

Handbook of Information (2020-2021)

1. PUNJABI UNIVERSITY GURU KASHI CAMPUS, TALWANDI SABO

Guru Kashi campus of Punjabi University is located at Talwandi Sabo, a very sacred place for Sikhs in particular and mankind in general. The 4th Takhat of Sikhs is located at Talwandi Sabo and known as Damdama Sahib. The Tenth Guru of Sikhs Shri Guru Gobind Singh Jee after sacrificing his entire family in the battles against oppression by tyrants, stayed at Damdama Sahib and got compiled the sacred book of Shri Guru Granth Sahib through Bhai Mani Singh Jee. This land was blessed by Shri Guru Gobind Singh Jee as "Hamari Kanshi" a centre of higher learning. Punjabi University for this noble cause setup its campus in 1988 and named it as Punjabi University Guru Kashi Campus for transforming the professional education scene in the heart of Malwa region. The campus is situated on the Rama road in Talwandi Sabo. It sprawls across 85 acres, and is away from the din and noise of the markets and roads. It has unique distinction of professional education in the management and engineering areas in an otherwise backward rural region. The University School of Business Studies was created in 1988 to fill a vital gap in management education. The establishment of Yadavindra College of Engineering in the year of 2004 at this Campus is providing a catalyst for the overall development of this region. The Yadavindra College of Engineering institute is totally based on the new and unique idea where the students from rural areas are being provided free education through the scholarships. It is being developed as a centre of excellence in high technology and engineering education.

I. YADAVINDRA COLLEGE OF ENGINEERING (YCOE)

ABOUT YADAVINDRA COLLEGE

Yadavindra College of Engineering is an outcome of a bold and a noble step taken by the Punjabi University, Patiala for providing quality education in the field of engineering & technology to the needy and deserving people living in the rural areas. The University took a serious view about the facilities, services and opportunities available to the people of the rural areas compared to those of the urban areas. People living in cities have better schools & colleges, better teachers, better hospitals, better doctors, better transportation and communication systems etc., while on the other hand the villagers are deprived of such facilities. On account of character, the villagers in general, are more humble, honest and sympathetic and have patience and a capacity to sacrifice. However, for want of opportunities and services available to them; they have been left far behind compared to their counter parts living in cities and thus are unable to complete with the urban area people on the basis of academic merit.

The University has taken a bold and a noble decision to embrace such children of villagers and uplift them by providing them with better technical education. With this in mind, the University decided to setup the Yadavindra College of Engineering in 2004 for the people from the rural area. This college is housed in building having a covered area of more than 75,000 sq. ft., situated in Guru Kashi Campus of Punjabi University at Talwandi Sabo. This college is equipped with the latest and modern equipment in the various labs, workshops, library, computer centre etc. and has a highly qualified faculty. Guru Kashi Campus is spread over 85 acres of land and includes an arts college, management school and College of engineering, guest house, residential houses, health centre and hostels for boys and girls.

Electronics and Communication Engineering

SR. NO	NAME OF FACULTY MEMBER	DESIGNATION	
1	DR. JAGTAR SINGH	PROFESSOR	(HEAD)
2	DR. ASHWANI KUMAR	ASSOCIATE PROFESSOR	ECE
3	DR. NAVDEEP GOEL	ASSOCIATE PROFESSOR	ECE
4	DR. YADWINDER KUMAR	ASSISTANT PROFESSOR	ECE
5	DR. JASBIR SINGH	ASSISTANT PROFESSOR	ECE
6	MS. GURWINDER KAUR	ASSISTANT PROFESSOR	ECE
7	MS. GAGANDEEP KAUR	ASSISTANT PROFESSOR	ECE

8	DR. CANDY GOYAL	ASSISTANT PROFESSOR	ECE
9	SH. PARMINDER SINGH JASSAL	ASSISTANT PROFESSOR	ECE
10	MS. GURPREET BHARTI	ASSISTANT PROFESSOR	ECE
11	MS. MANPREET KAUR	ASSISTANT PROFESSOR	ECE
12	SH. ASHWANI KUMAR	ASSISTANT PROFESSOR	ECE
13	MS. SUNITA RANI	ASSISTANT PROFESSOR	ECE
14	SH. LALIT GARG (Contract)	ASSISTANT PROFESSOR	ECE
15	SH. JASWANT SINGH (Contract)	ASSISTANT PROFESSOR	ECE
16	SH. KULWANT SINGH (Contract)	ASSISTANT PROFESSOR	ECE
17	SH. GURSEWAK SINGH (Contract)	ASSISTANT PROFESSOR	ECE
18	SH. HEMANT SINGH (Contract)	ASSISTANT PROFESSOR	ECE

