ghosh**  
Executive Member



## FROM THE DESK OF THE PRINCIPAL (PHARMACY)

### Transformer in Healthcare through Pharmacy Innovation

We'd love to have you join us in our exciting venture of transforming healthcare through pharmacy innovation.

The P.G. INSTITUTE OF MEDICAL SCIENCES is home to many of the top pharmacy students, researchers and practice leaders in the world, as we are committed to excellence and discoveries in the education of future pharmacists, research in the pharmaceutical sciences, as well as service to our community and profession.

Being the leaders in the application of pharmaceutical sciences to personalized medicine, we are offering helping hands to transform patient care through discovery of novel therapeutics and the optimization of outcomes for existing medications.

Either you are a prospective student, or a researcher, a healthcare professional, or an interested community member, we invite you to explore these pages and contact us to continue the conversation, so we'd love to have you join us in the exciting venture of transforming healthcare through pharmacy innovation.

Plan a Visit, we want your transition to PGIMS to be as seamless as possible, so whether you are interested in learning more about the entire campus or you have specific questions related to pharmacy, we are happy to help. We offer free in-person and online seminars throughout the year, comprising our own experts who present the latest information on a variety of health topics. Seminars are interactive and followed by a Q&A session with the presenter.



➤ **Prof. (Dr). Biplab Chakra**  
Principal (Pharmacy)

## FROM THE DESK OF THE PRINCIPAL (PARAMEDICAL)

P.G.Institute of Medical Sciences was established in the year 2017 and Started 2 Pharmacy Courses like D.Pharm & B.Pharm which are Approved by AICTE & PCI. In the Year in 2020, we realized the importance for making Dedicated Paramedics who will serve our society with their knowledge. Upon the above realization we have approached to concerned department of Govt. of West Bengal to allow us to start some Paramedical & Allied Health Science courses in our Institute. After being satisfied with our Infrastructure ( College Building, Class Room, Seminar Hall, Laboratories, dedicated faculties) Directorate of Medical Education, Govt. of West Bengal has given recognition and West Bengal University of Health Sciences issued affiliation for starting 13 Paramedical and Allied Health Science courses from this year.

A Doctor needs Pathological report and other investigations for proper diagnosis of diseases. All these investigations and reports are carried out with the help of paramedics. Without proper Diagnostic, proper conclusion regarding medical treatment/surgery cannot be obtained. On the above ground we realized the importance of OT Technician, Pathological Technician, CCT Technician, Physiotherapist, Nutritionist etc. All these personnel are called paramedics. The service of Paramedics are most essential for proper Health care.

We will try our level best to establish this Institution as a premier institution in the field of Paramedical and Allied Health Science to enable our training programmer to meet the global challenge and corporate need in health care sector. The college provides qualified and experienced faculties, Clinical Instructor and specialized external lecturers to impart quality education in developing skills and facilitate them for quality practice.

Our Management is looking forward and wants our college to be known as Institute of Excellence.

With thanks & best wishes.



➤ **Dr. Indira Bhaskar Biswas**  
Principal (Paramedical)



## APPROVAL AFFILIATION

### PHARMACY >>

**D.Pharm**

> Approval by **AICTE & PCI**,  
Affiliation by **WBSCT & VE & SD**

**B.Pharm**

> Approval by **AICTE & PCI**,  
Affiliation by **MAKAUT**, West Bengal

**M.Pharm**  
**(Pharmaceutical Chemistry)**

> Approval by **AICTE & PCI**,  
Affiliation by **MAKAUT**, West Bengal (A/F)

### PARAMEDICAL AND ALLIED HEALTH SCIENCE >>

Courses affiliated to WBUHS & Recognized by Directorate of Medical Education Gov. of W.B.

B.Sc in **Medical Laboratory Technician**  
B.Sc in **M.L.T. (LAT.)**

B.Sc in **Operation Theatre Technology**  
B.Sc in **O.T.T. (LAT.)**

B.Sc in **Physician Assistant**  
B.Sc in **P.A. (LAT.)**

**Bachelor of Physiotherapy**  
**Bachelor of Physiotherapy (LAT.)**

B.Sc in **Critical Care Technology**  
B.Sc in **C.C.T. (LAT.)**

M.Sc. in **Medical Microbiology**

M.Sc. in **Medical Biochemistry**

M.Sc. in **Applied Nutrition**

Master in **Physical Therapy**  
**(Orthopaedics)**

M.Sc in **Laboratory Technology in**  
**Biochemistry**

M.Sc in **Laboratory Technology in**  
**Microbiology**

### PARAMEDICAL AND ALLIED HEALTH SCIENCE >>

Courses affiliated to VU (A/F), approved by WBUHS, Recognized by Directorate of Medical Education Gov. of W.B.

B.Sc in **M.L.T**

M.Sc in **M.L.T** - Applied Microbiology

M.Sc in **M.L.T** - Clinical Biochemistry

M.Sc in **M.L.T** - Advance Pathology & Hispathology

M.Sc in **M.L.T** - Haematology & Blood Transfusion

### AGRICULTURE

Courses approved by & affiliated to VU (A/F)

B.Sc in Agriculture,

M.Sc in Agriculture(Agronomy),

M.Sc in Agriculture (Biotechnology),

M.Sc in Agriculture (Genetics & Plant Breeding),

M.Sc in Agriculture (Plant Protection)

### MANAGEMENT

Courses approved by & affiliated to VU (A/F), Recognized by Dept. of Higher Education Gov. of W.B.

**MHA** (Hospital Administration)

**MBA**

(Specilisation in Finance, H.R, Marketing,  
Insurance & Risk Management, Retail Management,  
Safety Management

Courses approved by WBUHS, Recognized by Dept. of Higher Education Gov. of W.B.

**BHA** (Bachelor in Hospital Administration)

**MHA** (Hospital Administration)





## SALIENT FEATURES OF PGIMS

- ✓ State of the art infrastructure amidst lush green serenity of 4 acres.
- ✓ An institute with proclaimed objectives and learner-centered approach that in turn would produce competent healthcare Professionals to meet the professional requirements of future.
- ✓ Highly adept faculties who instil avidity for learning amongst the students.
- ✓ Effective collaboration with pharmacy industry that enables the students to receive hands on knowledge.
- ✓ Encouraging and promoting research activities untiringly.
- ✓ Advanced facilities, smart classrooms, well equipped laboratories with sophisticated instruments like HPLC, FTIR, Spray dryer, Lyophilizer, Rheometer, Probe sonicator, Extruder and spheronizer, R & D coater etc.
- ✓ Substantially well stocked Library with books about 5000, subscription of national and international journals, e-journals, membership of national Digital Library.
- ✓ Book Bank facilities.
- ✓ Student centric teaching and learning with emphasis on holistic development through curricular and extra-curricular and social activities.
- ✓ Ragging free campus which allows students to concentrate only on academic well being.
- ✓ Facilitating scholarship for students.
- ✓ 24X7 security surveillance all through the campus.



## PHARMACIST OATH

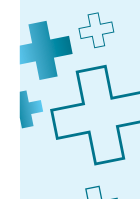


**P. G. INSTITUTE OF  
MEDICAL SCIENCES**  
www.pgims.org.in



### PHARMACIST OATH

- ❖ I Swear by the code of Ethics of Pharmacy Council of India in relation to the community and shall act as an integral part of health care team.
- ❖ I shall uphold the laws and standards governing my profession.
- ❖ I shall strive to perfect and enlarge my knowledge to contribute to the advancement of pharmacy and public health.
- ❖ I shall follow the system, which I consider best for pharmaceutical care and counseling of patients.
- ❖ I shall endeavour to discover and manufacture drug of quality to alleviate sufferings of humanity.
- ❖ I shall hold in confidence the knowledge gained about the patients in connection with professional practice and never divulge unless compelled to do so by the law.
- ❖ I shall associate with organizations having their objectives for betterment of the profession of Pharmacy and make contribution to carry out the work of those organizations.
- ❖ While I continue to keep this Oath inviolated, may it be granted to me to enjoy life and the practice of pharmacy respected by all, at all times!
- ❖ Should I trespass and violate this oath, may the reverse be my lot







Healthcare has been proved as one of India's largest sectors, both in terms of revenue and employment in last few years. It has witnessed 9% of growth since year 2000. The Indian healthcare market, which was valued at US\$ 110 billion in 2016 is now projected to reach US\$ 638 billion by 2025. The Indian healthcare sector is witnessing unprecedented growth, with private equity and venture capital investments surpassing US\$ 1 billion in the first five months of 2024, marking a 220% increase from the previous year. There is significant growth considering that healthcare spending as a percentage of Gross Domestic Product (GDP) is rising. India's public expenditure on healthcare touched 1.9 % of GDP in FY24, against 1.6% in FY23, as per the Economic Survey 2023-24. The Health Ministry aims to reach 2.5% by Financial year 2025.

The healthcare sector, as of 2024, is one of India's largest employers, employing a total of 7.5 million people. The demand for Indian healthcare professionals is expected to double nationally and globally by 2030 due to a shortage of healthcare workers in India.



## CAREER PROSPECT OF

## PHARMACY STUDENTS



- **GOVT. ADMINISTRATION**  
Govt. Analyst  
Drug Inspector
- **GOVT. REGULATORY BODIES**  
Drug Inspector (D.I)  
Deputy Drug Controller  
Asst. Drug Controller  
Drug Controller  
Drug Controller of India  
Regulatory Manager
- **CLINICAL RESEARCH**  
Bio Equivalence Studies  
Toxicological Studies  
Pharmacovigilance
- **INFORMATION TECHNOLOGY**  
Data Analyst  
System/Product Analyst
- **PRODUCTION**  
Production Chemist  
Manufacturing Chemist  
Production Supervisor  
Production Officer  
Production Executive  
Production Manager
- **QUALITY CONTROL and R&D**  
Quality Control Chemist  
Quality Assurance Chemist  
Production Development Chemist  
Research & Development Chemist
- **ACADEMIC**  
Lecturer  
Associate Professor  
Professor  
Research Guide
- **SALES & MARKETING**  
Medical Representative  
Production Manager







## DEPARTMENT OF PHARMACY

### PHARMACEUTICAL CHEMISTRY

**Pharmaceutical chemistry** is the study of drugs, and it involves drug development. This includes drug discovery, delivery, absorption, metabolism, and more. There are elements of biomedical analysis, pharmacology, pharmacokinetics, and pharmacodynamics. So, we can say that Pharmaceutical chemistry is an amalgamation of basic chemistry and life sciences. This is a multidisciplinary field that deals with the principles and applications of natural, synthetic, computational and analytical chemistry in the discovery of chemical therapeutics for the prevention and cure of life-threatening diseases.



### CURRICULUM

The curriculum includes general chemistry, organic chemistry, pharmaceutical / medicinal chemistry and pharmaceutical analysis for the undergraduate students in the four years B. Pharm. course and two-year D. Pharm. Course. The curriculum demands extensive lectures and laboratory sessions to ensure that students can connect theory to practice and apply their theoretical knowledge gained. The field of pharmaceutical analysis is very dynamic and the curriculum ensures that the students are kept abreast with the latest development in this field.

### OBJECTIVES OF THE DEPARTMENT

- ✓ To provide the sufficient education to the graduates and post graduates in the field of Pharmaceutical Chemistry.
- ✓ To implement new proceedings in the field of Pharmaceutical Chemistry.
- ✓ To achieve better Pharmaceutical Care by synthesizing new drug molecules which have better therapeutic efficacy.

### FACILITIES

Apart from adept faculties with industry experience along with academic practice, the department is equipped with sophisticated instruments like HPLC, FT-IR, Flash chromatographic system, UV-Visible spectrophotometer, Trans Blot system, parallel synthesizer, cyclic voltameter, CO2 incubator, microcentrifuge etc which gives the students enough scope of gaining hands on experience.



### JOB PROSPECTS

- Drug Discovery & Development (CADD).
- Organic & Medicinal Chemistry Division.
- Pharmaceutical Manufacturing Division.
- Pharmaceutical Bulk Drug Division.
- Pharmaceutical Analytical R & D







## DEPARTMENT OF PHARMACY

### PHARMACEUTICAL ANALYSIS

**Pharmaceutical analysis** is a branch of practical chemistry that involves a series of process for identification, determination, quantification and purification of a substance, separation of the components of a solution or mixture or determination of structure of chemical compounds. The department of Pharmaceutical analysis of PGIMS is now engaged in teaching and training undergraduates and diploma students through B.Pharm & D.Pharm courses and also upcoming post graduate students, in the subjects of analytical sciences pertaining to qualitative and quantitative estimation of drug substances and drug products. The department boasts of inspired and enthusiastic faculties participating wholeheartedly in teaching learning process who are striving hard to motivate and develop students – globally astute, technologically literate and operationally agile – in arena of advanced pharmaceutical analysis.



### VISION

To produce a competent Pharmaceutical Analyst to meet the demands of the Pharmaceutical Industries in terms of analysis, Quality control of materials (raw and finished), standards and compliance with regulatory bodies and to provide Quality Assurance to the Pharma Industry for the manufacture of either formulations or bulk drugs.

### OBJECTIVES OF THE DEPARTMENT

To develop ability to work in pharmaceutical industries on modern analytical methods, instruments, analytical method development, validation, analytical research and achieving global standards.

### FACILITIES

Several automated instruments like Elico-UV-Visible Spectrophotometer, Photo –Fluorimeter, Nepheloturbidimeter, IR moisture balance, Analytical balances of varying sensitivities, Refractometer, Polarimeter, Conductivity meter, Ph meter etc. are now housed in a separate air-conditioned instrument room and regularly used to perform structured laboratory experiments. Emphasis is laid on imparting hands on experience to students on equipments dealing with the techniques of chromatography and spectroscopy.

### SCOPE

Pharmaceutical Analysis is one of the most sought after specialisations in study of pharmacy. People specialised in pharmaceutical analysis are indispensable to the manufacturing, quality control and analytical manifestations of the industry.

They can work in quality control department which oversees the purity, qualitative aspects and the matching of the stringent regulatory limits required by a finished product.

Research and development has huge implications on the results of the analysis and detection of new compounds. More and more companies are stressing on a separate analytical R&D department.

A pharmaceutical analysis student also finds takers in the medical devices companies, equipment companies, regulatory agencies etc.



### JOB PROSPECTS

- Quality control.
- Research and Development.
- Pharma Benefit Analyst.







## DEPARTMENT OF PHARMACY

## DEPARTMENT OF PHARMACEUTICS

The word "**Pharmaceutics**" in simple terms means converting a drug into a medicine. Pharmaceutics is the study of relationships between drug formulation, delivery, disposition and clinical response. It is a study of the quantitative delivery. It introduces Design, Development & evaluation of drugs in combination with an appropriate dosage form. Department of Pharmaceutics of PGIMS has been actively involved in improving the theoretical and practical skills of the students at the Diploma, Degree and Post Graduate level.



## VISION

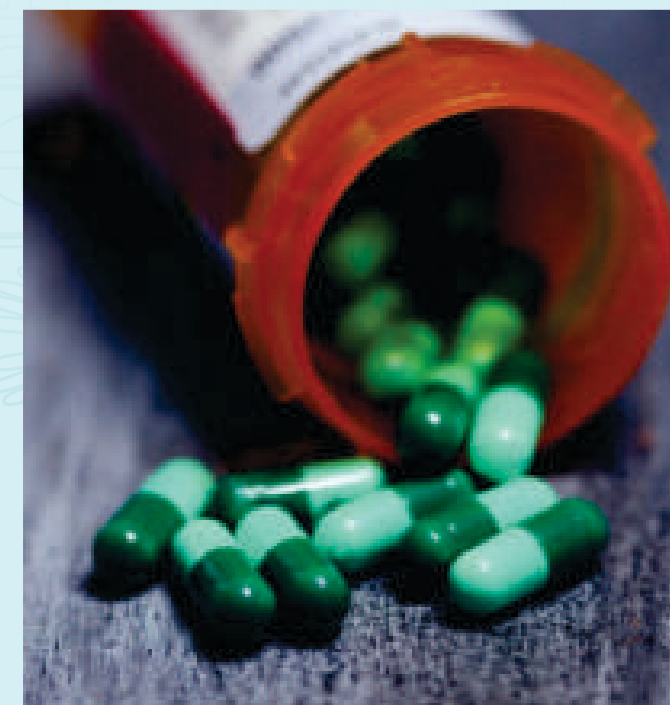
To provide excellent advancement of Pharmaceutical knowledge through teaching, research, and service in a supportive and caring environment that enhances the attainment of educational excellence and the highest standards in professional and ethical practice.

## OBJECTIVES OF THE DEPARTMENT

- ✓ To prepare students for life-long learning and careers in an evolving Profession of Pharmacy.
- ✓ The Department of Pharmaceutics reinforces its mission through an active role and responsibility in the delivery, outcome, and study of Pharmaceutical care services it shares with other healthcare providers.
- ✓ The Department of Pharmaceutics seeks to achieve excellence in the education and training of Pharmacists, equipping Pharmacy graduates and Post graduates to meet the present and future pharmaceutical healthcare needs of the country in all spheres of pharmacy, viz.....communities /retail, hospital, industry, academic and research development.
- ✓ To prepare highly qualified graduates capable to apply the pharmacy practice in compliance with global standards and conducts innovative research and scientific studies in basic and applied pharmaceutical sciences.
- ✓ To provide services to the community with the Participation of Professional healthcare.

## SCOPE

This field is related to production of medicines and technology that is used in production of drugs used in pharmaceutical companies. Master of Pharmacy degree in pharmaceutics has scope in the formulations of drugs, research in formulations and excipients, manufacturing, drug regulatory affairs.



## JOB PROSPECTS

- **Pharmaceutical Industries** : There are different areas such as production/ manufacturing, validation aspects, quality assurance/ control, technology transfer, process development, formulation development, generic product development, drug metabolism and pharmacokinetics (DMPK), intellectual property rights, pharmacovigilance, scientific writing and regulatory affairs where candidates of both the disciplines get recruited.
- **Entrepreneurship and consultancy** : Postgraduates are also trained and encouraged to build their career as entrepreneurs to start a pharmaceutical company or as consultants to pharma companies.
- **Higher studies and academics** : One can also go for higher degrees in research as well as for teaching jobs in academic institutions.

## FACILITIES

The faculty are actively engaged in guiding the students in formulation and development of novel drug delivery systems. The thrust areas are Transdermal Drug Delivery Systems & Nanotechnology. The department has well equipped laboratory managed by trained laboratory technicians.

The department is well equipped with sophisticated instruments and machinery to cater and fulfil statutory and research requirements of students. The department is equipped with: 10 Station Tablet Punching Machine, All Purpose Unit With All Attachments, Rota-Evaporator, Spray Drier, Dissolution Testing Unit, UV Visible Spectrophotometer, All Glass Water Distillation Unit, Autoclave, Bulk Density Apparatus, Tablet Friability Apparatus, Ro Water Unit, Mechanical Stirrers and Magnetic Stirrers with Hot Plate.





## DEPARTMENT OF PHARMACY

## DEPARTMENT OF PHARMACOLOGY

**Pharmacology** is a branch of science that deals with the study of drugs and their actions on living systems - that is, the study of how drugs work in the body (sometimes referred to as 'drug actions'), where a drug can be broadly or narrowly defined as any man-made, natural, or endogenous (from within the body) molecule which exerts a biochemical or physiological effect on the cell, tissue, organ, or organism (sometimes the word *pharmac* is used as a term to encompass these endogenous and exogenous bioactive species). To understand this we need to consider what a drug is, how it affects our physical, emotional and psychological wellbeing, the type of drug being used, and the modes of administration, how the drug is absorbed and the characteristics of the person who is taking the particular drug.



