

COLLEGE OF TECHNOLOGY
G.B. PANT UNIVERSITY OF AGRICULTURE & TECHNOLOGY
PANTNAGAR - 263145
GENERAL INFORMATION

The University

The Govind Ballabh Pant University of Agriculture & Technology was established in 1960 as per the Act of the State legislature of Uttar Pradesh, enacted in 1958, with the following objectives:

- Making provisions for the education of rural people of Uttar Pradesh in different branches of study, particularly agriculture, rural industry, business and allied subjects.
- Furthering the prosecution of research, particularly in agriculture and other allied sciences: and
- Undertaking field and extension programs.

The Govind Ballabh Pant University of Agriculture & Technology needs little introduction. The University has established itself as a world-class institute as far as Agriculture, Veterinary Sciences, Engineering and allied subjects are concerned and are involved in extensive teaching, research and extension work. The alumni of the University hold inter-alia, top management positions in best of Indian as well as multinational companies both in India and abroad.

The University was organized on the pattern of Land Grant Universities of USA under a collaborative arrangement with the University of Illinois, on an area of 16,000 acres, to facilitate its activities in the field of teaching, research and extension. Having made a small yet impressive beginning in July 1960 with three faculties viz., College of Agriculture, College of Veterinary Medicine and School of Basic Sciences and Humanities, the University has grown from strength-to-strength into a fairly large academic institution. Presently, the University has following faculties:

- College of Technology
- College of Agriculture
- College of Basic Sciences and Humanities
- College of Fisheries
- College of Forestry and Hill Agriculture
- College of Home Science
- College of Post Graduate Studies
- College of Agribusiness Management
- College of Veterinary and Animal Sciences
- College of Forestry Ranichauri
- Veer Chandra Singh Garhwali College of Horticulture Bharsar

The University offers 15 First-Degree Programs, 68 Master Degree Programs and 52 Ph.D. Programs in various fields.

The College of Technology

The College of Technology was established in 1966 as a constituent College of the University. Initially the College offered B.Tech. Degree programs in four disciplines of Engineering – Agricultural, Civil, Electrical, and Mechanical. Subsequently in 1984 three more disciplines – Computer, Electronics & Communication, and Production – came into existence to cope up with the upcoming technological requirement. In between, Post Graduate Programs in various specializations have been introduced. At present the college runs eight Bachelor degree and twenty-two Post Graduate degree programs.

In 1984 itself, on the recommendation of the Indian Council of Agricultural Research, the department of Agricultural Engineering was reconstituted into four departments of Post Harvest Process and Food Engineering, irrigation & Drainage Engineering, Farm Machinery and Power Engineering and Soil & Water Conservation Engineering. These departments offer specialized P.G. programs independently and are jointly responsible for running the B. Tech. Agricultural Engineering Program. Therefore, the college, at present has ten departments, functioning independently under the administrative control of the Dean, College of Technology. Apart from the Uttaranchal State Higher Education Department, the College receives financial grants from various Central agencies like the University Grant commission, the All India Council for Technical Education, the Department of Science and Technology, the Indian Council of Agricultural Research the Council of Scientific and Industrial Research and world Bank.

The Program

The College of Technology running successfully B.Tech. Program in Computer Engineering since 1984 and in IT from 2000. The alumni of the programs are not only decorating the august posts and positions but have been contributing to the creation and cultivation of knowledge in the area of computing. To cater the increasing demand of well trained IT man power in corporate world as well as to augment the employability of the graduates the M.C.A Program started as per the resolution of BOM with 199th meeting held on 3.1.2006 under self-financed three-year (six semester) degree program. The salient features of the program are as follows.

Course Program for M.C.A.

Core Courses	55 Credits
Basic Supporting Courses	9 Credits
Elective/Optional Courses	12 Credits
Industrial Training/Project	15 Credits

Duration of degree program

Minimum: 6 semesters

Maximum: 9 semesters

The normal duration of the program is six semesters. Summer vacation is utilized for providing organizational orientation to students through attachment to business organizations/ advanced organizations. Placement activities start in the third semester of the program. The minimum and maximum duration of the program is six and nine semesters respectively.

No. of Seats: 48

50% seats are reserved for the candidate's bonafide residents of State and 50% for other states. The candidates who have obtained qualifying degree form G.B.P.U of A &Tech. Pantnagar are treated at par with Bonafide residents of for higher studies.

Eligibility

Indian national having 55 % in B.Sc. with Mathematics/B.C.A. from a recognized University.

Selection Procedure

Admission will be made on the basis of the entrance test to be conducted by admission committee, G.B.P.U of A &Tech. along with the other programmes of the university. **[The composition of the paper and syllabus is place at Annexure-I.]**

Reservation:

Seats for OBC,SC and ST candidates are reserved as per the reservation policy of the State Government of Uttarakhand, implemented by the University. Candidates claiming reservation shall be required to submit appropriate certificate [Annexure-II] as per rules issued after 20.11.2001 failing which they shall be treated in general category only. Any subsequent claim for reservation shall not be entertained. For getting reservation under OBC category only the certificate should be issued after March 31, 2009.