Computer Engineering

SR. NO	NAME OF FACULTY MEMBER	DESIGNATION	
1	DR. SIMPLE RANI	PROFESSOR	CE
2	MS. SUMEET KAUR	ASSOCIATE PROFESSOR	CE
3	SH. GIANETAN SINGH SEKHON	ASSISTANT PROFESSOR	CE
4	SH. BALWINDER SINGH	ASSISTANT PROFESSOR	CE
5	DR. SUKHWINDER SINGH	ASSISTANT PROFESSOR	CE
6	MS. SEEMA	ASSISTANT PROFESSOR	CE
7	DR. MEENAKSHI BANSAL	ASSISTANT PROFESSOR	CE
8	DR. BAL KRISHAN	ASSISTANT PROFESSOR	CE
9	SH. MANOJ KUMAR	ASSISTANT PROFESSOR	CE
10	MS. RAJBHUPINDER KAUR	ASSISTANT PROFESSOR	CE
11	SH. ASHOK KUMAR BATHLA	ASSISTANT PROFESSOR	CE
12	SH. RAJAN GOYAL (Contract)	ASSISTANT PROFESSOR	CE
13	MS. NAVROOP KAUR (Contract)	ASSISTANT PROFESSOR	CE
14	DR. AMANDEEP KAUR (Contract)	ASSISTANT PROFESSOR	CE
15	MS RUPINDER KAUR (Contract)	ASSISTANT PROFESSOR	CE
16	SH. TEJINDERPAL SINGH (Contract)	ASSISTANT PROFESSOR	CE
17	SH. RAMANDEEP (Contract)	ASSISTANT PROFESSOR	CE
18	SH. RAMANPREET SINGH (Contract)	ASSISTANT PROFESSOR	CE

Mechanical Engineering

SR. NO	NAME OF FACULTY MEMBER	DESIGNATION	
1	DR. HAZOOR SINGH	PROFESSOR	ME
2	DR. BALRAJ SINGH BRAR	ASSOCIATE PROFESSOR	ME
3	SH. SUNIL KUMAR	ASSISTANT PROFESSOR	ME
4	DR. SUKHPAL SINGH	ASSISTANT PROFESSOR	ME
5	SH. RAJINDER KUMAR	ASSISTANT PROFESSOR	ME
6	DR. DEEPAK BHANDARI	ASSISTANT PROFESSOR	ME
7	DR. RAKESH BHATIA	ASSISTANT PROFESSOR	ME
8	DR. PARDEEP JINDAL	ASSISTANT PROFESSOR	ME
9	DR. AVTAR SINGH	ASSISTANT PROFESSOR	ME
10	DR. GAGANDEEP KAUSHAL	ASSISTANT PROFESSOR	ME
11	SH. RAM SINGH (Contract)	ASSISTANT PROFESSOR	ME
12	SH. GAGANPREET SINGH (Contract)	ASSISTANT PROFESSOR	ME
13	SH. NAVDEEP SINGH (Contract)	ASSISTANT PROFESSOR	ME
14	SH. HARPREET SHARMA (Contract)	ASSISTANT PROFESSOR	ME
15	SH. LAKHVIR SINGH (Contract)	ASSISTANT PROFESSOR	ME