## VISION

- To produce competent pharmacologists to meet the needs of the industry and research organizations, drug discovery research.
- To help the students to develop a rigorous scientific attitude so that they can serve the Pharmacy and other Health-related professions in the best possible way, thereby improving the quality of life in the country as well as our state.

## OBJECTIVES OF THE DEPARTMENT

To train the students in the skills that are necessary for establishing drug action, mechanisms of drug action, potential pharmacological effects, toxicological effects, molecular interactions, animal health care and maintenance etc. The department is striving towards our vision by providing quality education that effectively integrates critical thinking, problem solving and leadership skills.

## FACILITIES

Apart from having competent and dedicated faculties as mentor, Pharmacology students have an unparalleled advantage with fully equipped laboratories that provide the resources for practical training in Experimental Pharmacology, Clinical Pharmacology and Pharmacy.

## SCOPES

Trained Pharmacologists can look forward to rewarding Careers in Academia (M.Pharm, B.Pharm, Pharm D, BAMS, BHMS, MDS, BDS, MBBS & MS), Pharmaceutical Industries (Preclinical, Clinical and R&D Scientist) and Contract Research Organizations (CRA, Medical Writing, Medical Coding, Pharmacovigilance) and in Drug Regulatory Agencies (Regulatory Affairs), Hospital, Clinical and Community Pharmacist in India and abroad.



## JOB PROSPECTS

- Research scientist in R & D
- Clinical research associate in CRO
- Business development [BD] in CRO
- Pharmaceutical company [basic research]
- Pharmacovigilance
- Academia
- Medical/ scientific writing







## DEPARTMENT OF PHARMACY

## DEPARTMENT OF PHARMACOGNOSY

**Pharmacognosy** is a discipline related with separation of medicines from plants, animals and minerals. It needs a complete understanding of botany, chemistry, quality control and pharmacology of medicines from natural sources. Development of herbal drugs is done by amalgamating the traditional knowledge, modern science and modern technologies. The department of Pharmacognosy in PGIMS is engaged in imparting knowledge in the various fields of natural medicinal products through theoretical and practical mediums. The department is well equipped with an undergraduate research laboratory, a crude drug museum & herbarium specimen of several plant materials; and modern equipment essential for extraction and isolations of natural medicinal products.



## VISION

- To explore the potential of natural resources as pharmaceuticals, nutraceuticals & cosmeceuticals.
- To establish a unique platform for developing modern dosage forms by utilizing constituents from natural sources through innovative teaching, research and training.

## OBJECTIVES OF THE DEPARTMENT

- ✓ To enrich the students by providing knowledge of modern techniques for isolation, screening & utilization of phytochemicals.
- ✓ To update the skills of students in identifying & characterizing the constituents of natural resources.
- ✓ To encourage students for discovering different active moieties from natural sources.
- ✓ To highlight the importance of drugs from natural origin in the treatment of diseases.

## FACILITIES

The strength of the department in PGIMS lies in its modern labs, sophisticated instruments and high-quality research output. Academic credibility of the department of Pharmacognosy is envisaged by its changing curriculum to meet the current requirements of pharmaceutical Industry. The department offers extensive training in all aspects of natural products including latest developments in the scientific field. The laboratory is well equipped with high resolution microscope such as projection microscope and binocular microscope. Usage of such microscope assists in easy understanding of the microscopy of the crude drugs and easy dissemination of knowledge. The department is also supported with a medicinal garden.

## SCOPE

The department of Pharmacognosy caters to the modern needs of Industry by providing conducive ambience for learning and develop skills to befit the industrial and academic demands. The growing needs for herbal drugs standardization and analysis in the pharmaceutical, herbal/ayurvedic, nutraceutical and cosmeceutical industries has paved the way for the requirement of well trained personnel. With the launch & progress of "AYUSH" by Indian Govt., the scope for the Pharmacognosy students is becoming wider.

## JOB PROSPECTS

- Research scientist in R & D in any herbal medicine company
- Clinical coordinator in pharma companies.
- QA Analyst
- Regulatory Manager
- Drug discovery and drug design
- Testing or labeling for nutritional supplements







## COURSE OF PHARMACY

### BACHELOR OF PHARMACY (B.PHARM)

Degree awarded by **MAKAUT**  
(formerly known as **WBUT**) &  
approved by **PCI**.

**DURATION** : 4 Years (Full Time)

**COURSE FEES** : Rs. 4,06,000/-  
3 Years (lateral entry)

**COURSE FEES** : Rs. 3,06,000/-

#### ELIGIBILITY

Passed 10+2 examination with Physics, Chemistry & Biology /Mathematics as compulsory subjects. Obtained at least 45% marks (40% in case of reserved category) in the above subjects with individual pass marks in both theory & practical wherever applicable) in all 3 subjects as regular class mode. Must have passed English in XI, XII exams with at least 30% marks.

Students with H.S (10+2 in science) or equivalent examination and have rank in Joint Entrance Examination (Main) conducted by Central Board of Secondary Education or the Joint Entrance Examination conducted by the West Bengal Joint Entrance Examination Board for admission in Engineering, Pharmacy & Technological degree colleges as recommended by the said board.

Diploma holders in Pharmacy, qualified in West Bengal Joint Entrance Examination for Lateral Entry (WBJELET) are eligible for entry to the 3rd semester of B.Pharm.



## CURRICULUM HIGHLIGHTS

- **Pharmaceutics**
- **Pharmaceutical Technology**
- **Pharmaceutical Jurisprudence**
- **Pharmaceutical Marketing Management**
- **Pharmaceutical Chemistry**
- **Pharmaceutical Analysis**
- **Pharmacology**
- **Biochemistry**
- **Microbiology**
- **Pharmaceutical Engineering**
- **Pharmaceutical Biotechnology**
- **Physiology**
- **Computer Applications & Drug Design**
- **Advanced Mathematics**
- **Remedial Biology**
- **Environment & Ecology**
- **English Language & Communication**
- **Anatomy, Physiology & Health Education**







## COURSE OF PHARMACY

### DIPLOMA IN PHARMACY (D.PHARM)

Degree awarded by West Bengal state Council of Technical and Vocational Education and Skill Development and approved by PCI.

**DURATION** : 2 Years (Full Time).

#### COURSE FEES :

**PART - I** : 75,000/-

**PART - II** : 75,000/-

#### ELIGIBILITY

Passed 10+2 examination with Physics, Chemistry, Biology or Mathematics as compulsory subjects.

Obtained at least 45% marks (40% in case of reserved category) in the above subjects with individual pass marks in both theory & practical wherever applicable) in all 3 subjects as regular class mode.

Must have passed English in XI, XII exams with at least 30% marks.

Students with H.S (10+2 in science) or equivalent examination or passed B.Sc 1st year and have ranked Diploma in Pharmacy entrance exam conducted by West Bengal Health and Family Welfare Department. Students passed 1st year of B.Sc of three year degree course also can join D.Pharm course.



### CURRICULUM HIGHLIGHTS

- Pharmaceutics-I
- Pharmaceutics-II
- Pharmaceutical Chemistry-I
- Pharmaceutical Chemistry-II
- Pharmacology & Toxocology.
- Pharmaceutical Jurisprudence.
- Drug Store & Business Management
- Hospital & Clinical Pharmacy

Above subjects are taught spread over not less than 180 working days.

In addition to that 500 hours of practical training are spread over a period of less than three months.







## COURSE OF PHARMACY

### MASTER OF PHARMACY (M.PHARM)

Master of Pharmacy (M.Pharm) is the standard Postgraduate Program in Pharmacy which can be obtained after the completion of B.Pharm degree. M.Pharm - Pharmaceutical Chemistry is a non-dispensing area of study in Pharmacy which deals more in research aspects of the subject. The particular course is structured in a manner to cater whole technical, researched, practical & theoretical knowledge of pharmacy incorporating both the traditional as well as modern medicines.

It is the discipline at the intersection of chemistry, especially synthetic organic chemistry, and pharmacology and various other biological specialties, where it is involved with design, chemical synthesis and development for a market of pharmaceutical agents (drugs). It provides students with the latest updated knowledge of receptor theories, enzyme kinetics, principles of drug action, modern methods of drug design, metabolism and pharmacokinetics and advanced organic chemistry. The course is career oriented & opens many jobs for them after its completion.

#### OBJECTIVES :

The objective of the program is to :

- Develop drug delivery system concepts based on biological, physicochemical and pharmaceutical approaches.
- Strengthen their fundamentals and skills in analytical techniques.
- Inculcate the GMP, GLP and Regulatory guidelines in pharmaceutical practices.



#### OUTCOME :

After completion of this program, the graduates will :

- Design and investigate the drug based potential dosage form.
- Analyze the approved API dosage form by different analytical techniques as per Regulatory guidelines.
- Review the documentation, IPR issues and regulatory guidelines for pharma industry.
- Determine biopharmaceutical parameters for existing dosage forms and establishing in vitro-in vivo correlation.
- Select the excipients, production technology and instrumentation in the development of novel drug delivery system.



#### CAREER PROSPECTS :

Career prospect of M. Pharm Pharmaceutical Chemistry in India are very diverse and might witness a wide spectrum of lucrative employability opportunities in a wide variety of industries and areas of employment. Thus, we can see an up rise demand amongst the students. Some of the areas of recruitment for graduates are:

- Analytical Chemist
- Food and Drug Inspector
- Drug Therapist
- Health Inspector
- Pharmacist
- Research Officer
- Pharmacovigilance
- Regulatory affairs



## ANALYTICAL CHEMIST :

The demand for chemical analysis is growing across several industries, from environmental sample testing, to verifying the health and safety standards of pharmaceutical, cosmetic, and FMCG products. Analytical Chemists are also employed in hospital and public health laboratories, government and environmental agencies, and independent consultancies and research organizations.



## FOOD & DRUG INSPECTOR :

Drug Inspectors are specialists who monitor a drug's safety, utility performance, and consistency from the time it is manufactured until it is sold in a retail outlet. Drug Inspectors, also known as quality control inspectors ensure that medicines are suitable for human consumption. It is a prestigious position offered by the Govt. So clearing UPSC examination is a pre requisite.



## PHARMACOVIGILANCE :

The role of pharmacovigilance is to assess whether the benefits of a drug outweigh the risks and it doesn't stop after the drugs are certified. PV involves ongoing monitoring of drugs to ensure they remain safe for use, especially since previously undetected adverse events can occur at any time. IT companies like Cognizant, Wipro, Astra zeneca, Accenture do use to hire fresh bachelor in pharmacy students for their role.



## HEALTH INSPECTOR :

A health inspector ensures whether the facility requires any action to eliminate hazards. They visit various food facilities, public health nuisances to inspect that standard safety measures regularized by state government authority. They work as compliance officers for both local as well as state government who have the authority to suspend businesses and issue fines to places that do not adhere to the health and safety standards.

## PHARMACIST :

A Pharmacist is a responsible healthcare professional who is an expert in specializing in the usage and administration of medication. Pharmacists are experts on how drugs work and interact with the body so that patients who take them achieve the best possible results. They play an important role in developing and handing medicines to the general public as well. A career as a pharmacist involves aligning with health facilities, private doctors, clinics, and every pharmaceutical organization. They also review for safety levels of newly manufactured drugs, recommendations on drugs with proper diets, medication or no prescription medicines, and also advise the suitable type of medicines such as pills, vaccines, injections, ointments and syrups. In the pharmacy career in India, individuals also handle the manufacturing, promotion, and supply of medicines as well.



## QUALITY ASSURANCE :

This is a very important career aspect of this stream. Organizations require expertise to assure the quality of the drug which is manufactured and after the assurance, the medicine is released to market for selling. In this field, there are regulatory departments who are responsible for control and regulation for quality of the drug and receive certification from different organization such as WHO, USFDA, MHRA etc.

Apart from the above, M.Pharm Pharmaceutical Chemistry scope in India extends job opportunities in Govt. Regulatory organizations, being an academics and making thousands of future responsible citizens. In short, There is no lack of job opportunities abroad for Pharmacy graduates.



## RESEARCH & DEVELOPMENT :

Upon completion of M.Pharm in Pharmaceutical Chemistry, students can opt for further research & development. Aspiring students can carry out research work in their discipline and find more about the new drug discovery, design, development and synthesis (or isolation of drugs from plants) of new medicinal agents. This stream is in extreme demand in today's society.







# PARAMEDICAL AND ALLIED HEALTH SCIENCE

School of **Paramedics & Allied Health Sciences** in PGIMS is designed as one of the best model paramedical Institutions in Eastern India where raw talents are shaped, guided and polished to emerge as thorough professionals in the highly competitive knowledge-based world. It has been established to play a pivotal role to produce performance-oriented professionals who will excel in their respective fields with excellence and shape the destiny of our healthcare industry.

PGIMS is dedicated to create and strengthen teaching and skill building of paramedical and allied health science courses in West Bengal and neighbouring states to meet the rising demand of skilled health workforce and contribute to the rising need of employment in West Bengal specially amongst the socially & economically downtrodden area of Paschim Medinipur, Jangal Mahal. The school is poised to develop as one of the best model paramedical college in eastern India to play pivotal role to produce performance-oriented paramedic professionals that would shape the destiny of India's health care industry. It aims at developing competence and provides students with facilities for quality education, complete laboratory training and clinical exposure.

PGIMS thrives to become the choicest institute in India, providing quality paramedic and allied health science education and skill to create industry ready professionals. It tries to achieve its goal by providing high-tech laboratory facilities to the students. Along with the laboratory facilities, it works at providing qualified and experienced faculties to help students for acquiring hands-on training sessions. We have collaborated with Hospitals, diagnostic centers and various research labs to provide real time training experience to the students.

The curriculum framed is approved by experts of each field and is approved & recognised by Health & Family Welfare Department, Govt. of West Bengal and affiliated to West Bengal University of Health Sciences.

## OBJECTIVE

- ✱ To craft an internationally competitive & research focused department, open to the needs of the people, while distributing superlative edification and knowledge.
- ✱ To place it in the forefront of research and development, invention, knowledge transfer and human resource development in the global academic field and industry.
- ✱ To provide trained, qualified, technical personnel in the field of Paramedical Science to support the medical profession.
- ✱ To ensure that educational opportunities for development of skills. The emphasis of the Paramedical Science education programme is on developing a cadre of small entrepreneurs, especially, rural youth. This programme conceived as "Total Employment, Training for Total Development", focuses on the concept of turning the unskilled to skilled.



## MANAGING COMMITTEE

Dr. Pravas Ghosh

Honourable Founder Chairman

Smt. Anindita Ghosh

Honourable Founder Member

CS Arijit Ghosh

Executive Member

Dr. Pranali Ghosh

Member

Dr. Indira Bhaskar Biswas

Principal (Paramedical)

Subrata Karmakar

(Representative of GFC Hospital, Ghatal)

Nominee of DME, Govt. of West Bengal

Ex-Officio

University(WBUHS) Representative

Ex-Officio

Dr. T.K.Karmakar, Chairman,  
GFC Hospital , Ghatal

Member





# COURSES OFFERED

## PARAMEDICAL AND ALLIED HEALTH SCIENCE >>

Courses affiliated to WBUHS & Recognized by Directorate of Medical Education Gov. of W.B.

B.Sc in **Medical Laboratory Technician**  
B.Sc in **M.L.T. (LAT.)**

B.Sc in **Operation Theatre Technology**  
B.Sc in **O.T.T. (LAT.)**

B.Sc in **Physician Assistant**  
B.Sc in **P.A. (LAT.)**

**Bachelor of Physiotherapy**  
**Bachelor of Physiotherapy (LAT.)**

B.Sc in **Critical Care Technology**  
B.Sc in **C.C.T. (LAT.)**

M.Sc. in **Medical Microbiology**

M.Sc. in **Medical Biochemistry**

M.Sc. in **Applied Nutrition**

Master in **Physical Therapy**  
**(Orthopaedics)**

M.Sc in **Laboratory Technology in**  
**Biochemistry**

M.Sc in **Laboratory Technology in**  
**Microbiology**



## PARAMEDICAL AND ALLIED HEALTH SCIENCE >>

Courses affiliated to VU, approved by WBUHS, Recognized by Directorate of Medical Education Govt. of W.B.

B.Sc in **M.L.T**

M.Sc in **M.L.T - Applied Microbiology**

M.Sc in **M.L.T - Clinical Biochemistry**

M.Sc in **M.L.T - Advance Pathology & Hispathology**

M.Sc in **M.L.T - Haematology & Blood Transfusion**





## DEPARTMENT OF PARAMEDICAL AND ALLIED HEALTH SCIENCE

### Medical Laboratory Technology (M.L.T.)

**Medical Laboratory Technology** also called Clinical laboratory science is an allied health profession which is concerned with the diagnosis and prevention of disease through the use of clinical laboratory tests. In addition, this field of science studies various clinical applications of microbes for the improvement of health. These tests help doctors to detect, diagnose and treat diseases. Medical Laboratory Technology is one of the largest and important wings in modern healthcare Sector.

A Medical Laboratory Technologist (MLT) also referred to as a medical technologist, a clinical scientist, or clinical laboratory technologist do these tests by analyzing body fluids, tissues, blood typing, microorganism screening, chemical analyses, cell counts of human body etc. They play an important role in collecting the information needed, sampling, testing, reporting and documentation of these investigations. They determine the presence, extent or absence of disease and provide data needed to evaluate the effectiveness of treatment.



### OBJECTIVES

The mission of the Medical Laboratory Science Program is :

- To provide the highest standards of learning, the faculties are committed to prepare competent Medical Laboratory Scientists with the necessary skills, attitudes, and professional integrity to become contributing professionals in the health care community.
- To provide the student with opportunities and environment in which effective requirements of the professional medical laboratory scientist are developed.
- To provide opportunity for the student to become aware of the medical team and its responsibility for delivery of quality health care.

### COURSE LEVEL - U.G & P.G

### JOB PROSPECTS

- Hospital and individual laboratories as Clinical technologist/Lab managers.
- Research and development laboratories as a research scholar/Scientist
- In various biotechnological industries as research assistant/Fellow
- As a medical laboratory Scientist in abroad hospitals and laboratories
- ISO and NABL certified laboratories as senior technologist.
- Teaching jobs in allied health colleges
- Self-sufficient individuals for employment. (Self-employment)







## DEPARTMENT OF PARAMEDICAL AND ALLIED HEALTH SCIENCE

### Operation Theatre Technology (O.T.T)

**Operation Theatre Technology** is a detailed technical occupation in the field of health science. An operation theatre (OT) technologist forms an integral part of the operation theatre in any hospital and facilitates the surgical procedures, by preparing the equipment that are necessary for any surgical procedures. He/she also looks after all the work and management of the operation theatre which includes managing the patients in and out of operation theatre, looking after all the surgical equipment, arrangement of operation theatre table, dressing table, anaesthesia table as well as management of the staff. The technologist is trained in various surgical branches such as General Surgery, OBG, Cardiac, Orthopaedics and Urology. Needless to say, the more astute and nuanced medical sciences fields are becoming, there is a requirement for more professionals in the field.

It is the Operation Theatre Technician who supervises the circumstances in the operating room and continually measures the requirement of the patient and surgical team. These technicians make sure that every single process in the operation theatre is as secure and flourishing as possible. Their prime duty is to take care of all the work and management of the operation theatre which comprises of looking after all the surgical instruments, their sterilisation, preparation of dressing table, operation theatre table, instrument table as well as anaesthesia table. They also look after the drugs necessary for surgery, anesthetic gases, drapes and all the linen and their sterilisation.



### OBJECTIVES

The further aim of the curriculum is to produce Operation Theatre Technologists who are

- ✓ technically and clinically competent
- ✓ aware of safety issues and the importance of quality assurance
- ✓ understand the theoretical basis for evidence-based practice
- ✓ effective members of the multidisciplinary team.

### COURSE LEVEL - U.G

### JOB PROSPECTS

- Operation Theatre Technician
- Scrub Technician
- Surgical Technician







## DEPARTMENT OF PARAMEDICAL AND ALLIED HEALTH SCIENCE

### Physician Assistantship (P.A)

**Physician Assistantship (PA)** programme is an American concept which was introduced in India few years ago.

Physician Assistants are formally trained to provide diagnostic, therapeutic and preventive health care services in virtually all medical specialties, as delegated by a physician. Working as members of a health care team, they take medical histories, perform physical examination, order and interpret laboratory tests and X-rays and make diagnosis. They also manage minor injuries by suturing, splinting and casting. PAs record progress notes, instruct and counsel patients, and order to carry out therapy.

There are several job offers from various institutions. PA is a skilled health care professional, who is qualified in academic and clinical training to provide health care services under the supervision of a specialist. They undertake all matters of a patient from preparing medical histories, examining patients, writing case summaries, arranging laboratory tests like X-rays, ECGs, ultrasonogram, counseling patients etc. The doctors who have busy practice may not get time to take care of all the problems of a patient. At this juncture the role of the PAs becomes vital. The PAs work in different departments such as Out-Patient wing, Operation theatre, Catheterization labs, Coronary care units, Intensive care units, Organ Transplant units, Reproductive Medicine, Orthopedics and trauma care and Nuclear Medicine. The scope of this course is tremendous in our country.



### OBJECTIVES

The objective of the course is

- ✓ To prepare the students proficient in clinical reasoning and self-directed learning through a comprehensive curriculum of basic and clinical sciences.
- ✓ To demonstrate a high level of medical knowledge and effectively apply that knowledge to patient care.
- ✓ To produce graduates who demonstrate cultural sensitivity, and respect for individual differences among colleagues and patients.
- ✓ To train the students in patient care related activities without independent powers in patient's final treatment or its decision making.

### COURSE LEVEL - U.G

### JOB PROSPECTS

- Assist physician in clinic, hospital, health centre etc
- Can work individually in rural health centres.







## DEPARTMENT OF PARAMEDICAL AND ALLIED HEALTH SCIENCE

### Physiotherapy

**Physiotherapy** or Physical Therapy (P.T.) is a Movement Science with an established theoretical and scientific base and widespread clinical applications in the Prevention, Restoration & Rehabilitation, Maintenance and Promotion of optimal physical function. Physiotherapists diagnose and manage movement dysfunction and enhance physical and functional abilities. This physical dysfunction may be the sequelae of involvement of any of the systems like Musculoskeletal, Neurological, Cardiovascular, Respiratory or other body systems. We, at PGIMS offer both Bachelor of Physiotherapy (BPT) & Master of Physiotherapy (MPT).



### OBJECTIVES

The objective of this course is to prepare the students :

- ✓ To acquire adequate knowledge of basic medical subjects and to develop skills and techniques of therapeutic exercise and therapeutic modalities so that they can manage various medical surgical conditions of patients.
- ✓ To acquire knowledge so that they can point out by assessing the medical and surgical conditions of the patient.
- ✓ To acquire skills in management, research and teaching as well as guidance and counseling of patients.
- ✓ To acquire proper attitude for compassion and concerns for patients and welfare of physically handicapped in the community.
- ✓ To practice moral and ethical values with regard to physiotherapy.



### COURSE LEVEL - U.G & P.G

### JOB PROSPECTS

- Consultant Physiotherapist in Multi-specialty Hospitals, Health Care Centers, NGOs
- Corporate Physiotherapist in MNCs
- Health Care Physiotherapy Instructor in Modern Gymnasiums
- Ergonomic Care Advisor
- Physiotherapist in Special Schools for Physically Challenged Children
- Physiotherapist in Old Age Residential Homes
- Sports Physiotherapists along with Sports Associations, Sports Team, individually hired physiotherapists by elite athletes
- Entrepreneurs in Rehabilitation Centers/ Organizations
- Private Practitioners running Private Physiotherapy Practice
- Lecturer
- Clinical Researcher







## DEPARTMENT OF PARAMEDICAL AND ALLIED HEALTH SCIENCE

### Critical Care Technology (C.C.T)

B.Sc in **Critical Care Technology** is a well in demand course. Services of an critical care technologist are highly desired in every hospital and healthcare unit. Here in this course students will be learning all about intensive care given to the ICU patients. To be more precious they will learn about theoretical and practical aspects of equipment and machinery used in intensive care units such as learn Electrocardiogram (ECG), Echocardiography, Computerized Treadmill Test (TMT), Intra-Aortic Balloon Pump (IABP), Extra Corporeal Membrane Oxygenation (ECMO) among others. Apart from these, students learn about Operating Theatre Technology and about Critical care.



### OBJECTIVES

- ✓ To make the students ready technically, intellectually and professionally skilled so that they will be able to provide comprehensive nursing care to correct core body systems alteration for critically ill patients.
- ✓ To provide an extensive training in the field of Anatomy, Physiology, Biochemistry, Microbiology, Pathology, Blood Transfusion technology, Pharmacology, common infective and non - infective disorders, common renal disorders, ICU, medical records and medico - legal aspects, etc. to the students so that they are not only able to assist their clinicians in critical care units but also able to effectively manage the hospital affairs. The candidate will be competent enough to provide all type of assistance to his clinician in running and managing an intensive care unit

### COURSE LEVEL - U.G

### JOB PROSPECTS

- Critical Care Technician
- Intensive Care Unit Technologist
- Emergency Medicine Physician
- CAT Technician
- Dialysis Assistant
- Respiratory Therapist







## DEPARTMENT OF PARAMEDICAL AND ALLIED HEALTH SCIENCE

### Medical Microbiology

**Medical microbiology**, the large subset of microbiology that is applied to medicine, is a branch of medical science concerned with the prevention, diagnosis and treatment of infectious diseases. In addition, this field of science studies various clinical applications of microbes for the improvement of health. Medical microbiology is a field of scientific study that includes looking at bacteria, viruses, and parasites in connection with disease and illness.

The aim of Medical Microbiology course is to introduce basic principles and application relevance of clinical disease for students. The content of rigorous course includes many etiological agents responsible for global infectious diseases. It covers all biology of bacteria, viruses and other pathogens related with infectious diseases in humans. The course will provide the conceptual basis for understanding pathogenic microorganisms and particularly address the fundamental mechanisms of their pathogenicity. It will also provide opportunities for a student to develop diagnostic skills in microbiology, including the practical application and interpretation of laboratory tests for the diagnosis of infectious diseases.



### OBJECTIVES

The objective of the course is to make students able

- ✓ to identify common infectious agents and the diseases that they cause.
- ✓ to evaluate methods used to identify infectious agents in the clinical microbiology lab.
- ✓ to recall microbial physiology including metabolism, regulation and replication.
- ✓ to explain general and specific mechanisms by which an infectious agent causes disease.
- ✓ to recognize and diagnose common infectious diseases from the clinical presentation and associated microbiology.
- ✓ to describe the epidemiology of infectious agents including how infectious diseases are transmitted.
- ✓ to assess treatment strategies including the appropriate use of antimicrobial agents and common mechanisms of antimicrobial action and resistance.
- ✓ to explain interventions employed to prevent infectious diseases including infection control measure and vaccines.



### COURSE LEVEL - P.G

### JOB PROSPECTS

- Senior position in Government agencies, such as the Center for Disease Control and the National Institutes of Health
- Private health care services and philanthropic organizations,
- Pharmaceutical companies
- Academic researcher in Medical schools and university-affiliated teaching hospitals
- Veterinary hospitals
- medical and clinical laboratory technologist.
- Biomedical scientist
- Biotechnologist
- Clinical research associate
- Clinical scientist, immunology
- Food technologist
- Medicinal chemist
- Microbiologist
- Nanotechnologist
- Pharmacologist
- Research scientist (life sciences)







## DEPARTMENT OF PARAMEDICAL AND ALLIED HEALTH SCIENCE

### Medical Biochemistry

**Medical Biochemistry** is the study of chemical reactions and combinations which take place in biological processes. Under this programme, students are instilled with the qualities to handle technical equipment, conduct study and draw statistical evidence. The Medical Biochemist is a specialist in laboratory medicine and trained in the operation and management of clinical biochemistry.

As the programme progresses, optional course units included in the coursework may show aspirants how biochemistry allows us to understand and treat diseases. Subject areas include cell cycle control, molecular biology of cancer, and genetic diseases. Final assessments are made based on their performances. This programme is streamlined for biochemists considering a career in research into the biochemical basis of disease and therapeutic medicine.



### OBJECTIVES

The objective of the course is to enable student

- ✓ to build up strong laboratory and diagnostic skills. This is built around a practical element, with an emphasis on developing these skills.
- ✓ to assume, inquire and analyse, apply logical principles, validate assumptions, solve problems, integrate knowledge and widen perspective.
- ✓ to use preventive and therapeutic interventions effectively
- ✓ to demonstrate proficient and appropriate use of procedural skills, both diagnostic and therapeutic
- ✓ to establish and maintain clinical knowledge, skills and behaviours appropriate to Medical Biochemistry.

### COURSE LEVEL - P.G



### JOB PROSPECTS

■ Biochemist ■ Biomedical Scientist at Govt. Public health organization. ■ Research Fellow. ■ Analytical chemist. ■ Pharma Associate. ■ QA / AC Associate. ■ Healthcare scientist. ■ Clinical biochemistry. ■ Food Safety Analyst ■ Patent law ■ Forensic science ■ Science journalism.







## DEPARTMENT OF PARAMEDICAL AND ALLIED HEALTH SCIENCE

### Applied Nutrition

"Nutrition & Dietetics is the science of diet and its effect on human health. This field focuses on scientific understanding of nutrition and its practical application in the field of healthcare and rehabilitation of patients."

It is a 2-year program designed to enhance knowledge and skills of nutrition and to develop critical evaluation skills through an integration of Nutrition, Dietetics and Research. The students also learn about new and expanding areas of research in the field of Dietetics and Nutrition and acquire necessary Research oriented skills.

The course opens up a plethora of career opportunities ranging from dietitian, marketing, research, teaching, sports nutritionist and a very upcoming field of nutrition journalist.



### OBJECTIVES

The main objective of the master's degree is :

- ✓ to impart knowledge & develop capacities of the students through the state higher education in the areas of Food Science, Human Nutrition, Food Safety & Quality, Food Processing etc.
- ✓ To teach ways in order to improve health related to certain Eating and Nutritional Habits.
- ✓ To provide proper Consultation to patients & design Nutritional Therapies.

### JOB PROSPECTS

- Dietician or Nutritionist in different Hospitals, Nursing Homes and also in Private Clinics, Fitness Centre & Health Clubs.
- Content writer in different advertising agency or publications
- Nutrition Advisor, Nutritional Representative in Medical Nutritional Companies.
- Nutritionist in Sports & Exercise field.
- Teaching & Research fields as a Teachers, Professors and Scientists.







## DEPARTMENT OF **PARAMEDICAL AND ALLIED HEALTH SCIENCE**

### **Physical Therapy (Orthopaedics)**

Physical Therapy (Orthopedics) focuses on the rehabilitation of individuals with musculoskeletal injuries or disorders. Students in this program learn to diagnose, treat, and prevent a variety of orthopedic conditions through physical interventions like exercises, manual therapy, and modalities such as heat or cold therapy. The course emphasises an understanding of human anatomy, biomechanics, pathology, and therapeutic techniques. Students also gain hands-on experience in clinical settings, working alongside professionals to develop patient care plans that enhance mobility, reduce pain, and improve quality of life. Ultimately, this program prepares graduates to become skilled physical therapists specialising in orthopedic rehabilitation.



### **OBJECTIVES**

The objectives of a Physical Therapy (Orthopedics) are to equip students with the knowledge and skills needed to assess, diagnose, and treat musculoskeletal disorders. It focuses on rehabilitation techniques, pain management, mobility restoration, and prevention of injuries. The course emphasizes understanding anatomy, biomechanics, and evidence-based treatment strategies to optimize patient recovery and improve functional outcomes.

### **COURSE LEVEL - U.G & P.G**

### **JOB PROSPECTS**

- Administrator, superintendent or different managerial positions in several Hospitals / Nursing homes / Health centers or any other Healthcare organisation.
- Health project Manager in National & International organisations such as W.H.O/ UNICEF etc.
- Health Care Consultancy or Hospital, Consultancy firms as a designer and planner.
- Health consultant in Health Insurance Companies, Medical Software Companies, IT and Telemedicine.
- As an Academician in College and Universities.







## DEPARTMENT OF PARAMEDICAL AND ALLIED HEALTH SCIENCE

### Laboratory Technology in Biochemistry

Laboratory Technology in Biochemistry refers to the application of specialised instruments, techniques, and protocols to analyse biochemical substances and processes at the molecular level. It integrates biology, chemistry, and analytical instrumentation to understand the chemical basis of life. The primary objective of this field is to accurately detect, quantify, and interpret biochemical markers to diagnose diseases, monitor therapies, and advance research in metabolism, enzymology, and molecular biology. It ensures precision, safety, and efficiency in biochemical testing. The future of biochemistry lab technology lies in automation, miniaturisation, and integration with AI, enabling real-time diagnostics, personalised medicine, and high-throughput screening. Innovations like lab-on-a-chip and biosensors are set to revolutionise both clinical and research landscapes.



### OBJECTIVES

\*Objectives of Laboratory Technology in Biochemistry :

- **Accurate Diagnosis of Diseases:** Enabling precise detection and quantification of biomolecules (e.g., enzymes, hormones, metabolites) to identify and diagnose a wide range of medical conditions such as diabetes, liver disorders, and cancer.
- **Monitoring of Treatment and Disease Progression:** Providing reliable data to track the effectiveness of therapies and monitor the progression or remission of diseases over time, aiding in personalized treatment adjustments.
- **Support for Biomedical Research:** Facilitating the investigation of biochemical pathways, molecular interactions, and genetic expressions to advance understanding of human biology and disease mechanisms.
- **Quality Control and Standardisation:** Ensuring the accuracy, reproducibility, and safety of biochemical analyses through strict adherence to standardized protocols and quality assurance procedures.
- **Innovation and Development of Diagnostic Tools:** Driving the development of new assays, techniques, and instruments that improve sensitivity, speed, and cost-effectiveness of biochemical testing in clinical and research settings.\*



### COURSE LEVEL - P.G

### JOB PROSPECTS

- Biochemist
- Biomedical Scientist at Govt. Public health organisation
- Research Fellow
- Analytical chemist
- Pharma Associate
- QA / AC Associate
- Healthcare scientist
- Clinical biochemistry
- Food Safety Analyst
- Patent law
- Forensic science
- Science journalism







## DEPARTMENT OF PARAMEDICAL AND ALLIED HEALTH SCIENCE

### Laboratory Technology in Microbiology

Laboratory Technology in Microbiology is a specialised field that combines microbiological knowledge with hands-on technical skills to support the diagnosis, monitoring, and control of microbial infections. Professionals in this discipline play a critical role in healthcare and industry by ensuring accurate testing, proper specimen handling, and adherence to safety standards. Through advanced lab techniques and quality assurance practices, they help deliver reliable data for disease management, research, and public health protection.

As infectious diseases e.g., COVID-19, antibiotic-resistant bacteria continue to challenge public health, diagnostic laboratories are expanding, there is an increased need for skilled lab technologists to perform accurate and timely testing. Laboratory Technology in Microbiology has a bright future with opportunities for steady employment, professional growth, and meaningful contribution to health, safety, and science. Continuous learning and adaptation to emerging technologies will be key to staying relevant in this evolving field.



### OBJECTIVES

Objectives of Laboratory Technology in Microbiology :

- To develop proficiency in handling, culturing, and identifying microorganisms using standardized laboratory techniques.
- To ensure the accurate collection, labeling, and analysis of clinical and environmental specimens.
- To apply biosafety and quality control protocols to prevent contamination and ensure laboratory accuracy.
- To support the diagnosis of infectious diseases through microbial testing and result interpretation.
- To maintain and calibrate laboratory equipment for optimal performance and reliable data output.
- To prepare graduates for roles in medical diagnostics, research, pharmaceutical, and food microbiology laboratories.

### COURSE LEVEL - P.G



### FUTURE PROSPECTS :

#### 1. Career Opportunities in Multiple Sectors

- Hospitals and diagnostic labs
- Pharmaceutical and biotech industries
- Food and water safety labs
- Environmental monitoring
- Public health agencies and research labs

#### 2. Integration with Technology

- Automation, Artificial Intelligence (AI), and molecular diagnostic tools (like PCR and genomic sequencing) are reshaping lab workflows.
- Lab technologists trained in new technologies will have a competitive edge.

#### 3. Global Health and Pandemic Preparedness

- Greater emphasis on early detection of emerging pathogens and bio-surveillance will continue to grow.
- Lab professionals are essential to national and international epidemiological monitoring systems.

#### 4. Education and Specialization

- Opportunities for further specialization in molecular diagnostics, clinical microbiology, or biotechnology.
- Advanced roles possible through postgraduate studies, certifications, or on-the-job experience.

#### 5. International Opportunities

- Countries with aging populations or limited healthcare staff (like Canada, UK, and Gulf nations) actively recruit qualified lab technologists.





## CAREER PROSPECT OF

# PARAMEDICAL AND ALLIED HEALTH SCIENCE STUDENTS

In modern world, Paramedical & Allied Health Sciences has emerged as an important branch of medical science which has been served as a lateral aid to the medical science, in terms of diagnosis and treatment of diseases. A paramedic is personnel who works in a healthcare field in an auxiliary capacity to a physician. Almost all the diagnostic procedures are carried out by the paramedical staffs and they have emerged as vital cog in the wheel of the healthcare delivery system. So, career as a paramedic can be incredibly rewarding and it can offer a number of benefits for those suited to a career in the medical profession both in private and govt. sectors. Moreover, the population explosion coupled with the mushrooming of private and corporate hospitals have provided numerous opportunities for skilled Paramedics.

After completing the basic courses, the candidate can easily get a job in a hospital, nursing home, clinic health department, Military & Armed forces etc.

According to the statistics of the health department in recent past, there are 23 thousand vacant posts for Health technician in approximately 35 thousand PHC's. Apart from this, chance of being recruited by the International Health Agencies like WHO, UNICEF Red Cross, Recruitment in Radiological and Atomic Research Centre.



- \* Critical Medical caretaker
- \* Ambulance Officer
- \* Medical Assistant
- \* Radiographer
- \* Medical Lab Technologist
- \* Medical Lab Assistant
- \* Emergency Medical Technician
- \* Advanced Life Support paramedic.
- \* Academics in Paramedical
- \* Entrepreneurship
- \* Nutritionist
- \* Clinical Research associate
- \* Microbiologist







# ANINDITA INSTITUTE OF NURSING

Recognized by **DHS (Nursing Section), Swasthya Bhawan, Govt. of WB,**  
Approved by **INC & Affiliated to WBNC & WBUHS**



## WHY NURSING

It is widely known that Healthcare plays a very important role in any country. Furthermore, Nursing, a very strong pillar of Healthcare was forced into ancillary activity of physicians, as an appendage of physician's work for years and characterized by passive sub-ordination. Over a course of time, the role of a nursing professional has evolved from a subordinate to an independent stakeholder in health care delivery; especially Covid 19 has shown the society the mirror of what nursing profession is. As the world, especially India continues to reel under the calamitous of various waves of Covid 19 with massive community spread, tolling deaths and so on, the need for more nursing professionals in the country's healthcare system has been felt more obvious.