Applied Sciences & Humanities

SR. NO	NAME OF FACULTY MEMBER	DESIGNATION	
1	DR. PRITI BANSAL	ASSISTANT PROFESSOR	Chemistry
2	DR. DIVYA TANEJA	ASSISTANT PROFESSOR	Mathematics
3	DR. LAKHVIR SINGH	ASSISTANT PROFESSOR	Physics
4	DR. ANJU SAINI	ASSISTANT PROFESSOR	Chemistry
5	DR. BALJINDER KAUR	ASSISTANT PROFESSOR	Physics
6	DR. BAL KISHAN	ASSISTANT PROFESSOR	Physics
7	DR. SUSHIL KUMAR	ASSISTANT PROFESSOR	English
8	MS. SHARUTI	ASSISTANT PROFESSOR	Mathematics
9	DR. MANJIT SINGH	ASSISTANT PROFESSOR	Mathematics
10	Dr. RAKESH KUMAR	ASSISTANT PROFESSOR	Chemistry
11	MS. SAVITA RANI	ASSISTANT PROFESSOR	Chemistry
12	SH. GURVINDER SINGH	ASSISTANT PROFESSOR	Management
13	MS. DEEPAK RANI GIRDHAR	ASSISTANT PROFESSOR	English
14	DR. SANJEEV KUMAR MEHTA	ASSISTANT PROFESSOR	Chemistry
15	MS. ANU BALA	ASSISTANT PROFESSOR	Mathematics
16	SH. JAGSIR SINGH (Adhoc)	ASSISTANT PROFESSOR	Physics
17	SH. KULDEEP SINGH MANN (Contract)	ASSISTANT PROFESSOR	Punjabi
18	MS. SARIKA MITTAL (Contract)	ASSISTANT PROFESSOR	Physics
19	MS. MEENAKSHI SINGLA (Contract)	ASSISTANT PROFESSOR	Mathematics
20	MS. SANTOSH SHARMA (Contract)	ASSISTANT PROFESSOR	Management
21	MS. RAMANPREET KAUR (Contract)	ASSISTANT PROFESSOR	Computer Science

COURSES

B.Tech. Courses:

1. B.Tech. 6 Year Integrated Course:

Students Intake: 180 (60 each in Mechanical Engineering, Electronics and Communication Engineering, and Computer Science & Engineering).

Admission to First Year of Module-I (10+1 Non-Medical Level).

Module-I (10+1 & 10+2) (2 years)

Module-II (B. Tech 4 years)

Separate admission forms available at Yadavindra College of Engineering, Talwandi Sabo/Information Centre, Punjabi University, Patiala.

ELIGIBILITY CRITERION: for B. Tech. Courses (6 Years Integrated Courses) Admission to 1st Year of Module I: (10+1 Non-Medical Level)

1. The student should have passed his/her matriculation examination with minimum 55% marks (50% marks for SC/ST category).
2. The students who fail in any one of the subjects English, Science and Mathematics shall not be eligible for admission.
3. Admission under this scheme will be on merit basis by taking average marks obtained in the subjects of English, Science and Mathematics in matriculation examination.
4. The student should have passed his 5th class from a school situated in a village which does not fall within the limits of a municipal committee or corporation or under a small town/notified area.
5. The student should have passed his study from 6th to 10th class from a recognized/affiliated school in a village which does not fall within the limits of a municipal committee or corporation or under a small town/notified area.

6. The annual fee and other charges of the school(s) from where the student passed his 6th to 10th classes should not exceed Rs. 1200/- per annum.
7. The annual family income (parents & Grandparents if living together) should not exceed Rs. 3,00,000/- (Three Lacs).
8. The student and his/her parents must be permanent residents of a village which does not fall within the limits of municipal committee or corporation or under a small town/notified area.
9. The students who have passed their matriculation examination from Adarsh School, Model School or Jawahar Navodaya schools are also eligible if they fulfill the eligibility criteria as above.
10. If any rural area is now notified as Nagar Panchayat, relaxation of notified area will be given to those students who were in class 6th or upper 6th class at the time of notification.

Note: If any seat remains unfilled under Golden Heart Scholarship scheme for rural students, the same will be filled from the rural/urban candidates who do not fulfilled the above said conditions of Golden Heart Scholarship scheme, by taking the annual fee of Rs. 12600/- for 10+1 and 10+2.

The candidate must deposit a certificate from the concerned Tehsildar/Panchayat regarding above facts. Full verification will be made by the University. In case the certificate submitted by the candidate is found wrong, all fee/charges deposited by the candidate will be forfeited and the admission will be cancelled. Such candidates will not be admitted in the University or any of the colleges affiliated with the University.

Besides this, the name of the student will be conveyed to UGC/AIU so that such a student be declared ineligible for any other course.