As per the statistics of April'2022 provided by the Union Health ministry, India has 1.96 nurses per 1,000 population. As per Indian Nursing Council records, there are around 33.41 lakh registered nursing personnel, including 23,40,501 registered nurses and registered midwives, and 10,00,805 nurse associates (9,43,951 Auxiliary Nurse Midwives), and 56,854 lady health visitors in the country.

Not only the above statistics is alarming, world scenario is also no less. Worldwide, 4.7 million nurses are expected to retire by 2030. When combined with the existing nursing shortage and aging Baby Boomer population, that results in the need for 10.6 million new nurses by 2030.

The above figures clearly show the scarcity of nurses against the ratio of today's daily increasing population; needless to say that scarcity in any profession creates job opportunity. This scarcity of nursing professional in India has compelled the authority to increase undergraduate seats from 51,348 before 2014 to 89,875 in the year 2021 which is a hike of 75 percent and in recent years increasing percentage is even higher. The number of post-graduate seats has increased by 93 percent from 31,185 before 2014 to almost 75000.

Serving mankind has always been motto of Gopsai Avinandan Sangha. Also the issue which was bothering us for quite some time was Brain draining of our own state's youths for studying Nursing. Hence, the data shown above was emerged as an opportunity to us for serving the society further; thus Anindita Institution of Nursing (AIN) the most sought for Institution for the aspiring future nurses in Eastern India has started its journey under the umbrella of Gopsai Avinandan Sangha in the year 2021 with a commitment to foster and present competent, caring and compassionate nurses to the society who are humane, collaborative, devoted to work and multicultural in their outlook.



## ■ OBJECTIVE

We, at AIN diligently promote value based yet true to professionalism driven education system, which is noteworthy for shaping a student's future in the best possible manner. With this view the college provides the state-of-the-art infrastructure, best faculties from the nursing service arena, well organised digital library with OPAC facility.

We, at AIN believe that Nursing is widely considered as an art and a science, wherein caring forms the theoretical framework of nursing. Nursing and caring are grounded in a relational understanding, unity, and connection between the professional nurse and the patient. Thus, we are dedicated to follow the thought of the Angel of Nursing, Florence Nightingale:

"Nursing is an art: and if it is to be made an art, it requires an exclusive devotion as hard a preparation as any painter's or sculptor's work; for what is the having to do with dead canvas or dead marble, compared with having to do with the living body, the temple of God's spirit? It is one of the Fine Arts: I had almost said, the finest of Fine Arts."



## ■ MISSION

- To serve as a role model for transforming the health of rural Underprivileged regions through excellence and innovation in nursing education, leadership, research, scholarship and practice.
- To promote education to develop professionalism that commensurate with global standard.
- To foster innovative research that will benefit humanity and improve the nursing standards.
- To educate, empower and embolden diverse healthcare professionals who make a difference in building a healthy community and nation.
- To intensify the individual student to become a good leader and self-motivator in the professional practice of nursing.
- To provide different levels of nursing education programmes with a strong theoretical base and varied clinical experience which contributes to excellence and leadership in the professional practice of nursing.
- To provide quality education by inculcating moral and spiritual values, character building, and social awareness to the community's health care needs for holistic development of future nurses.

## ■ VISION

Our vision is to build a nursing workforce who is compassionately educated to demonstrate excellence in advancing inter-professional, equitable and ethical healthcare which is aligned with population needs that advances health equity and transforms the health and well-being of our nation as well as the globe.





**EXECUTIVE BODY :**

NAME	PROFESSION	DESIGNATION
Dr. Pravas Ghosh	Educationist	Chairperson
Smt. Anindita Ghosh	Social worker	Member
CS. Arijit Ghosh	Social worker	Member
Dr. Pranali Ghosh	Doctor	Member
Principal	Service	Member
Nominee of DHS, Govt. of W.B	Ex-Officio	Member
Nominee of INC	Ex-Officio	Member
Nominee of WBNC	Ex-Officio	Member
Nominee of WBUHS	Ex-Officio	Member



**Smt. Santa Rani Sahoo, Principal**  
M.Sc in Nursing

**FROM THE DESK OF  
THE PRINCIPAL**

Our institute was founded in 2021 with a dream of proving ourselves as one the best nursing educational institute of India. Anindita Institute of Nursing believes in quality education with a student first policy. To go along with our philosophy, the College is equipped with all modern educational technology, state of art laboratories and well qualified teachers and guest lecturers. At AIN, we help the students to learn about the recent advancements in the field of Nursing Sciences and to bridge the gap between theory and practice, so that they can create a future both for themselves and the patients. Hands on clinical training at Government and Private reputed hospitals nearby, help the students in delivering quality care to the students.

We also believe that there is no growth without research. We encourage our students to involve in research work. In nutshell we are striving to 'develop outstanding holistic, empowered professional nurse leaders in providing excellent, compassionate health care at local, national and global level.

I welcome all the aspirants who desire to choose nursing as their career to our institution where career orientation and moral values flank the mainstream learning process.



**Dr. Pravas Ghosh**  
Honourable Founder Chairman

**FROM THE DESK OF  
THE CHAIRMAN**

It's my pleasure to welcome my dear students to Anindita Institute of Nursing. Healthcare is incomplete without Nursing Education. So after successfully commencement of Pharmacy and Paramedical Education we at Gopsai Avinandan Sangha established Anindita Institute of Nursing in the year 2021. Nursing is an Art and Science. The art of nursing entails professional nurse to deliver care tactfully with compassion, caring and respect for each client's dignity. As a science, nursing is based upon a body of knowledge that is always changing with new discoveries and innovations. When nurses blend the science and art of nursing into their practice the quality of care provided to clients is at a level of excellence that benefits clients in innumerable ways.

GNM & BSc. Nursing Programmes are broad based education within an academic framework specifically directed to the development of critical thinking skills, competencies and standards required for practice of professional nursing.

The teachers have the responsibility to be role models and create learning environment that enables students to acquire inquiry driven, self directed learning and foster an attitude of lifelong learning.

We, at Anindita Institute of Nursing strive to achieve the excellence in nursing education and clinical practice. We also provide an arena for our student's total development by including co curricular and extra-curricular activities.

The opportunities for a nurse are limitless. A professional nurse may choose any number of careers including clinical practice, education, research, management, administration and even entrepreneurship. The horizon has expanded both at home and abroad including Western, European & Middle Eastern countries.

As the nurse educators of 21st century, we must show innovation and creativity for the professional development of nurses so as to help reshape the health care system.

I am certain that Anindita Institute of Nursing will grow to greater heights in the years to come to attain the pinnacle of excellence in the field of Nursing.

I wish my students success in all future endeavors.





## COURSES

### General Nursing & Midwifery :

This course is popularly known as GNM which is a diploma course with a span of three and a half years. GNM emphasises teaching Nursing students the importance of the community healthcare and Midwifery. GNM course can be pursued after the completion of the 12th board from any stream. The eligibility criteria also includes a minimum of 50% aggregate. This course demands to be qualified through entrance examination WBJEE ANM GNM.

### Importance of GNM :

The profession of a General Nursing Midwifery (GNM) is an age-old one that has only gained more importance in contemporary times due to the increasing population, ailments and diseases. To begin with, they play a very important role in assisting doctors in their work in operation theatres, hospital wards, etc. Thus we can say they act as the hand of a doctor.

They also play a very important role in educating the patients and communities about various diseases and preventative measures. They educate people about Sexually Transmitted Diseases (STDs), the benefits of maintaining personal and public hygiene, etc

Due to their dedication towards society and towards their work, GNM is considered to be a very respectable job in society.

### B.Sc Nursing :

B.Sc. Nursing is a four-year undergraduate programme focussed on developing critical care advanced thinking skills proficiency and values necessary for the practice of professional nursing and midwifery as mentioned in the National Health Policy 2002. The programme is streamlined to enable students to address the health needs of the nation, society and individuals. The programme prepares students to become responsible citizens by following a code of moral values and conduct at all times while fulfilling personal, social and professional responsibilities to respond to national objectives. This course can be pursued after the completion of the 12th board from science stream. This course demands to be qualified through entrance examination WBJEE JENPAS.

A person who is genuinely interested to serve the society by treating and caring patients should not think twice before taking this course. As a nurse, a person makes a huge difference in people's lives. A caring and compassionate nurse is considered as a guardian angel by patients. This can be a very satisfying and gratifying career for the compassionate.

## CAREER PROSPECT OF NURSING :

Gone are the days where students graduating with nursing degrees are pigeon-holed into wearing scrubs and working their entire careers in a hospital setting. It's the time to acknowledge that Nursing profession has expanded and nurses are now researchers, health policy advocates and educators, and have advanced their careers to decipher the role far more than it had been at inception. The work of nursing, to consistently influence nursing concepts not only includes caring for the sick and the public, but being advocates for wellbeing and impacting positive patient outcomes.

Statistics expects the employment of nurses to increase 9% to 15% by 2030, creating about 400000 additional nursing jobs. With job opportunities in nursing on the rise, aspiring students have scope to go for further degrees in academia like M.Sc in nursing & further research degrees.

So it is quite evident that the career opportunity in Nursing studies are in abundance in India with the changes of society's new perspective towards the profession. Nevertheless, there are huge opportunities in abroad as well in terms of work, respect and money. So, some of the roles of the nurses are shown below.



- Nurse
- The Nursing Service's administrator
- Nurse Practitioner in the Home
- Nursing tutor / Clinical Instructor.
- Certified nurse midwife
- School Nurse
- Nurse Educator
- Clinical Social Worker
- Medical Writer
- Dean of nursing
- General Nurse practitioner
- Dean of nursing
- Gerontological nurse practitioner
- Family nurse practitioner
- Telemedicine nurse
- Nursing informatics
- Legal Nurse Consultant
- Forensic Nurse

## CLINICAL ALLIANCE :

Nursing education consists of the theoretical and practical training provided to nurses with the purpose to prepare them for their duties as nursing care professionals. This education is provided to student nurses by experienced nurses and other medical professionals who have qualified or experienced for educational tasks, traditionally in several clinical platform like hospitals, clinics or nursing home etc.

Few are the names mentioned below :

- Nirnoy Hospital, Medinipore
- Chandrakona Rural Hospital
- Kharagpur SD Hospital
- Debra Hospital
- Spandan Nursing Home, Medinipore
- Bala Sun Centre
- Salboni Superspeciality Hospital
- Ghatal Superspeciality Hospital





# INTEGRATED ANTI-RAGGING CELL

**Anti-Ragging Cell** is one of the most important parts of Educational Institution's mechanism. As per the guidelines of UGC under the Act of 1956, which is modified as UGC regulations, 2009 on curbing the menace of Ragging in higher Educational Institutions.

Ragging has been a disturbing reality in the higher education system of our country. Until the directions of the Supreme Court, UGC and AICTE conforms that if any instance of ragging is brought to the notice of the administration or the faculty, it is legally binding on the institute to bring the incident immediately under the purview of law and order. Every single incident of ragging or abetting in ragging puts an obligation on the institution to get the FIR registered. There are provisions in the IPC, which can be used by a student to register an FIR in the nearest Police Station.

Though each Institution has its own Anti Ragging Committee, we have formed a centralised Anti Ragging Committee that oversees all the other committees to ensure safety and security of every student.

## Anti-Ragging Committee

DESIGNATION	PARTICULAR	ROLE
President	Gopsai Avinandan Sangha Group of Institutions	Coordinator
Secretary	Gopsai Avinandan Sangha Group of Institutions	Convenor
Principal(s)	All Colleges Run and Managed by Gopsai Avinandan Sangha Group of Institutions	Member(s)
OC	Chandrakona Town Police Station	Member
BDO	Block Development Office (Chandrakona-II)	Member
SDO	Sub Divisional Officer, Ghatal Sub Division	Member

# OBJECTIVES OF ANTI-RAGGING COMMITTEE

**Anti-Ragging Committee is the supervisory and advisory committee in preserving a Culture of Ragging Free Environment in the college Campus. The main objectives of this cell are as follows :**

- To aware the students of dehumanizing effect of ragging inherent in its perversity.
- To keep a continuous watch and vigil over ragging so as to prevent its occurrence and recurrence.
- To promptly and stringently deal with the incidents of ragging brought to our notice.
- To generate an atmosphere of discipline by sending a clear message that no act of ragging shall be tolerated and any act of ragging shall not go unnoticed and unpunished.

**As per the order of Supreme Court of India and subsequent Notification from University Grants Commission (UGC), ragging constitutes one or more of any intention by any student or group of students on :**

- Any act of Indiscipline, Teasing or Handling with Rudeness.
- Any act that Prevents, Disrupts the Regular Academic Activity.
- Any activity which is likely to cause Annoyance, hardship, Psychological Harm or creates Fear or Apprehension.
- Any Act of Financial Extortion or Forceful Expenditure.
- Any Act of Physical Abuse causing Assault, Harm or danger to Health.
- Any Act of abuse by spoken words, emails, SMS or public insult etc.
- Any Act of injury or infringement of the fundamental right to the human dignity.
- Any Act of Wrongful Confinement, Kidnapping, molesting or committing unnatural offences, use of criminal forces, trespass or intimidation.
- Any unlawful assembly or conspiracy to ragging.

# PUNISHMENT TO THOSE FOUND GUILTY

Any student or group of students found guilty of ragging in the campus or even outside the campus shall be liable to one or more of the following punishments

1. Debarring from appearing in any sessional test/University Examination
2. Suspension from attending classes and academic privileges
3. Withdrawing scholarships and other benefits
4. Suspension from the college
5. Cancellation of the admission
6. Withholding the results.





Who else can describe A Library better than our very own Nobel Laureate Gurudev Rabindranath Tagore who while mentioning the significance of libraries in **Bichitra Prabandha** wrote,

“If one could control the age long tumult of the ocean in such a way that it would remain quiet like a child asleep, then that silent, uproar could be compared to a library. Here language remains silent, the mighty waves still, the deathless lustre of the human soul is here enchanted in black print in the prison house of paper. If of a sudden they were to rise in rebellion, break upon the silence and make good their escape through the barrier of print! As many a flood lies congealed in the hard snow in the heights of the Himalayas, so the library encompasses within its narrow limits the mighty torrents of the human soul.” (TRANSLATED)

These very precious words narrate precisely how important library is in life of students.

Central Library of Gopsai Avinandan Sangha plays a pivotal role in the teaching-learning process of the College. It is the fulcrum of all academic activities of all courses and research studies. The Library has a rich collection of around 1,00,000 books, valuable reference books, journals, educational CDs/DVDs and e-books, e-journals, and other resources for the use of its members.



Website : [gas-opac.kohacloud.in](http://gas-opac.kohacloud.in)



Our central library is fully digital. We use world's best library management software Koha which is a fully featured, scalable library management system that enables the students to access the library from where he/she is. Through Online Public Access Catalogue (OPAC) students can search the library database to know the status of the Library Book. One can search this OPAC by entering the Name of the Title, Name of the Author, Call Number and Accession Number of the Book. Since the original implementation in 1999, Koha functionality has been adopted by thousands of libraries world-wide, each adding features and functions, deepening the capability of the system.

With the integration of the powerful Zebra indexing engine, Koha became a viable, scalable solution for libraries of all kinds. Koha includes modules for acquisitions, circulation, cataloguing, serials management, authorities, flexible reporting, label printing, multi-format notices, offline circulation for when Internet access is not available, and much more. It's web-based interface, has made it more user friendly as it can be accessed as is where is mode.

Website : [istonline.org.in/EDUMISSION](http://istonline.org.in/EDUMISSION)



■ **READING ROOM**

The Central Library of the College has well-equipped, well-lit and spacious reading room facility with seating capacity of 120 users. The reference books, periodicals and current awareness sections also function from reading room for reader's convenience.



■ **BOOK BANK FACILITY**

Book bank facility is an integral part of the Central Library which is offered to all the students. They can opt for the facility and collect books from the book bank and keep those books till the end of the semester. They don't need to have any extra eligibility for availing this facility. Book bank is offered from the very first day the semester starts.

■ **E JOURNALS**

Globalization has broadened the arena of knowledge over the years and it has become a mandatory requisite for any student to get connected with the world activities. Considering the need of the students we have made available various e-journals for the students. To name a few e-journals which we subscribe throughout the year, we must mention :



ELSEVIER  
E-Journals Series



WILEY Blackwell  
E-Journal Series



Bentham Science  
Pharmacy Collection  
of E-journals Series



## ■ DIGITAL LIBRARY

Apart from our own Digital Library there are other reputed digital libraries where we hold our membership so that our students can refer those for more knowledge. (For Engineering Students):

- IEEE Xplore Digital Library
- McGraw Hill Library
- National Digital Library of India

IEEE Xplore®  
Digital Library

Mc Graw Hill ACCESS Engineering

National Digital Library of India

## ■ NEWSPAPER ARCHIVES

A Library is incomplete without newspapers. So the facility for reading newspapers and also experiencing the essence of decade old newspapers are being suggested here :

List of online newspaper archives

## ■ PRINT & PUBLISHING

The Print & Publishing House of a Gopsai Avinandan Sangha was set up to serve as a modern hub for producing high-quality printed materials using advanced digital technologies. It plays a key role in supporting academic needs by producing course materials, research publications, and promotional content efficiently. The department exhibits high personal and organisational productivity & efficiency, extends co-operation and provides support for the institutional strategic objectives. The house of publishing and printing of Gopsai Avinandan Sangha is committed to the values of co-operation and communication, mutual departmental respect, creativity and innovation, excellence of service. With the endeavour of keeping things readily available for the students The GOPP website has been formed with following conveniences :

THE GAS OFFICIAL  
Press & Publication

**THE LAB MANUAL :** The lab manual is a vital resource in academic courses, particularly in fields involving practical work and experiments. The manual serves as a structured reference that ensures consistency and accuracy in experimental procedures, helping students understand theoretical concepts through hands-on learning. By offering step-by-step instructions, the lab manual enhances students' learning experience and ensures they develop the necessary skills for scientific inquiry. All the students of Engineering, Pharmacy, Paramedical can access there syllabus wise Manuals from the website.

**CLASS NOTES :** Class notes are an essential resource for students, providing a detailed record of lectures, discussions, and key concepts covered during class sessions. These notes serve as a personalized reference for students to revisit important topics, clarify doubts, and reinforce their understanding of the subject matter. Class notes also act as a valuable tool for revision and group study, ensuring that students stay on track with the curriculum and can easily review material when needed.

**QUESTION PAPER :** The question papers from past and present academic years serve as a valuable tool for both students and faculty. They offer insights into the evolution of exam formats, the scope of topics covered, and the changing patterns of assessment over time. Past question papers are often used for revision and practice by students, helping them familiarise themselves with the types of questions and the level of difficulty they may encounter. Faculty members may also use them to analyse trends in student performance and to adjust future assessments accordingly, ensuring they are both relevant and challenging; hence its an effort from our side to accumulate the question papers in a space of GOPP website.

**WEB MAGAZINE :** A web magazine featuring students' work serves as an inspiring platform to showcase their creativity and talent across various fields, from writing and art to design and innovation. By providing students with the opportunity to have their work published and shared with a broader audience, the magazine encourages self-expression and empowers them to explore and refine their creative abilities. This platform not only highlights the diverse skills of the student body but also fosters a collaborative environment where students can engage with each other's ideas, gain feedback, and feel motivated to push their creative boundaries. It serves as a valuable tool for building a vibrant, artistic, and intellectually stimulating community within the campus across several group of institutions.

Press & Publication Website : [www.gopp.gasonline.org.in](http://www.gopp.gasonline.org.in)

ELIXIR

Creating an opportunity for the students to enhance and improve their creative skills is also a responsibility of any educational institution. ELIXIR was published first in December '2014 with a good initiative of management, Faculties and student of Gopsai Avinandan Sangha. All of them given their tireless efforts to come up with some new thinking & creativity. That tradition still continues, sometimes yearly, sometime once in two years. We hope to continue this to ignite and nurture the creative mind of the students.

## FACILITIES AT CAMPUS ►

### ■ ATM

Our campus is equipped with a 24/7 ATM, providing students, faculties, and staffs with convenient access to cash at any time. Located centrally, the ATM offers a seamless and secure way to handle financial needs without leaving campus, ensuring one has the flexibility to manage his/her funds whenever necessary.



### ■ SECURITY PARTNER



A provision for a safe and secure milieu is a quintessential part of any educational establishment. Hence Safety and enhanced security systems in all our campuses with well-equipped professionals to manage the same are an inherent component which we have been vigil of. A well-equipped security management system handled by an efficient team of security personnel along with electronic surveillance throughout the campuses make those absolutely secure and students and staffs worry – free .



### ■ CAFETERIA

The campus has a cafeteria where foods of various tastes and multiple cuisines are available. It has arrangements for lunch, snacks as well as refreshments both for the employees and students. There is also a cafe corner which remains open all day and serves tea, coffee, soups and other confectionary and bakery items.



### ■ PURIFIED DRINKING WATER

The campus has made provision of pure drinking water that gets purified by modern treatment technology using Filtration, Ion exchange and Reverse osmosis to cater the drinking water needs of all the students, staff members, supporting staff and the visitors. The RO treated drinking water dispenser is made available at various locations that include Class Room Blocks, Laboratory Blocks, Administrative Block and other Centres.



### ■ POWER BACK UP

This campus is having a reliable power backup as an essential facility that ensures uninterrupted academic and administrative activities. It supports critical operations like classroom technology, research laboratories, and essential services such as lighting, heating, cooling, and campus security systems. Power backups, such as generators or solar power systems, also provide a sense of safety and convenience for students and staff during unexpected power outages. By enabling continuous access to digital resources and maintaining the functionality of campus infrastructure, the power backup system enhances the overall learning environment and operational efficiency in the college campus.





## ■ AUDITORIUM

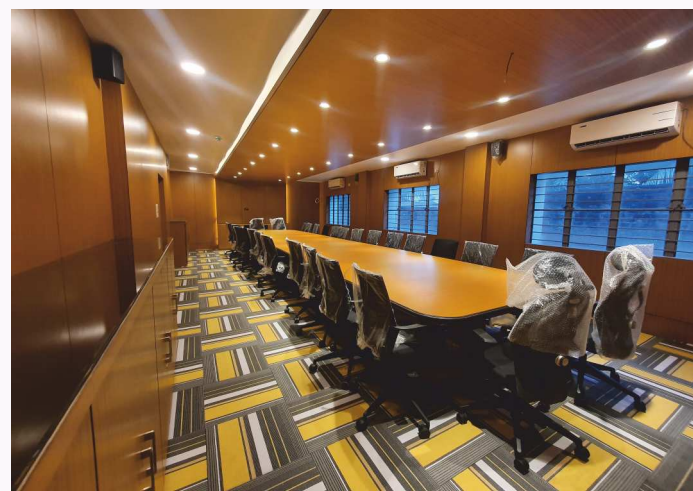
There are several auditoriums in different colleges which are well-structured and built up with all latest provisions which are used for several seminars, workshops or cultural activities. Individually entire auditorium has huge seating capacity and well-ventilated. Each auditorium is built with necessary modern equipments. They are enough spacious to welcome large number of audience on special occurrences. Auditoriums have perfect environment and ambiance for every presentation. They are designed to organize conferences, workshops, different academic events like symposiums, seminars, guest lecture etc.

The main aim behind designing an auditorium is to nurture the quality of education. We have five auditoriums including an open-air one. Each auditorium except the open-air auditorium consists of white boards, LCD Projectors and Screens. Our six auditoriums are air-conditioned, consists of all modern equipments needed for projection, fast internet access and audio systems.



## ■ SEMINAR HALL

The seminar halls of different colleges can comfortably accommodate 150 individuals and fully air-conditioned which are used for small seminars or students' presentation. It is fully equipped with modern technologies to hold conferences, meetings, concerts, presentations etc. All the four seminar halls are audio-visual enabled. It has internet access, high resolution projector, dais, podium, sound system with mikes and warm lights. It can host co-curricular activities, academic events and extracurricular activities. It is served for the purpose of learning.



## ■ ECO FRIENDLY CAMPUS

It is a call for the time that nature should be handled with a mother care. Providing a green campus should be the first step to create future responsible citizens. So, we at Gopsai Avinandan Sangha always keep all the campuses clean and green. A green campus infuses positive vibes. An eco-friendly college have cool environment. To keep the colleges eco-friendly, we have taken some initiative like :

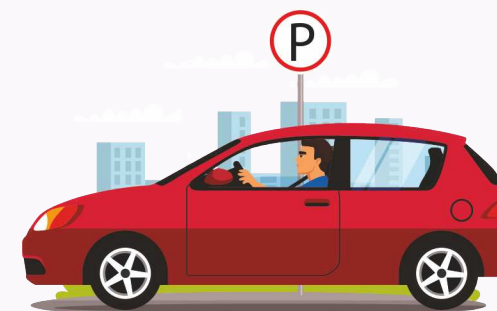
i) **Lavish Garden** - The entire College campus shelters several lavish gardens comprising of variety of flora and fauna and each of those are well maintained by the professional gardeners. There is also a medicinal garden that helps the students to pursue practical curriculum vividly. Further to this several green shades of nature in gardens helps in keeping our students feel charming inside the college campus and encourages them towards environment friendly behaviour.

ii) **Solar Lamp Post** - Solar lamp post minimize rate of pollution. It's keen on community security. This is an eco-friendly and efficient alternative source of traditional lighting. This is a better way to conserve our natural resources. The paths of the college campus are rowed with solar lam post on both the sides.

iii) **Waste & Water Management** - Our college campus is plastic free. The biodegradable waste are deposited and used as fertilizers for plants and trees and non-biodegradable waste are buried under the soil. There is a high demand of water in our college to run the laboratories, canteen, dining, gardening purpose and toilets. So the institution ensures to minimize the use of water through rain water harvesting. The rain water are collected from the roof of buildings, hostels, colleges, workshops and staff quarters and deposits in a pit which further purified in RO with capacity of 2000 liters. The waters are then used to drip water in the garden, in cleaning purpose etc.

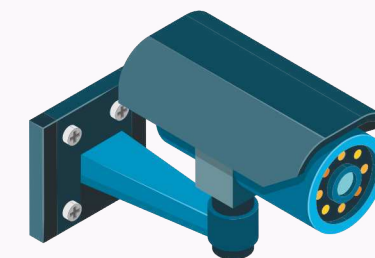
## ■ CAR PARKING :

The college provides vast premises for four and two wheelers parking for both the staffs and students. The car parking zone of teachers and students are separate. Both students and staffs who park their car have to maintain certain rules and regulations prescribed by the institution. Honking horns are strictly prohibited in the campus and speed limit norms should be followed. The owner of the vehicle should carry a relevant government prescribed document inside the college campus.



## ■ CCTV SURVEILLANCE

Our college provides complete security and safety to everyone in the campus by providing 24\*7 CCTV surveillance. Every actions and events are monitored under high definition CCTV cameras by the attendees to keep the environment and workplace safe. The CCTV cameras are installed in laboratories, front offices, stair cases, canteen, garden, entrance gate, common room, parking lots and supply rooms. This ensures safety & security of the students which is considered as an extra solace to the guardians as well.



## ■ DEDICATED MAINTENANCE TEAM

Our maintenance team is distributed department wise and maintains all the equipments in the laboratories. The classrooms are cleaned every day; toilets are washed many times in a day so that the basic hygiene is maintained uninterruptedly. Gardens, Roads, Offices, Parking areas, Playgrounds are kept spick and span. Drinking water areas are kept clean. The maintenance team works selflessly and keeps the environment clean and safe. Their dedication deserves nothing but kudos from us.



## ■ ELECTRICAL MOBILITY USE FOR UTILITY APPLICATION

Our campus offers a reliable and efficient transportation system designed to make commuting easy and hassle-free. With a fleet of eco-friendly and well-maintained E-transports students and staff can travel seamlessly between campus buildings. Whether you're heading to class, an event, or just need a ride, our campus transport ensures you can get where you need to be on time and comfortably.





DIGITAL INITIATIVES : E-CONVENIENCE

Even before we realised, we have entered slowly into the digital world. New and transformative lifestyle and technologies were rapidly entering into our daily lives even before the pandemic, enabling all to innovate and thrive in an increasingly digital world. Thus, we have been experiencing to have students from various parts of the country. Our well developed and informative websites are helping the students to get their required information. We aimed at enlightening the “Rural Bengal” and situated within the territories of Rural Bengal but we are at par with the digital standards of the era and we have taken a lot of initiatives as an organisation on various sectors that we operate in for the ease of managing and aiding both, our students and our staffs. The Digital Initiatives taken at Gopsai Avinandan Sangha Group of Institutions covers wide range requirements of the organization. It emphasizes mainly on availability of data at any given point of time. The in house developed software EDUMISSION has not only made data accessible at any given point of time but also significantly reduced the time and resource tied to obtain any given information.

E-COMMUNICATION / WEBSITE

We have given our best effort to provide details of all the courses in our website of all colleges so that students of all genre can be satisfied with their quest for information. Also, we keep updating our all websites regularly so that no information is left out.

E-NOTICE

Existing students are constantly kept informed by hosting all important Notices on websites from colleges and approving Boards. All efforts would be made by us to update academic and other relevant information from time to time and also to update the website for the continuous benefit of all concerned.

DIGITAL LIBRARY

Powered by : koha

For the betterment of student’s accessibility towards education we have uploaded every book to our online library through internationally acclaimed software KOHA, where students can login with their user id and password and read the available books at any point of time from any place in the world as long as they are connected to the internet. Koha includes modules for acquisitions, circulation, cataloguing, serials management, authorities, flexible reporting, label printing, multi-format notices, offline circulation for when Internet access is not available, and much more. It’s web-based interface, has made it more user friendly as it can be accessed as is where is mode. Not only books, considering many students like to prepare for competitive exams, we have kept news paper in the library so that if any student wants, he / she can go and read the news paper and stay up to date.

GRIEVANCE REDRESSAL CELL PORTAL

Powered by : Orell

The Grievance Redressal Cell of colleges aims to look into the complaints lodged by any student and redress it as per requirement. The students can state their grievance regarding any academic and non- academic matter within the campus through the online grievance portal

www.istonline.edugrievance.com

www.pgims.edugrievance.com

The aim of the cell is to settle the grievances of the students and other stakeholders within a reasonable time period for further strengthening the bond of the students with the institution by providing them with all kind of facilities to a satisfaction level for maintaining a convenient ambience of academic teaching and learning.



ORGANISATION RESOURCE PLANNING

Our web based Organisational resource Planning Software named and titled as EDUMISSION has been introduced to make students’ life easy as it significantly enhances the student (and also staff) experience by integrating key processes from online admission to receiving the final college leaving certificate; yes, it includes library management as well. For students, EDUMISSION provides a centralised platform to manage various aspects of their academic journey, such as course registration, grade tracking, attendance monitoring, fee management, and academic scheduling. The library module within the system enables students to easily search for, borrow, and renew books, access digital resources, and track their borrowing history. For staff, EDUMISSION automates administrative tasks like student admissions, academic record management, payroll processing, scholarship processing and several other documentation of student life till bidding them farewell with issuing the College leaving certificate. The system also fosters seamless communication between faculty, administrative staff, and students, creating a more efficient and well-organised institution. Overall, EDUMISSION has improved operational efficiency, enhancing both the academic experience for students and the workflow for staff.

Powered by : EDUMISSION

Co - Powered by : Tally, TCS, SBI, IDFC BANK

**Social Networking** – We are currently available on all the media platforms such as Facebook, LinkedIn, Instagram, X Handle and on YouTube to showcase the activities happening in the institute and as a general informative platform to the public.

So, this was the brief synopsis of the digital initiatives taken at Gopsai Avinandan Sangha as of now. A lot of new projects are being developed and will be updated and implemented in the near future.

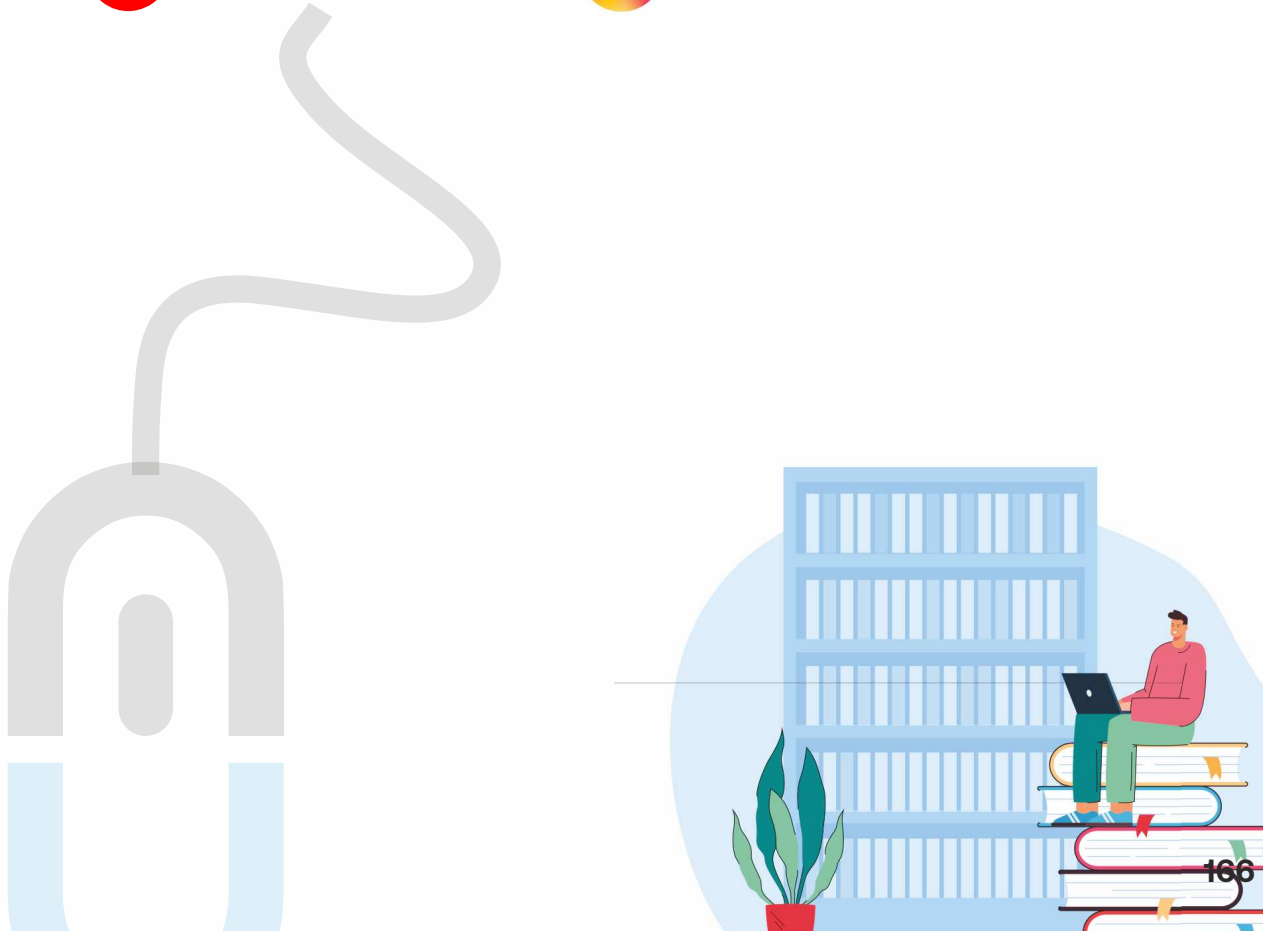
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## LIFE AT CAMPUS

### ■ WORKSHOPS

#### (Seminars & Webinars Topics)

Several workshops are conducted by the departments of Engineering and Management college of IST to encourage students to understand the practical scenario and to put them ahead of the syllabus-oriented learning. Some recent workshops and webinars conducted on following topics.

- ✓ Issues in the real time systems
- ✓ Zero to one – about entrepreneurship
- ✓ computational studies of industry and research applications
- ✓ Machine learning using Python.
- ✓ CNC Machining Workshop
- ✓ Foundation design a7 analyse using SAFE.

### ■ KNOWLEDGE SHARING PROGRAMS

To keep the students abreast about the progress in healthcare, PGIMS organises various Seminars, Workshops, Webinars; also, guest lecturers are invited as a part of knowledge sharing programme. Certain topics that have been covered through various platforms last year were as below:

- Pharmacy & Healthcare: A journey from traditional to today's technology driven society"
- "Perspectives in Drug Discovery : Changing Paradigms"
- "Clinical Research Scenario in India"
- "Role of Pharmacovigilance to create Healthy India"
- How to keep your community running during the COVID-19 pandemic.
- Covid 19 vaccination.



## Days To Be Celebrated

### ■ ENGINEER'S DAY

Every year the Engineer's day is celebrated on 15th September to commemorate the services of Bharat Ratna & Sir M. Visvesvaraya.

The event is initiated with a working model making competition or of same kind of activity, participated by the students of the Institute.

This is the day to remind the students to start feeling and role playing as young Engineers, right from their first year of engineering education so that they can immerse themselves into becoming engineers on purpose.

Our college also felicitates local Engineers for their outstanding work for the society.



### WORLD PHARMACIST DAY



### ■ WORLD PHARMACIST DAY

The World Pharmacist day is observed across the world on September 25 to promote their commitment to organise activities that promote and advocate for the role of the pharmacist in improving health in all parts of the world. So did the students and teachers of PGIMS. The teachers explained and reminded the future pharmacist about their commitment towards the society.

### ■ SPORTS AND GAMES

The sports events provide students a relief from their busy routine and help them to remain fit "both physically and mentally.". Thus, the colleges under Gopsai Avinandan Group of Institutions seriously promotes the participation of students in in different sports activities. Beading sweats out of the busy schedule of the students in the vast playgrounds gives them solace to relive every day.

As a part of Annual Sports Event Celebrations, cricket and football Tournaments are conducted in sports & games for staff as well as students vis-à-vis. Annual sports of the institution is celebrated in January/February every year.