Loan for Students (Golden Hearts Scholarship Scheme)

Deserving students will be given an interest free loan to cover their tuition fee and other charges (excluding mess and hostel charges) at Yadavindra College of Engineering. This loan will be repayable after the student passes out and is engaged in employment. The students who drop out or do not pass the course will have to repay the loan immediately. The student/parents will have to file an affidavit in this regard.

Note: The right to grant above loan is reserved with the University. Rules for the grant of the loan will be as formulated by the Punjabi University, Patiala from time to time.

2. B.Tech. Courses (4 Year)

Students Intake:

Mechanical Engineering:	60*+60=120
Electronics & Communication Engineering:	60*+80=140
Computer Science & Engineering:	60*+80=140

NB: Seats marked with * will be first filled from 10+2 students of Yadavindra College of Engineering, Talwandi Sabo who are eligible for promotion as per university policy. The remaining seats shall be filled through direct counselling at Yadavindra College of Engineering, Talwandi Sabo.

ELIGIBILITY CRITERION: Admission shall be made on the basis of inter-se merit of aggregate marks scored in Physics, Chemistry, Mathematics and English of Senior Secondary Examination (12th Non-Medical) with at least 50% marks (45% marks for SC/ST).

3. B. Tech. Courses (Lateral entry) for diploma holders/B.Sc. Degree Holders into 2nd year of 4-year B.Tech.

Course against vacant seats and additional 10% seats of the sanctioned intake in each branch of engineering.

ELIGIBILITY CRITERION: All those candidates who have passed the diploma in any branch of Engineering and Technology from recognized institution of Punjab or from other state of India with minimum 55% marks in aggregate (for SC/ST 50%) or equivalent grade point, or Degree in science (B.Sc. with mathematics as one of the subjects) from recognized institution with 60% marks in aggregate or equivalent grade point are eligible for admission for above mentioned B.Tech. courses. Admission will be made on the basis of merit in the qualifying

examination and candidate's preference to different branches of engineering. Preference will first be given to diploma holders and the seats remaining vacant will be offered to the B. Sc. Degree holders. A candidate with diploma in any branch of engineering & technology can opt for any of the available branches of B. Tech. course

4. B. Tech. (4 Year) NRI Seats

ELIGIBILITY CRITERION: Admission of NRI candidates will be based on the merit in 10+2 (Non-Medical) or equivalent examination. Candidates seeking admission under this category must have minimum 60% marks or equivalent grade point in 10+2 (Non-Medical) examination or equivalent. Candidates should submit the admission form (along with Form A) available in this handbook of Information by the stipulated date.

5. MCA (3 Year)

Student Intake: 60

ELIGIBILITY: Candidates who have passed the Bachelor's Degree (10+2+3) in any discipline of the statutory University with 50% marks in aggregate 45% for SC/ST and physically handicapped with at least 40% disability. The candidates must have passed the senior secondary (10+2) or equivalent examination or higher degree examination with Mathematics/Statistics/Business Mathematics/Business Statistics/Quantitative Techniques/or equivalent as compulsory/optional/ additional subject or paper.

6. MCA (2 Year) Lateral Entry

Student Intake: 60

ELIGIBILITY: Candidate who have completed Bachelor's Degree of Minimum 3 years duration in BCA, B.Sc. (Computer Science/Information Technology), B.Sc. (Mathematics and Computing), B.Sc. (Computer Science, Statistics and Mathematics) or B.Voc.(Software Development) with 50% marks in aggregate (45% Marks for SC/ST and differently abled persons with at least 40% disability) with Mathematics as a course at 10+2 level or at Graduate level shall be eligible for admission to second year of MCA course.

7. M. Tech. (2 Year Regular)

Mechanical Engineering	(20 Seats)
Electronics and Communication Engineering.	(20 Seats)
Computer Engineering	(20 Seats)

8. M. Tech. (3 Year Part-Time)**

Mechanical Engineering	(20 Seats)
Electronics and Communication Engineering	(20 Seats)
Computer Engineering	(20 Seats)

**** All M.Tech. Part-Time courses are run by the university at its Regional Campus Bathinda.**

ELIGIBILITY for M. TECH. COURSES

(A) The eligibility criteria for M. Tech Courses is minimum 55% marks (50% marks for SC/ST category) in B.E./B.Tech courses. In addition to this, candidate must fulfill the following criteria:

For M.Tech. in Computer Engineering, one must have B.E./B.Tech in Computer Science & Engineering/ Computer Engineering/ Information Technology/ Information Communication Technology/ Software Engineering/ Electronics and Communication Engineering/ Electronics and Instrumentation Engineering/ Electronics and Computer Engineering/ Electrical and Electronics Engineering/ Electrical Engineering/ Automation and Robotics/ 3D and Automation or equivalent degree in Engineering with minimum 50% marks (45% for SC/ST & Disabled Persons Categories).

Or

MCA or M.Sc. in Computer Science/ Information Technology/ Information Science/ Electronics/ Physics/ Statistics/ Mathematics/ Operation Research or any other equivalent degree with specialization in Computer Science with minimum 50% marks (45% for SC/ST & Disabled Persons Categories).

For M.Tech. in Electronics and Communication Engineering, one must be B.E./B.Tech. in ECE /Electrical/ Electronics/Instrumentation/Applied Electronics/Instrumentation & Control Engineering/ Electrical & Electronics

For M.Tech. Mechanical Engineering course, one must be B.E./B.Tech. in Mechanical/ Industrial/ Production/ Manufacturing/Material Science/Aeronautical or automobile Engineering.

(B) Preference will be given to the candidates who have qualified GATE examination and the candidates will be admitted according to the merit of GATE examination.

(C) The Seats remaining vacant after adjusting the GATE candidates will be open to all other candidates and admission will be made on the basis of merit of the qualifying examination.

9. Certificate Courses (Six Months)

a) Welder	(40 Seats)
b) Turner	(40 Seats)
c) Computer Basics and Office Automation	(40 Seats)
d) Web Designing	(40 Seats)
e) Computer Hardware Fundamentals	(40 Seats)
f) Electronic Circuits fabrication and Testing	(40 Seats)
g) Plumber	(40 Seats)
h) Fire and Industrial Safety Management	(40 Seats)

ELIGIBILITY

The students must have passed matriculation from a recognized board or equivalent.

DURATION

Six months (Admission shall be made twice in an academic calendar year preferably in the month of August and February).

10. Certificate Courses (Three Months)

a) Programming with Python (PPY)	(30 Seats)
b) Data Analysis using Python (DAPy)	(30 Seats)
c) Data Science with R (DSR)	(30 Seats)

ELIGIBILITY

The students must have passed bachelor degree in Computer Science/Applications/Computer Engg./Information Technology from a recognized university or equivalent.

DURATION

Three months (Admission shall be made twice in an academic calendar year preferably in the month of August and February).

11. B.Sc. (Hons.) in Artificial Intelligence and Data Science (3 Year)

Student Intake: 40

ELIGIBILITY: A candidate will be eligible to join 1st semester of B.Sc. (Hons.) in Artificial Intelligence and Data Science course, if the candidate has passed 10+2 examination with 50% marks (45% for SC/ST and differently-abled persons) marks (or equivalent Grade point) in any stream with Mathematics as compulsory subject from recognized board or any other examination recognized as equivalent thereto without reappear.

12. B.Sc. (Non-Medical) (3 Year)

Student Intake: 60

ELIGIBILITY: Candidates who have passed 10+2 examination with Non-Medical.

13. 10+1 (Non-Medical) Direct admission against vacant seats.

ELIGIBILITY: The student should have passed his/her matriculation examination from a recognized board.

14. 10+2 (Non-Medical) Direct admission against vacant seats.

ELIGIBILITY: The student should have passed his/her 10+1 (Non-Medical) examination from a recognized board.

FACILITIES

The Campus is vast, well planned with airy lecture rooms, well-furnished laboratories, well stocked central library, modern computer laboratory and residential accommodation for the staff. The following are the facilities being provided to the staff and students in the campus.

CENTRAL LIBRARY

Central library at Guru Kashi Campus, Talwandi Sabo is housed at the top floor of Yadavindra College of Engineering. This central library is serving all the three institutions of Guru Kashi Campus, i.e., Yadavindra College of Engineering, Guru Kashi College and University School of Business Studies. More than 52,000 volumes are there in this library. This library has well-furnished reading hall where readers can sit and consult reference books and other relevant literature. The library has database of all documents and is also in the process of automation. All the major journal and periodicals are available for the students and faculty.