### ■ CULTURAL ACTIVITIES

Cultural awareness and participation play an integral role in our student's campus life. Our cultural activities in campus has aimed to give all students the opportunity to be involved in culturally enriching activities, to give those students with special talents a chance to extend themselves and to grow in their area of expertise, to expand our students' appreciation of cultural activities. They conduct various cultural programmes like, dance, singing show, drama, elocution, debate, photography etc. Besides this, they also celebrate different days marked in calendar. Students celebrate birthdays of Swami Vivekananda, Netaji Subhas Chandra Bose, Mahatma Gandhi, A.P.J Abdul Kalam, Kabiguru Rabindranath Thakur etc. They also celebrate Saraswati Puja, Republic Day, Independence Day, Teachers' Day, Womens' day, International Mother Language Day & many more.



### ■ ALUMNI MEET

Efforts were made to contact all the old students of this institution who are serving within and outside the country. Alumni meet of all colleges are organized at every alternate year in the campus.



## CLUB ACTIVITES



### ■ BIKE RIDING CLUB

Here students with a passion for safe drive and exploring the nature at the same time is encouraged along with their regular study. Motor cycle touring club or Biking Club meant for the students who carry the passion for travelling on their motorcycles.

Members go out on regular rides across the beautiful natural locations and hills across Odissa, West Bengal, Sikkim. Also we are having a plan to explore Northern India in near future.

### ■ PHOTOGRAPHY CLUB

With the growth of technologies, a large community of youth have become photography passionate. To encourage their passion and to Promote photography and video skills among students, we organise regular photography trips to beautiful natural locations across Paschim Medinipur, Odissa, Purulia, Bankura, North Bengal, Sikkim. We have a plan to explore more areas and photo walks in and around the town as well. Apart from that we organise workshops and technical seminars, events focusing sketching, photography, editing, shooting, filming.



### ■ EDUCATION TOUR CLUB

An Educational Tour or A Field Trip is a visit to a place away from their normal place of study. The purpose of this trip is to provide students an experience outside the class rooms or labs. It is about exploring new environments and cultures. One of the most important benefits of an educational tour is that it subtly develops an understanding of various social issues around the area travelled. Discussing during the trip help the students to find solutions to real life problems and makes them innovative. Throughout the year the Education Club is involved in a variety of events.

### ■ SPORTS CLUB

The Sports Club is especially designed to give students a platform to enter into a world of health and wellness. The Club extends a wide range of sports activities. Moreover, it is a platform for all the sports enthusiasts to plan and get engaged in several activities to promote sports as an integral part of student life and organises and regulates sports competition. The club also represents the college in inter college sports competition.



## STUDENT @ SOCIAL WORK

### » SOCIAL WORK

Our students by keeping themselves engaged in social works leaves a pivotal footstep behind in addressing societal challenges and making a positive impact on communities. By participating in various service-oriented initiatives, they apply their academic knowledge to real-world issues, such as **poverty, dowry system, education, healthcare, and environmental sustainability.**

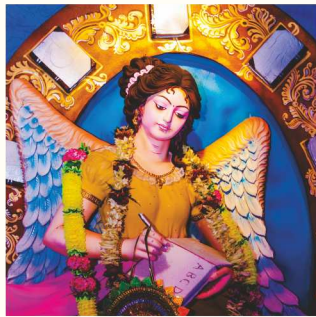
These students often collaborate with local organisations, non-profits, and government agencies to design and implement programs that support marginalised and vulnerable populations. Their involvement fosters a sense of social responsibility, empathy, and leadership, as they work towards creating tangible solutions to complex social problems. Through their efforts, our students not only contribute to the well-being of others but also gain invaluable experience that enriches their personal and professional development.



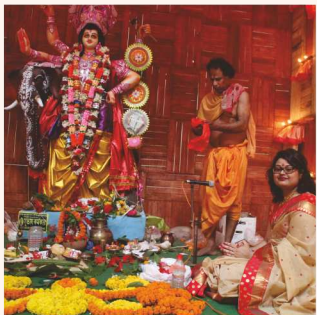


CELEBRATION AT OUR CAMPUS

PUJA CULTURE ▸ *Saraswati Puja*



PUJA CULTURE ▸ *Biswakarma Puja*







## HAPPY TEACHERS' DAY



## BASANTA UTSAV





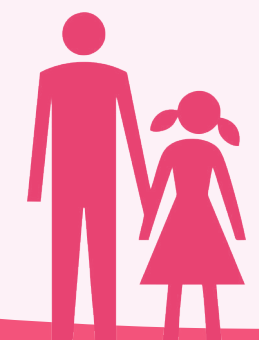




## VAN MAHOTSAV



## CHILD MARRIAGE & DOWRY

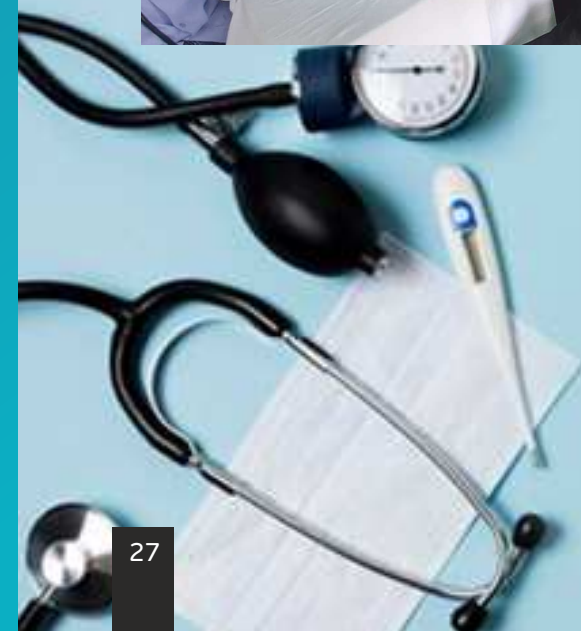




## WORLD PHARMACIST DAY

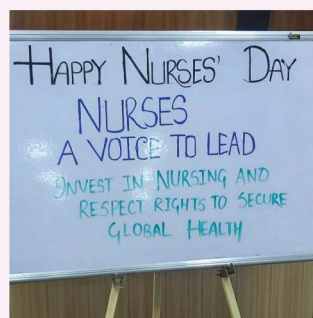
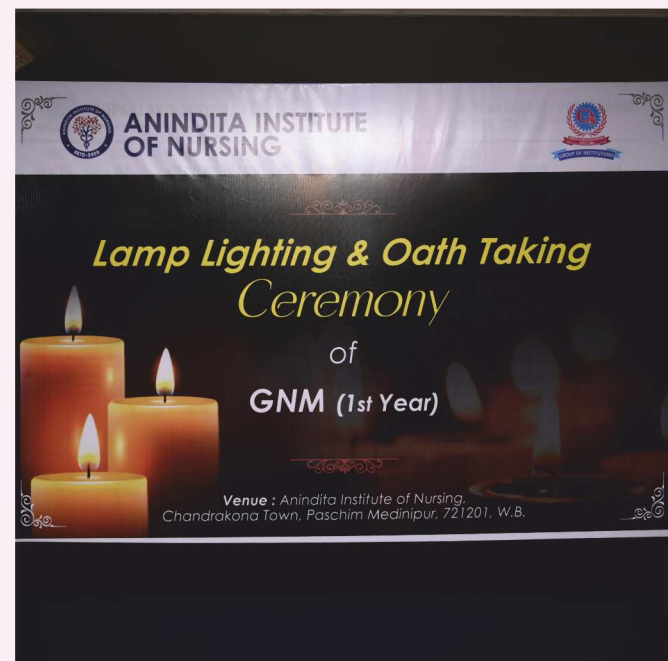


## FREE HEALTH CHECK UP CAMP





HAPPY LAMP LIGHTING CEREMONY & NURSING DAY



FRESHERS Party





## STUDENTS SPEAK



**RAINA KUMARI (C.S.E. 20-24)**

“I was a student of B.Tech (CSE) in IST and my experience was great at this college. Teachers had helped me a lot to learn the core of Computer Science and Engineering. I was also very thankful to the Training and Placement Cell for helping me to develop my confidence and personality to get placed in a reputed organization in competitive market.”



**ARPITA SINGHA ROY (B.M.L.T. 21-24)**

“I have started my journey in PGIMS (Paramedical) in 2021 with BMLT course and just about to pass out this year. My happiness knows no bound while sharing that that I have already successfully placed in a well-known hospital. I am extremely grateful to all the faculties and clinical instructors who guided me through learning all the necessary procedures that should be learnt for running a Hi-Tech laboratory. Labs here are consisted of all advanced machineries and all are in well-functioned condition. Furthermore, the hands-on training/internship in state-of-the-art Laboratory has trained me in such a way that I am confident enough to step into the professional world. I am indebted to PGIMS which has given me a new dimension of life.”



**PIU KUNDU (GNM 21-24)**

“I am a final year GNM student. From my last three year's experience I can confidently say that Our college Anindita Institute of Nursing has given us the opportunity to have clinical experiences from different hospital including government and private. This Program has given me a dynamic learning experience. The faculty provides a glance at different teaching styles and is adaptive of current nursing practices in nursing. I feel prepared to gain an entry-level job in nursing after I leave.”



**TUHIN BOSE (IST, ME 21-24)**

“My four years at Institute of Science & Engineering has been a wholesome learning experience. The faculties at Mechanical Engineering Department have played an instrumental role in my academic journey. They have always been a constant source of support and facilitated me with the opportunities to learn and grow.. The placement support has also been really dedicated and supportive throughout the placement activities. Overall, the lively and spirited campus life has given me great memorable moments that I would cherish all my life.”



**AKASH PRATIHAR (IST, CE)**

“It was my immense fortune to be the part of IST, Dept. of Civil Engineering where I could grow from a student to a professional. The entire faculty and department leave no stone unturned to shape one's future. My four years at IST have been a wonderful experience of learning with prolific exposure to industry. Huge respect, love and devotion for entire faculty members and department. It's their efforts that make me to count myself into better professionals.”



**SOURAV KUMAR PRAMANIK (M.TECH E.C.E. 21-23)**

“I am an ex-student of IST ECE, when I first joined this college, I was confused that what to do with my career. I was quite nervous that if the course will be fruitful for me or not. I had lack of confidence and communication skill and this course required both the things. But after one month I got hope from the faculties that I can get success from this course. I am very overwhelmed to the faculties and the grooming session that they help me to overcome my problems. I got confidence and a good communication skill and now I am proudly placed in one of the big organization” (ECE)



**NONDINI SHOW (C.S.E. 20-24)**

“Due to the endeavors made by the Training and Placement cell and faculties at IST, I was capable to grab a job. The college had provided all the required assistance for my development. Faculties took care of every individual student and helped in improving the technical knowledge of the students.” (CSE)



**SUCHETA ROY (B.PHARM 19-23)**

“P.G. Institute of Medical Sciences had helped me to fulfill my ambition of becoming a successful Pharmacist. It made me stronger and helped me to become independent women. I will always be grateful to my faculties who had helped me to improve my knowledge (B.PHAM)





## INDUSTRY – ACADEMIC ALLIANCE

We strongly believe that innovation is the fuel for ameliorating the socio-economic competitiveness of developing nations like India. Indian innovation ecosystem relies heavily upon the academic sector to keep itself propelling. Industry is forever scouting innovative ideas that address their R&D problems and on the other hand, academia is in pursuit of a hand-holding to translate and scale-up its lab research. Considering this we have worked out for a framework in which industry and academia could come together in a win-win situation. The Industry-Institute Partnership Cell of the college is dedicated to promote the close interaction of industry and various departments of the institute. The IIP Cell facilitates consultancy, sponsored R&D projects and industrial and academic trainings which are not prescribed in the syllabus in addition to conducting industrial exhibitions and interaction meets. As a result of tireless efforts taken in the research activities, the college has to its credit many research publications in National and International peer reviewed Journals. The faculty members have also presented research papers in various reputed national and international conferences. Furthermore, last but not least to mention that Industrial training has been made mandatory for all Under-Graduate Branches. This gives wide exposure about the various functions of the Industries.

All the effort is given for making our mission successful which are :

1. Forge industry and professional body alliances to accomplish technology transfer and meet societal needs.
2. To develop linkages with world class R&D organisations and educational institutions in India and abroad for excellence in teaching, research and consultancy practices.
3. To develop of a strong technical workforce that would bridge the gap between industry requirements and academic orientation



At **Institute of Science & Technology**, we pride ourselves on providing students with an unparalleled educational edge, combining academic excellence with vital real-world experiences. Our distinctive approach in integrating diverse industrial visits ensures that our graduates are not just degree holders but also industry-ready. These visits provide our students with a deeper understanding of the practical applications of their academic learning. This exposure not only helped students connect theoretical concepts with their practical applications but also provide them with a broader perspective on the evolving trends in engineering. We always ensure that these visits emphasize the importance of innovation, teamwork, and continuous learning in the industry, equipping the students with the knowledge and motivation to excel in their future careers as engineers. We really feel happy to share that this commitment to practical, immersive learning makes us a leading institution, ideally suited for those who seek a comprehensive and future-focused education.

### Industrial visit :



# Infosys

**campus connect**

**CAMPUS CONNECT PROGRAMME**

## Campus Connect is an industry-academic collaboration program to align engineering student skills with the industry need

The Information Technology industry is continuing to grow at a healthy rate as business are heavily dependent on IT applications for their operation. More and more enterprises are utilizing IT outsourcing as a strategic means to achieve business goal such as cost reduction, business innovation and competitive advantage. India has become the hub of IT services export and has witnessed exponential growth of employment opportunities.

IT services majors have noticed certain skill in the fresh recruits from the engg. colleges, while serving their customers. The need for our industry-academic partnership is being strongly felt in order to enhance the readiness of fresh engg. graduate workforce and make engg. students 'Industry-Ready'.

Infosys, in this Campus Connect Program, is therefore, sharing with the academic its mature technology training methods, courseware, student project samples and other such learning resources that have been developed, practiced and perfected over the last 15 years.

The Campus Connect Program has several program components weaved together to create synergy for effective, fast-paced learning. Some of them are-Conclave, road Show, Faculty Enablement Program (FEP), Industrial visits, Sabbaticals, Foundation Program Capsule Roll-Out, Sponsored Event, and Seminars.

### Connecting Academic

Infosys, in this Campus Connect Program, is therefore, sharing with academia its mature technology training methods, courseware, student project samples and other such learning resources that have been developed, practiced and perfected over the last 15 years.

The Campus Connect Program has several program components weaved together to create synergy for effective, fast-paced learning. Some of them are-Conclave, Road Show, Faculty Enablement Program (FEP), Industrial visits, Sabbaticals, Foundation Program Capsule Roll-Out, Sponsored Events, and Seminars.





## CAMPUS CONNECT PROGRAMME

The Campus Connect program for our pharmacy students is an innovative initiative aimed at bridging the gap between classroom education and real-world pharmaceutical practices. This program creates a dynamic platform where students can interact with industry professionals, participate in specialised workshops, and gain hands-on experience that enhances their theoretical knowledge. It focuses on exposing students to various sectors within the pharmacy field, such as clinical pharmacy, drug research and development, pharmacovigilance, and regulatory affairs, offering a well-rounded understanding of the industry's multifaceted nature.

Through Campus Connect, students have the opportunity to engage in internships, shadow professionals, and attend guest lectures from experts, which provide valuable insights into the latest trends, technologies, and challenges in the pharmaceutical industry. The program also fosters collaboration by enabling students to network with peers, faculty members, and seasoned professionals, helping them build essential career connections. Furthermore, it offers personalised mentorship, helping students refine their career goals and navigate the diverse paths available in pharmacy. With its focus on professional growth, skill development, and industry exposure, the Campus Connect program by Apollo Pharmacy, Medplus, Sanjeevani Hospital, Narayana Hospital, Pharma Impex Laboratories, Lupin Pharmaceuticals, Pharma Guides, ensure that pharmacy students are not only well-prepared academically but also equipped with the practical skills and experiences needed to excel in an increasingly competitive healthcare environment.



## CLINICAL ALLIANCE

Healthcare Education consists of mandatory theoretical and practical curriculum with the purpose of preparing the students for their real-life duties as healthcare professionals. So Clinical alliance is a must. A Clinical Alliance for Nursing, Paramedical, and Pharmacy students creates an integrated platform for students from different healthcare disciplines to collaborate, share knowledge, and learn from real-world clinical experiences. This partnership fosters an interdisciplinary approach to healthcare education, encouraging students to understand the roles and responsibilities of each profession. By working together in clinical settings, students develop essential skills in teamwork, communication, and real life problem-solving, which are crucial for providing holistic and patient-centered care. The alliance also promotes a deeper understanding of how different healthcare professionals contribute to the overall treatment and well-being of patients, preparing students to function effectively in collaborative healthcare teams in their future careers. This collaborative experience not only enriches students' academic journeys but also strengthens the overall quality of patient care by promoting an environment of mutual respect and shared expertise.



**KHARAGPUR  
SD HOSPITAL**



**SALBONI  
SUPERSPECIALITY  
HOSPITAL**



**GHATAL  
SUPERSPECIALITY  
HOSPITAL**



**CHANDRAKONA  
RURAL HOSPITAL**



**DEBRA HOSPITAL**



**NIRNOY**  
Hospital Private Limited  
ISO 9001:2015 Certified Company

**SPANDAN  
HOSPITAL**



## TRAINING & PLACEMENT

Under the umbrella of Gopsai Avinandan Sangha, IST has always been very proactive in assisting the placement of the students into the profiles of their preference. Even PGIMS, being new existent is no less. The institutes have well-organised placement team which play a crucial role in assisting job opportunities for Under Graduates and Post Graduates passing out from the college by keeping in touch with reputed firms and industrial establishments. The Placement team operates round the year to generate and facilitate contacts between companies and students. The teams organise both on & off campus interviews and as a result the number of students placed through the campus interviews is increasing every year making is prouder and more confident.

To accomplish the goal of the Training and Placement Cell which is to provide employment opportunities, the placement cell facilitates soft skill training programs, seminars, industry-institute interactions, workshops, aptitude tests, guidance & counselling classes, competitive exam trainings and securing placements for students in reputed organisations. The Training and Placement Cell of the college provides guidance & assistance to enable the students acquire the best possible employability and entrepreneurship skills. It provides students a platform to access and imbibe valuable resources and also acts as an interface with various companies who are seeking talented young graduates in various disciplines. TPC imparts training to students from the first year onwards giving emphasis to motivational skills, leadership qualities, communication skills, group discussions and interview techniques to ensure best possible career opportunities to all our students. We nurture industry-institute interaction, by organizing and coordinating frequent Webinars, Industrial visits in-plant Training and Projects of industrial relevance for the students, with the sole aim of zeroing down the gap between the Industry and Academia. Students are also given an opportunity to work on live projects in both government and non-government firms.

Our ingenious alumnae have set new standards in the corporates, industries and institutions all over the country and beyond through their outstanding contributions and hopefully will continue that legacy in the years to come.

We have an commendable record of assisting in placements. From the inception of the institutions, average 85% of our students have been placed at the end of each academic session. From various wings of TATA, reliance to Haldia Petrochem, our students are placed in all big brands of India. Nonetheless, they have explored several projects in abroad as well. List is quite long; Some of the reputed recruiters are:



## OUR TRAINING PARTNERS

### ENGINEERING STUDENTS



### PARAMEDICAL & ALLIED HEALTH SCIENCE STUDENTS



### PHARMACY







# RESEARCH & DEVELOPMENT

## RESEARCH

The last ten years have seen institutes at **Gopsai Avinandan Sangha** taking meticulous and meaningful steps to build reservoirs of intellectual wealth and academic excellence. In the process, the institutes under the umbrella of Gopsai Avinandan Sangha has created some of the state's best institutes across several diverse streams like Teacher Education from K,G to P.G, engineering, pharmacy, management, allied health science etc. Each institution is geared to meet the same demanding standards to create great professionals and citizens by inspiring them in many ways.

Ever since its inception, the group of Institutions have taken concerted efforts towards differentiating itself by encouraging Innovation and Research. Dedicate Research team was constituted to strengthen research activities, enhance industry interaction and to foster industry relevant research. To nurture and promote research activities of global standards has always been an area of paramount importance to us and hence we have built collaborative venture with Coloroda State University, U.S, E.U University, Europe. Needless to say that when specialists collaborate, break throughs emerge. Thus, our researchers lead global endeavours that advance our species and planet.

## MISSION & VISION

To facilitate and contribute to research in all disciplines, thereby improving yield in terms of grants, research innovation, intellectual property and publications.

## OBJECTIVES

- ✓ To create awareness and opportunities in Research and Development among the students & faculty and to create Research and Development atmosphere in every Institutions
- ✓ To promote collaboration between researchers for interdisciplinary research.
- ✓ To develop a correlation among different sectors like Industry, R&D organisations, foreign universities and apex bodies.
- ✓ To identify research priorities and initiate programmes.
- ✓ To seek research grants and promote focused research of national importance.
- ✓ To foster new collaborations and strengthen existing ones.
- ✓ To disseminate research findings in high impact publications.
- ✓ To provide logistics for researchers to implement ideas.

## SOME OF THE RESEARCH WORKS DONE BY OUR FACULTIES & STUDENTS

### » IST

- ✓ Visual E Commerce Application using Deep Learning.
- ✓ Customer feedback analysis using machine learning.
- ✓ Efficient Pattern Matching Algorithms in IDS.
- ✓ Visual E Commerce Application using Deep Learning
- ✓ Crime Prevention with Data Warehouse using OLAP through Business Intelligence.
- ✓ Ground water quality assessment with a special emphasis on fluoride and arsenic contamination in Paschim Medinipur & nearby areas.
- ✓ Sustainable Future and Technology Development.
- ✓ Experimental Comparison Between Wire Mesh and Electrical Capacitance Tomography Sensors to Predict a Two-Phase Flow Behaviour and Patterns in Inclined Pipe.
- ✓ Improvement of corrosion resistance of aluminium coatings at electric-arc sputtering with pulsating spraying flow.
- ✓ An improved torque and current pulsation suppression method for railway traction drives under fluctuating dc-link voltage.
- ✓ A novel approach in the design of optimal tuning frequency of a single tuned harmonic filter for an alternator with rectifier loads.
- ✓ Evaluation of filter design and harmonic analysis using pscad/ emtdc.
- ✓ Minimization of harmonic distortion of industrial motor drives with active power filter in paper mill.
- ✓ Fatigue resistance analysis of a fuel injection component.
- ✓ Design /analysis of machine tool elements using unigraphics/ansys.
- ✓ Cavitation in the cooling fluid of an ic diesel engine due to forces generated in a piston-cylinder assembly.
- ✓ Design and implementation of various communication systems.
- ✓ Low power CMOS design with sleep transistor.
- ✓ Design and implementation of Digital speedometer device.
- ✓ Utilising CO2 technologies for recycled aggregate concrete.
- ✓ Sustainable building materials assessment.
- ✓ Mining conditional functional dependency rules on Big Data.
- ✓ Using Data Mining Cashless society managing privacy and security in the technical time.

### » PGIMS

- ✓ A Covid-19 Patient with Immune Thrombocytopenic Purpura.
- ✓ Evaluation of Methanolic Extract of Clitoriateratea Hepatoprotective & Nephroprotective Activity in Rats.
- ✓ Remdesivir and Hydroxychloroquine : An Important First Step of Searching for Evidence to Prevent COVID-19 (SARS-CoV-2).
- ✓ Developing, evaluating, and embedding cultural competence in healthcare sector of India.

Also we have approached some foreign universities like Adams and Washington University, Addison state University, Ottawa, Canada and Ambai University, Massachusetts to facilitate scholarship for research and higher study.

## IMPACT & RESPONSE AT PANDEMIC

**Gopsai Avinandan Sangha** has joined the combat against the unprecedented global crisis in the form of Covid-19 by taking various initiatives to ensure the safety of the students, faculty, and staff while remaining uncompromising with the learning graph of the beloved students. All mass gatherings were prohibited before the declaration of the lockdown, and awareness campaigns were organised before the devastating disease unfolded vividly across India. Instant initiative was taken in terms of immediate arrangement of getting everyone sanitized under a hi-tech machine at entry gate and making the usage of mask and sanitisers mandatory in the campus. The university swiftly moved to online teaching platforms within a week for conducting classes, where the students applauded the unadulterated commitment of the management and the faculty by exhibiting higher attendance and more active participation. The trust drove the measure "vaccine for all in the campus" as a social responsibility and thus contributed in the mission of building hard immunity amongst the society. Also it has created social awareness through the faculty of its PG Institute of Medical Sciences amongst the local people and villagers.





# PROJECT WORKS

## Topics of Our Some Alumni's Projects :

### ELECTRICAL MACHINE & DRIVES

- Design and simulation of three phase inverter for grid connected photovoltaic systems.
- Modeling and analysis of three-phase grid-tied photovoltaic systems.
- Modeling and simulation of single phase inverter with pwm using matlab/Simulink.
- Performance of sinusoidal pulse width modulation based three phase inverter. and Many More.

### MECHANICAL ENGINEERING DESIGN

- Structural analysis of a flat bed
- Vibration analysis of a flatbed
- Structural static analysis on crankshaft bearing assembly. and Many More.

### ELECTRONICS & COMMUNICATION ENGG. (MVLSI)

- Solar cell based automatic line follower car
- Development of PID controlled system.
- Design and Implementation of MOS and CMOS and Many More.

### COMPUTER SCIENCE & ENGINEERING

- Image Compression using Image processing.
- Histogram equalization in Image processing domain
- Latch design using quantum mechanics and Many More.

### CIVIL ENGINEERING (STRUCTURAL)

- Structural health Monitoring & rehabilitation
- Seismic design & construction
- Fire resistant Structure and Many More.



## RESEARCH STEERING COMMITTEE :

The Central Research and Development (R&D) Committee that oversees research activities across the Group of Institutions plays a crucial role in fostering a culture of innovation and academic excellence. It is responsible for promoting and supporting research activities across various disciplines, ensuring that faculty, researchers, and students have the resources and guidance necessary to pursue high-quality research projects. The committee often facilitates the identification of funding opportunities, collaborates with external institutions and industries, and establishes guidelines for ethical research practices. Additionally, it encourages interdisciplinary research, organises seminars and conferences, and works to integrate research findings into the academic curriculum. Through its efforts and by nurturing an environment of intellectual curiosity, providing research mentorship, and fostering external partnerships, the R&D Committee not only advances the university's academic standing but also contributes to societal development and technological progress.

Name	Designation	Organisation	Position
Dr. Pravas Ghosh	Secretary	Gopsai Avinandan Sangha	Chairman
Dr. Karunamay Bhattacharya	Principal	Institute of Science & Technology	Member
Dr. Biplab Chakra	Principal	P.G. Institute of Medical Sciences	Member
Dr. Mithun Das	Principal	Institute of Science & Technology Management	Member
HOD of All Departments	HOD	Institute of Science & Technology	Member
HOD of All Departments	HOD	P.G. Institute of Medical Sciences	Member
Mr. Pushpendu Kamilya	TIC	Anindita College for Teacher Education	Member
Mr. Dipankar Malas	TIC	Bengal College of Teacher Education	Member
Mr. Sujit Das	TIC	Excellent Model College for Teacher Education	Member
Mr. Sanju Chanda	TIC	Institute for Teacher Education	Member
Prof Dr. Amit Patra	Director	Director, IIT, KGP	Member
Prof. Dr. Biplab Bhattacharjee	Professor	JU, Dept. of Chemistry	Member
Prof. Dr. Ranajit Chakraborty	Professor	C.U, Management	Member

## Research Partner :





## FUTURE PROJECTS

As we stated in the beginning for **Gopsai Avinandan Sangha** it's a continuous process of venturing into new area of education that along with educating youth, opens up scope of jobs and thus uplifts the socio-economic condition of their families.

So, we at Gopsai Avinandan Sangha dream of opening up a school of Agriculture, A law College, A full-fledged Medical College.



### INSTITUTE OF MEDICAL SCIENCE & HOSPITAL



### GOPSAI AVINANDAN SANGHA LAW COLLEGE



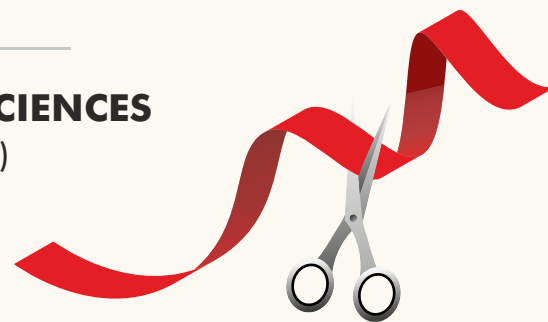
### MEDINIPUR UNIVERSITY

School of Agriculture



### P. G. INSTITUTE OF MEDICAL SCIENCES

Course - PHARM D (Doctor of Pharmacy)



### INSTITUTE OF MEDICAL SCIENCE & HOSPITAL

With the increasing population and shortage of adequate medical services to its citizens due to lack of qualified doctors and infrastructure, private medical colleges came up to make up the gap. There is acute shortage of medical doctors in the country serving in the rural areas. India government has paid less attention towards assuring at least 6% of the GDP to allocate for the health sector. The fund crunch has led to stagnancy in establishing medical colleges under the state governments. Thus, the government has allowed private sector to establish medical colleges. The Medical Council of India (MCI) has been given the authority to regulate quality of medical education and it has been empowered to recognize medical colleges based on certain criteria.

This scarcity of doctors is even more pronounced in rural areas. Hence to address that inadequacy of medical practitioners, Gopsai Avinandan Sangha has been planning for setting up a new Medical College & Hospital in Paschim Medinipur which will be first of its kind in the district. This will surely serve the local people and nurture the local merits first. Hence, this will be helpful for the society in three ways; educating youths, uplifting the health condition of local and neighbouring areas, creating numerous job opportunities for the locality.

With establishment of Institute of Medical Science & Hospital, we will substantially cover almost all the areas of Health Sector.







## GOPSAI AVINANDAN SANGHA LAW COLLEGE

Gopsai Avinandan Sangha is driven by a desire to equip mostly the rural students, particularly in Paschim Medinipur, West Bengal, and neighbouring states, on equal footing with the national law schools.

Gopsai Avinandan Sangha is dedicated to churning out committed lawyers of The highest academic and professional standards and producing top quality legal scholars. It's a dream that The law academy will aim to increase legal awareness in the society and further the cause of social justice by providing legal aid to the downtrodden and the underprivileged sections of the society.

Providing world class infrastructural innovation in its class rooms is what we believe in; so it is obvious that libraries, class rooms, moot courts will be at par with the best law institutions in the country. It will be supported by a team of dedicated faculties who wholeheartedly would endeavour to enlighten the minds of the student fraternity. With its excellent academics, exemplary discipline, highly qualified faculties and fabulous infrastructure Gopsai Avinandan Sangha Law College will be emerging as a top rated law college in the country which would be a symbol of world class legal education at an affordable rate and accessible reach and will open up a new horizon of legal knowledge and impart the same effectively.



## MEDINIPUR UNIVERSITY

The present move of the Government to allow Private Universities in this state is well thought and shall certainly improve the GER. Improving the GER is also a primary motto of Gopsai Avinandan Sangha. Hence merging its aspiration with the Government Policy, Gopsai Avinandan Sangha is planning to launch their first ever University named Medinipur University which will primarily launch with B.Sc in Agricultural Science, B.Sc in Horticulture Science and B.Sc in Fisheries Science. The University will supposedly be recognised by U.G.C, Govt. of India and Govt. of West Bengal and accredited by ICAR.

We all know that Agriculture plays a vital role in India's economy. Study in these fields is the call of today \*\* and hence Gopsai Avinandan Sangha wants to explore the field first. 54.6% of the population is engaged in agriculture and allied fields. India ranks second worldwide in farm output. India is the largest producer of milk, jute and pulses, and has the world's second largest cattle population with 170 million animals in 2011. It is the second-largest producer of rice, wheat, sugarcane, cotton and groundnuts as well as the second-largest fruit and vegetable producer, accounting for 10.9% and 8.6% of the world fruit and vegetable production, respectively according to Annual Report 2016-17, Govt. of India. The proposed course B.Sc. in Agriculture programme would supposedly consist of topics such as agricultural science, use of modern scientific equipment and techniques in agriculture, land surveying, soil science, water resource management, animal and poultry management, basics of biotechnology etc.

"B.Sc. in Horticulture" is an advanced programme in the field of agricultural science that comprises subjects regarding the cultivation of plants and the study of seeds. The programme also covers plant diseases, growth and genetics. The course covers practices that can help in enhancing plant growth and increase the yield without damaging the quality. In order to achieve this goal, the course combines the concepts of Biochemistry, Genetic Engineering, Biology and other related subjects. The programme is in demand as there is a constant demand for quality food at reasonable prices and horticulturalists are required to achieve this goal. There are other scopes of career as well; such as Crop Inspector, Feed Plant Manager, Plant Geneticist, food technologist, plant breeder and many more.

Bachelor of Fisheries Science (B.F.Sc) is a four-year undergraduate program that deals with the conservation and processing of fishes. The course is just not limited to the conservation of fishes but also imparts knowledge about catching, managing, breeding, and marketing of the fishes. It is a multidisciplinary science and involves various disciplines of aquaculture, breeding, genetics, farming, diagnosing various diseases and illness in fish, medical treatment and others. Job scope consists of being Aquaculturist, Marine Scientist, Fish Export Inspector, Marine Biologist and so on.





## WHY TO STUDY PHARM D?

- The growing rate of the Pharmacy Industry is very fast these days. According to a report by IBEF, the Pharmacy Industry in India is expected to grow upto USD 65 Billion by 2024 and would double its size by 2030 to USD 130 Billion which would surely create more employment opportunities. With newer discoveries and infrastructure development being a continuous course of action, courses such as Pharm.D have gained a lot of importance in the last decade. This is the course which enables pharmacy aspirant directly be a part of healthcare and community service.

Further more, job scope of Pharm.D's is wide ranging from various government and private organizations for the graduates. The Pharm.D jobs in India are varied when considering the different career avenues that spring up in many sectors. Some of the jobs available to graduates after Pharm.D are listed below :

### INDIA

- ▶ Regulatory Manager
- ▶ Clinical Pharmacist
- ▶ Community Pharmacist
- ▶ Drug Advisor
- ▶ Drug Interaction Specialist
- ▶ Retail Pharmacist
- ▶ Quality Assurance Manager
- ▶ Pharmaceutical Advisor
- ▶ Clinical Scientist for research
- ▶ Academician
- ▶ Entrepreneur
- ▶ Regulatory authority

### ABROAD

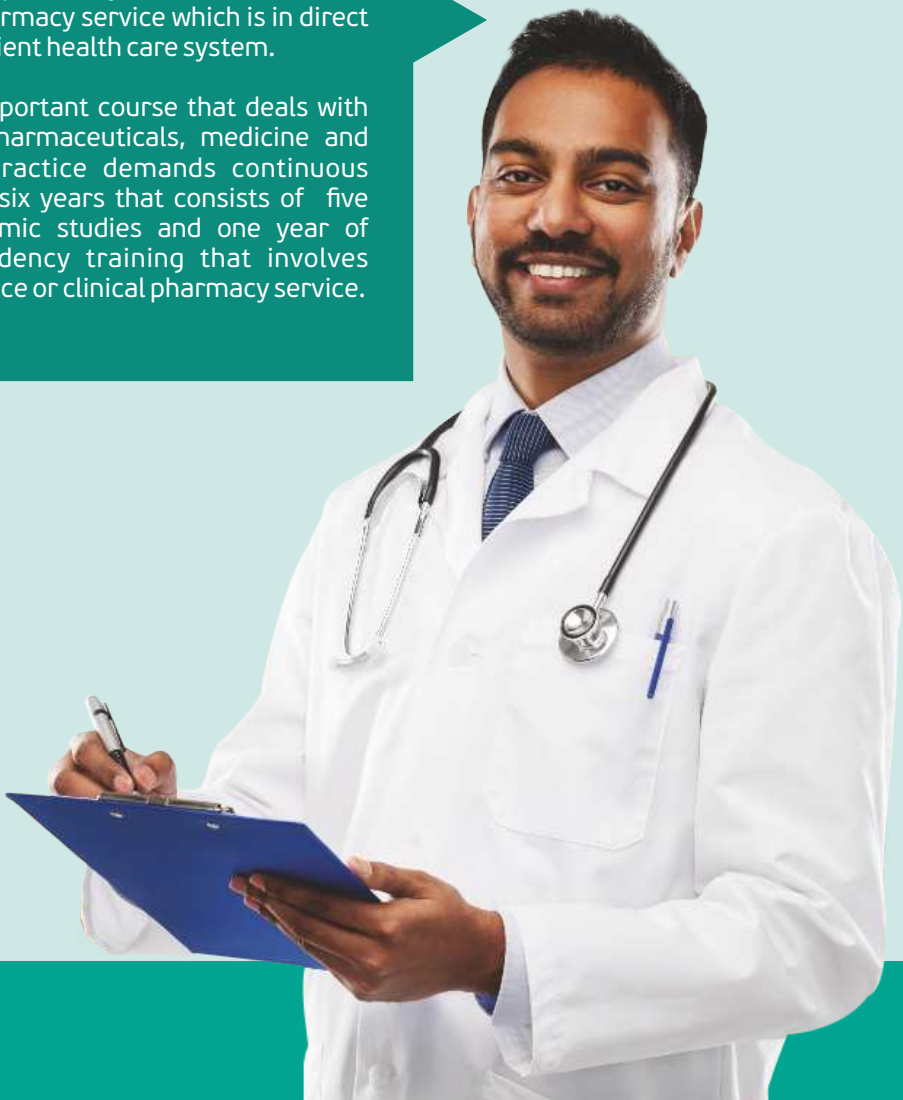
- ▶ Clinical Scientist for Research
- ▶ Patient Safety Physician
- ▶ Medical Science Liaison
- ▶ Scientific Director
- ▶ Medical Writer
- ▶ Clinical and Medical Affairs Director
- ▶ Director of Pharmacy in Hospitals
- ▶ Regulatory Manager
- ▶ Community Pharmacist
- ▶ Quality Assurance Manager
- ▶ Clinical Pharmacist
- ▶ Staff Pharmacist

## PHARM D

With the introduction of M. Pharm this year this becomes mandatory to have the greater scope to study in the field of Pharmacy to have the arena complete. So it is our immediate future plan to start Pharm D in PGIMS.

A **Doctor of Pharmacy** or **Pharm D** (New Latin : Pharmaciae Doctor) is a professional doctorate in pharmacy. In some countries, it is a doctoral degree to practice the profession of pharmacy or to become a clinical pharmacist. In many countries they are allowed to practice independently and can prescribe drugs directly to patients. It was introduced in India in 2008 to improve clinical pharmacy services in India and it is the only pharmacy service which is in direct contact with patient health care system.