TEACHING BLOCKS

Well maintained and fully furnished teaching blocks for different streams are provided in the campus. All the lecture rooms in different teaching blocks are spacious, well ventilated and are fitted with latest furniture. The rooms are well illuminated and Punjab State Electricity Board is connecting the entire campus with direct 11 KV line from Grid, so as to provide 24-hour uninterrupted power supply.

THE COMPUTER FACILITIES

The three academic centers (i.e. Guru Kashi College, Yadavindra College of Engineering and the University School of Business Studies) have their independent computer labs and all have established local area network (LAN) with high speed internet connectivity. The campus has a radio link of 25 Mbps bandwidth. All the Students and staff members in the Campus enjoy the facilities of Internet. The labs are equipped with the latest computer hardware and Software. The whole campus is Wi-Fi enabled and students have round the clock access to internet.

SPORTS FACILITIES

Students are encouraged to take active part in sports. Well maintained sports grounds and facilities for different games such as Tennis, Boxing, Basketball, Volleyball, Cricket, Athletics etc. as well as various indoor games are provided. The Campus has a spacious sports Stadium of international standard.

HOSTEL FOR BOYS

Guru Kashi Campus is providing hostel facilities for boys. Eight storied hostel with capacity of about 400 students has been constructed. Each Hostel has its independent mess and all modern amenities for comfortable living.

HOSTEL FOR GIRLS

Guru Kashi Campus is also providing hostel facilities for girls with capacity of about 300 students. A fool-proof security is provided to the girls' hostel to avoid any miss-happening around and inside the hostel.

PLACEMENTS

The Placement Cell is functioning under the centralized placement cell of Punjabi University Patiala. The centralized placement cell is in constant touch with the industrial houses and is entrusted with the responsibility of arranging on & off campus interviews of its students with the executives of the industry and projecting its students by highlighting their achievements and potential for delivering products as per the requirements of the industry. Entire Training and placement work of Yadavindra College of Engineering is done by Placement Cell of Punjabi University, Patiala.

WORKSHOP

Yadavindra College of Engineering has very well equipped and designed workshop to cater to all the areas of manufacturing such as Welding, Carpentry, Fitting, Smithy, Foundry, Mechanical and Machine shops. Its modern machines and equipment along with its gracious look and working environment are its unique features. Besides the students of B. Tech. and M. Tech., these workshops are also used for imparting technical training to the students of 10+1, 10+2 so that these students can have more exposure to the practical work.

TECHNICAL CLUBS & ACTIVITIES

The college is a host to many academic and technical societies for conceptual development of students. Oracle has setup an Oracle Academy on campus for YCoE students. A Local Chapter of NPTEL (National Program on Technology Enhanced Learning) has also been established in college. NPTEL provides E-learning through online Web and Video courses in Engineering, Science and humanities streams.

STAFF RESIDENTIAL APARTMENTS & GUEST HOUSE

College houses a director residence, six 3-storey teaching flats and 32 multi-storey faculty residential apartments to accommodate teaching staff. Accommodation facilities are also extended to supporting staff in the campus. College also houses a guest house having 8 A.C. rooms.

BHAGAT PURAN SINGH HEALTH CENTRE

University also operates its own Healthcare center with Ambulance where all basic medical facilities are provided to students.

TRANSPORT FACILITIES

The college operates its own fleet of buses for students coming from Bathinda and Mansa.

HOW TO APPLY

Candidates seeking admission in the Faculty of Engineering and Technology at Yadavindra College of Engineering, Talwandi Sabo shall be required to fill the prescribed form provided on the website **www.ycoe.ac.in** and **ycoe.punjabiversity.ac.in** and submit in the office of Head, Yadavindra College of Engineering, Talwandi Sabo in the stipulated time frame.

Contact:

Head,
Yadavindra College of Engineering,
Punjab University Guru Kashi Campus,
Talwandi Sabo, Distt. - Bathinda 151302
Contact: 01655-220786, 01655-220444, 9119700099
Website: www.ycoe.ac.in, <http://ycoe.punjabiversity.ac.in>
Check out latest activities of Department: <https://www.facebook.com/ycoe.papatiala/>