Pharm D, an important course that deals with the study of pharmaceuticals, medicine and drug related practice demands continuous involvement of six years that consists of five years of academic studies and one year of internship residency training that involves pharmacy practice or clinical pharmacy service.





Sl. No	PARTICULARS	No. of Copies
1	Photocopies of 10th Admit Card + Mark Sheet + Certificate	1 Each
2	Photocopies of 12th Admit Card+ Mark Sheet + Certificate (If applicable)	1
3	Last School Leaving / Character Certificate Original	1
4	Recent Colour Photo (Passport size)	5
5	Photocopy of Caste Certificate (if applicable)	1
6	JEXPO Admit , Rank Card & Allotment Letter (if applicable)-Original	1 Each
7	Medical Certificate as per form attached with Admission Form	1
8	Photocopy of Aadhaar Card ,	1
9	Photocopy of Voter ID card	1
10	Photocopy of PAN Card	1
11	Anti Ragging Affidavit on Non Judicial Stamp Paper of Rs. 10/- by Student - Original	1
12	Anti Ragging Affidavit on Non Judicial Stamp Paper of Rs. 10/- by Guardian - Original	1

### Note :

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- B. Medical Certificate should be duly signed by the Registered Doctor with his/her Registration No.
- C. Domicile certificate (BDO/SDO)

Sl. No	PARTICULARS	No. of Copies
1	Photocopies of 10th Admit Card + Mark Sheet + Certificate	1 Each
2	Photocopy of H.S Vocational + Admit Card + Mark sheet & Certificate /ITI Mark Sheet + Certificate	1 Each
3	Last School Leaving / Character Certificate Original	1
4	Recent Colour Photo (Passport size)	5
5	Photocopy of Caste Certificate (if applicable)	1
6	VOCLET Admit, Rank Card & Allotment Letter (if applicable)-Original	1 Each
7	Medical Certificate as per form attached with Admission Form	1
8	Photocopy of Aadhaar Card ,	1
9	Photocopy of Voter ID card	1
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1	Photocopies of 10th Admit Card + Mark Sheet + Certificate	1 Each
2	Photocopy of 12th Admit Card+ Mark Sheet + Certificate	1 Each
3	Last School Leaving / Character Certificate Original	1
4	Migration Certificate (If Applicable) for Other's Board	
5	Recent Colour Photo (Passport size)	5
6	Photocopy of Caste Certificate (if applicable)	1
7	WBJEE/AIEEE/JEE Main Admit ,Rank Card & Allotment Letter (if applicable)-original	1 Each
8	Medical Certificate as per form attached with Admission Form	1
9	Domicile Certificate (Obtained from SDO/BDO)	1
10	Photocopy of Aadhaar Card ,	1
11	Photocopy of Voter ID card	1
12	Photocopy of PAN Card	1
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1	Photocopies of 10th Admit Card + Mark Sheet + Certificate	1 Each
2	Photocopy of 12th Admit Card+ Mark Sheet + Certificate	1 Each
3	Photocopies of Diploma / B.Sc. all Semester Mark Sheet & Certificate (As per Norms)	1 Each
4	Last College Leaving / Character Certificate Original	1
5	Migration Certificate (if applicable)- Original	1
6	Recent Colour Photo (Passport size)	5
7	Photocopy of Caste Certificate (if applicable)	1
8	JELET Admit , Rank Card & Allotment Letter (if applicable)-Original	1 Each
9	Medical Certificate as per form attached with Admission Form	1
10	Domicile Certificate (Obtained from SDO/BDO)	1
11	Photocopy of Aadhaar Card ,	1
12	Photocopy of Voter ID card	1
13	Photocopy of PAN Card	1
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3	Photocopies of Diploma / B.Sc. all Semester Mark Sheet & Certificate	1 Each
4	Photocopies of B.Tech all Semester Mark Sheet & Certificate	1 Each
5	Last College Leaving / Character Certificate Original	1
6	Registration Certificate / Migration Certificate (Whichever is applicable) - Original	1
7	Recent Colour Photo (Passport size)	5
8	Photocopy of Caste Certificate (if applicable)	1
9	PGET/GATE Admit , Rank Card & Allotment Letter (if applicable)-Original	1 Each
10	Medical Certificate as per form attached with Admission Form	1
11	Domicile Certificate (Obtained from SDO/BDO)	1
12	Photocopy of Aadhaar Card ,	1
13	Photocopy of Voter ID card	1
14	Photocopy of PAN Card	1
15	Anti Ragging Affidavit on Non Judicial Stamp Paper of Rs. 10/- by Student - Original	1
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2	Photocopy of 12th Admit Card+ Mark Sheet + Certificate	1
3	Photocopies of BCA / B.Sc. all Semester Mark Sheet & Certificate	1 Each
4	Last Institute / College Leaving / Character Certificate Original	1
5	Recent Colour Photo (Passport size)	5
6	Photocopy of Caste Certificate (if applicable)	1
7	JECA Admit Card, Rank Card & Allotment Letter - Original	1 Each
8	Registration Certificate / Migration Certificate (Whichever is applicable) - Original	1
9	Medical Certificate as per form attached with Admission Form	1
10	Domicile Certificate (Obtained from SDO/BDO)	1
11	Photocopy of Aadhaar Card ,	1
12	Photocopy of Voter ID card	1
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2	Photocopy of 12th Admit Card+ Mark Sheet + Certificate (As per Norms)	1
3	Last Institute / College Leaving / Character Certificate Original	1 Each
4	Migration Certificate (If Applicable) for Other's Board -Original	1
5	Recent Colour Photo (Passport size)	5
6	Photocopy of Caste Certificate (if applicable)	1
7	CET Admit Card, Rank Card & Allotment Letter (if applicable)-Original	1 Each
8	Medical Certificate as per form attached with Admission Form	1
9	Domicile Certificate (Obtained from SDO/BDO)	1
10	Photocopy of Aadhaar Card ,	1
11	Photocopy of Voter ID card	1
12	Photocopy of PAN Card	1
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1	Photocopies of 10th Admit Card + Mark Sheet + Certificate	1 Each
2	Photocopy of 12th Admit Card + Mark Sheet + Certificate	1
3	Photocopies of Graduation (all Semester) Mark Sheet	1 Each
4	Last Institute / College Leaving / Character Certificate Original	1
5	Recent Colour Photo (Passport size)	5
6	Photocopy of Caste Certificate (if applicable)	1
7	JEMAT(MAKAUT) Admit Card, Rank Card & Allotment Letter (if applicable)-Original	1 Each
8	Registration Certificate / Migration Certificate (Whichever is applicable)-Original	1
9	Medical Certificate as per form attached with Admission Form	1
10	Domicile Certificate (Obtained from SDO/BDO)	1
11	Photocopy of Aadhaar Card ,	1
12	Photocopy of Voter ID card	1
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2	Photocopies of 12th Admit Card + Mark Sheet + Certificate (As Per Norms)	1 Each
3	Last School Leaving / Character Certificate Original	1
4	Migration Certificate – Original if applicable	1
5	Recent Colour Photo (Passport size)	5
6	Photocopy of Caste Certificate (if applicable)	1
7	Admit , Rank Card & Allotment Letter of D.Pharm Entrance Exam (if applicable)	1 Each
8	Medical Certificate as per form attached with Admission Form	1
9	Domicile Certificate (Obtained from SDO/BDO)	1
10	Photocopy of Aadhaar Card ,	1
11	Photocopy of Voter ID card	1
12	Photocopy of PAN Card	1
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4	Migration Certificate (If Applicable) for Other's Board	
5	Recent Colour Photo (Passport size)	5
6	Photocopy of Caste Certificate (if applicable)	1
7	WBJEE Admit, Rank Card & Allotment Letter (if applicable)-original	1 Each
8	Medical Certificate as per form attached with Admission Form	1
9	Domicile Certificate (Obtained from SDO/BDO)	1
10	Photocopy of Aadhaar Card ,	1
11	Photocopy of Voter ID card	1
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2	Photocopy of 12th Admit Card + Mark Sheet + Certificate	1 Each
3	Photocopies of D.Pharm all Mark Sheet & Certificate	1 Each
4	Last College Leaving / Character Certificate Original	1
5	Migration Certificate (if applicable)- Original	1
6	Recent Colour Photo (Passport size)	5
7	Photocopy of Caste Certificate (if applicable)	1
8	JELET Admit , Rank Card & Allotment Letter (if applicable)-Original	1 Each
9	Medical Certificate as per form attached with Admission Form	1
10	Domicile Certificate (Obtained from SDO/BDO)	1
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1	Photocopies of 10th Admit Card + Mark Sheet + Certificate	1 Copy Each
2	Photocopy of 12th Admit Card + Mark Sheet + Certificate (As per Norms)	1 Copy
3	Photocopy of Admit Card of JENPAS-UG Exam	1 Copy
4	Photocopy of Rank Card of JENPAS-UG Exam	1 Copy
5	Photocopy of Allotment Card of JENPAS-UG Exam (If Available)	1 Copy
6	Last School Leaving / Character Certificate Original	1 Copy
7	Recent Colour Photo (Passport size)	5 Copies
8	Photocopy of Caste Certificate (if applicable)	1 Copy
9	Original Domicile Certificate as per proforma A1 or A2 of WBJEE	1 Copy
10	Migration Certificate (if applicable)	1 Copy
11	Medical Certificate as per form attached with Admission Form	1 Copy
12	Photocopy of Aadhaar Card	1 Copy
13	Photocopy of Voter ID card	1 Copy
14	Photocopy of PAN Card	1 Copy
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1	Photocopies of 10th Admit Card + Mark Sheet + Certificate	1 Copy Each
2	Photocopy of 12th Admit Card + Mark Sheet + Certificate	1 Copy
3	Photocopies of UG /Degree Mark Sheets/Grade Cards & Certificate	1 Copy Each
4	Photocopy of Admit Card of JEPAS-PG Exam	1 Copy
5	Photocopy of Rank Card of JEPAS-PG Exam	1 Copy
6	Photocopy of Allotment Card of JEPAS-PG Exam (If Available)	1 Copy
7	Last College/Institute Leaving / Character Certificate Original	1 Copy
8	Recent Colour Photo (Passport size)	5 Copies
9	Photocopy of Caste Certificate (if applicable)	1 Copy
10	Migration Certificate (if applicable)	1 Copy
11	Medical Certificate as per form attached with Admission Form	1 Copy
12	Photocopy of Aadhaar Card ,	1 Copy
13	Photocopy of Voter ID card	1 Copy
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1	Photocopies of 10th Admit Card + Mark Sheet + Certificate	1 Copy Each
2	Photocopy of 12th Admit Card + Mark Sheet + Certificate	1 Copy
3	Photocopy of Admit Card of GNM Exam	1 Copy
4	Photocopy of Rank Card of GNM Exam	1 Copy
5	Photocopy of Allotment Card of GNM Exam (If Available)	1 Copy
6	Last School Leaving / Character Certificate Original	1 Copy
7	Recent Colour Photo (Passport size)	5 Copies
8	Photocopy of Caste Certificate (if applicable)	1 Copy
9	Original Domicile Certificate as per Proforma A1 or A2 of WBJEE	1 Copy
10	Migration Certificate (if applicable)	1 Copy
11	Medical Certificate as per form attached with Admission Form	1 Copy
12	Photocopy of Aadhaar Card	1 Copy
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# ADMISSION PROCEDURE

## NURSING ➤ B.SC

Sl. No	PARTICULARS	No. of Copies
1	Photocopies of 10th Admit Card + Mark Sheet + Certificate	1 Copy Each
2	Photocopy of 12th Admit Card + Mark Sheet + Certificate	1 Copy
3	Photocopy of Admit Card of JENPAS Exam	1 Copy
4	Photocopy of Rank Card of JENPAS Exam	1 Copy
5	Photocopy of Allotment Card of JENPAS Exam (If Available)	1 Copy
6	Last School Leaving / Character Certificate Original	1 Copy
7	Recent Colour Photo (Passport size)	5 Copies
8	Photocopy of Caste Certificate (if applicable)	1 Copy
9	Original Domicile Certificate as per Proforma A1 or A2 of WBJEE	1 Copy
10	Migration Certificate (if applicable)	1 Copy
11	Medical Certificate as per form attached with Admission Form	1 Copy
12	Photocopy of Aadhaar Card	1 Copy
13	Photocopy of Voter ID card	1 Copy
14	Photocopy of PAN Card	1 Copy
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- Domicile certificate (BDO/SDO)

# ADMISSION PROCEDURE

## TEACHERS' TRAINING ➤ B.ED

Sl. No	PARTICULARS	No. of Copies
1	Photocopies of 10th Admit Card + Mark Sheet + Certificate *	3 Copy Each
2	Photocopies 12th Admit + Mark Sheet + Certificate*	3 Copy Each
3	Photocopies of Graduation Registration Certificate+ All Semester Mark Sheet & Pass Certificate.* (As per Norms)	3 Copy Each
4	Photocopies of Post Graduation Registration Certificate+ All Semester Mark Sheet & Pass Certificate.*	3 Copy Each
5	Last College- Leaving/Character Certificate (Original + Photocopy)*	1 Original+ 3 photocopies
6	Migration Original (If applicable).**-( If Other University )	1 Original+ 3 photocopies
7	Recent Colour Photo (Passport size)*	7 Copies
8	Photocopy of Aadhaar Card**	3 Copy Each
9	Photocopy of Voter ID card	3 Copy Each
10	Photocopy of PAN Card	3 Copy Each
11	Photocopy of Caste Certificate (if applicable)	3 Copy Each
12	Income Certificate (BDO/ SDO).**- AT THE TIME OF ADMISSION	3 Copy Each
13	Blood Group.**- AT THE TIME OF ADMISSION	3 Copy Each
14	ABC ID Proof	3 Copy Each
15	Anti Ragging Certificate student(online)	1 Original+ 3 photocopies
16	Anti Ragging Certificate Guardian (online)	1 Original+ 3 photocopies

### Note :

- All Photocopies should be self attested.
- Submit Income Certificate (BDO/SDO)
- Submit blood group report
- Domicile certificate (BDO/SDO)



# ADMISSION PROCEDURE

## TEACHERS' TRAINING ► M.ED

Sl. No	PARTICULARS	No. of Copies
1	Photocopies of 10th Admit Card + Mark Sheet + Certificate *	3 Copy Each
2	Photocopies 12th Admit + Mark Sheet + Pass Certificate*	3 Copy Each
3	Photocopies of Graduation Registration Certificate+ All Semester Mark Sheet & Pass Certificate.*	3 Copy Each
4	Photocopies of Post Graduation Registration Certificate+ All Semester Mark Sheet & Pass Certificate.*	3 Copy Each
5	Photocopies of B.Ed. Registration Certificate+ All Semester Mark Sheet & Pass Certificate.*	
6	Last College- Leaving/Character Certificate (Original + Photocopy)*	1 Original+ 3 photocopies
7	Migration Original (If applicable).**-( If Other University )	1 Original+ 3 photocopies
8	Recent Colour Photo (Passport size)*	7 Copies
9	Photocopy of Aadhaar Card**	3 Copy Each
10	Photocopy of Voter ID card	3 Copy Each
11	Photocopy of PAN Card	3 Copy Each
12	Photocopy of Caste Certificate (if applicable)	3 Copy Each
13	Income Certificate (BDO/ SDO).**- AT THE TIME OF ADMISSION	3 Copy Each
14	Blood Group.**- AT THE TIME OF ADMISSION	3 Copy Each
15	ABC ID Proof	3 Copy Each
16	Anti Ragging Certificate student(online)	1 Original+ 3 photocopies
17	Anti Ragging Certificate Guardian (online)	1 Original+ 3 photocopies

### Note :

- A. All Photocopies should be self attested.
- B. Submit Income Certificate (BDO/SDO)
- C. Submit blood group report

# ADMISSION PROCEDURE

## TEACHERS' TRAINING ► D.El.Ed.

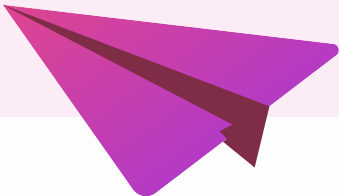
Sl. No	PARTICULARS	No. of Copies
1	Photocopies of 10th Admit Card + Mark Sheet + Pass Certificate **	3 Copies Each
2	Photocopies 12th Admit + Mark Sheet + Pass Certificate (As per Norms)	3 Copies Each
3	Last School- Leaving/Character Certificate (Original + Photocopy)**	1 Original+ 3 photocopies
4	Recent Colour Photo (Passport size)**	7 Copies
5	Photocopy of Aadhaar Card**	3 Copies
6	Photocopy of Voter ID card**	3 Copies
7	Photocopy of PAN Card**	3 Copies
8	Migration Original (If applicable)	1 Original+ 3 photocopies
9	Photocopy of Caste Certificate (if applicable)	3 Copies
10	Anti Ragging Certificate student(online)	1 Original+ 3 photocopies
11	Anti Ragging Certificate Guardian (online)	1 Original+ 3 photocopies
12	Income Certificate (BDO/ SDO).**- AT THE TIME OF ADMISSION	3 Copies
13	Blood Group.**- AT THE TIME OF ADMISSION	3 Copies





















### Note :

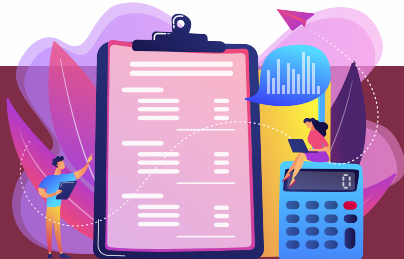
- A. All Photocopies should be self attested.
- B. Submit Income Certificate (BDO/SDO)
- C. Submit blood group report



# FEES STRUCTURE



	<b>INSTITUTE OF SCIENCE AND TECHNOLOGY</b> Course Offering : UG : <b>B.Tech</b> (CE, ME, EE, EEE, AEIE, ECE, IT, CSE ) PG : <b>M.Tech</b> (CE, ME, EE, ECE, CSE), <b>MCA</b>			<b>INSTITUTE FOR TEACHER EDUCATION</b> Course Offering : <b>B.Ed</b>	
	<b>INSTITUTE OF SCIENCE &amp; TECHNOLOGY MANAGEMENT</b> Course Offering : <b>BBA, BBA-HM, BCA, MHA</b>			<b>GOPSAI AVINANDAN SANGHA PRIMARY TEACHER'S TRAINING INSTITUTE</b> Course Offering : <b>D.El.Ed, Prak Shastri</b>	
	<b>ANINDITA COLLEGE FOR TEACHER EDUCATION</b> Course Offering : <b>B.Ed, Prak Shastri</b>			<b>COLLEGE FOR TEACHER EDUCATION</b> Course Offering : <b>D.El.Ed</b>	
	<b>BENGAL COLLEGE OF TEACHER EDUCATION</b> Course Offering : <b>B.Ed &amp; M.Ed, Prak Shastri</b>			<b>ANINDITA INSTITUTE OF NURSING</b> Course Offering : <b>GNM &amp; B.SC NURSING</b>	
	<b>EXCELLENT MODEL COLLEGE FOR TEACHER EDUCATION</b> Course Offering : <b>B.Ed</b>			<b>P.G. INSTITUTE OF MEDICAL SCIENCES</b> Course Offering : <b>D.Pharm, B.Pharm, BMLT</b>	



Please Scan The **QR Code** to  
Check the details of The Courses mentioned.

\*The Fees are subject to change anytime. Please contact admission cell @  
**+91-9083265521 / +91-9083265522**