Fee Structure and Payment Schedule

The candidates are required to pay the fee within the time limits specified in the following paragraph:

Admission/ Counselling Fee: Candidates called for Counselling and Personal Interview will be required to deposit a Demand Draft for Rs. 5,000.00 drawn in favor of Dean, College of Technology, Pantnagar payable at Punjab National Bank (Branch code No.4446), or State Bank of India (Branch Code No.1133) or UCO Bank (Branch Code No.678) as Counseling Fee. This is a prerequisite for attending the counselling and Interview. An amount of Rs. 3000.00 only will be refunded to those who are not admitted.

The programme fee and university fee will be required to be paid by the selected candidates as per the following schedule:

The Programme fee of Rs. 40,000.00 per year should be paid through DD drawn in favour of The Dean, Technology, Pantnagar.

The Programme fee once paid will not be refunded under any circumstances.

University Fee

University fee as prescribed for master's programs of College of Technology shall be payable.

Note:

- The program fee shall be paid as soon as the admission is confirmed.
- The program fee shall be per annum irrespective of number of semesters completed by the student in an academic year.
- Caution Money of Rs. 200 is refundable.
- Food advance a Rs. 8,000.00 is adjustable.
- Actual Food bills are to be paid every month.

Declaration

All the admitted candidates have to execute the voluntary declaration form & as per the directions of the Supreme Court declaration for the non- participation in ragging (**Annexure-III &IV**)

Medical Examination

All the admissions are subject to the medical and physical fitness as per medical standards prescribed. The medical fitness certificate must be obtained either from the Chief Medical Officer of a district or a Chief Medical Superintendent of Government base Hospital on the format provided by the University. (**Annexure-V**)

Educational Loan Facilities

The Nationalized Banks located at University campus, Pantnagar, provides Loan facilities to the needy students.

Hostel Facilities

The University is fully residential. The entire students are required to stay in hostel. The University has separate hostels for boys and girls. The students will be allotted appropriate accommodations in the hostel. The hostel mess is managed by the students Mess committee.

Infrastructure Facilities

The University has an enviable infrastructure support. It has a multistoried library, with a collection 3,60,000 of books, 360 national and 230 international journals along with other periodicals in the area of Computer Technology and other allied areas. The Library also has access to INTERNET and On-line Reference Retrieval through CD-ROM facility.

Dr. K.N.Shukla Central Computer Facility was created by the World Bank grant under TEQIP. The facility is equipped with the high capacity Itanium Servers, San Server for sufficient reliable storage capacity and a number of the Dell Servers to cater the execution of networked software used in various domains of Engineering and agriculture. The Service is provided around the clock.

The CCF is designed for providing round the clock break free service with the support of 100 KVA UPS backup and 120 Minutes and secondary support of DG sets of capacities 250 KVA & 125 KVA.

The CCF is the central node of campus wide networking which distributes the 20MBPS bandwidth in the various subunits of the university through campus wide networking. Besides it supports for the training and education of the students in particular and other stake holders in general. The CCF is rated as the national level facility, one of best in its category.

The University encourages its students to participate in sports and games for which a Gymnasium, a squash court, two basketball courts, a badminton court, a stadium and excellent infrastructure for other indoor games are available. The University auditorium supports the cultural activities, entertainment and other co-curricular activities of the students.

Major Collaborating Departments

Department of Mathematics, Statistics and Computer Science

Department of Computer Engineering

Department of E&C Engineering

Department of Financial Management

MEDICALCAL STANDARDS

1. General Requirement

The candidate should posse's good general physique and should be free from any infectious or contagious disease. He/she should be free form any physical or mental illness or defect(s) likely to interfere with the training in the University.

2. Heart and lungs: No significant abnormality should be present.

3.Hernia, Hydrocele : There should be no hernia or hydrocele, If present correct before admission.

4. Vision :

(a) Normal without glasses. Where defective, it must be corrected to 6/9 in better eye and 6/12 in the other eye.

(b) There should be no color blindness for major colors.

5.Hearing : Normal in the both ears. Where defective, it must be corrected before Hand.

6. Speech :There should be no major speech defect.

Note: 1. The candidates are well advised to set themselves checked up for any defect and get the same rectified before taking admission to avoid rejection.

Last Date of Submission of Application 21-04-2009

Mode of Examination

All the candidates seeking admission to MCA Programme shall take (i) Aptitude test and (ii) subject matter test without any break from 3.00 P.M. to 6.00 P.M. The examination shall start with Aptitude test and after 45 minutes the questions booklet of aptitude test shall be taken back and the question booklet for subject matters will be distributed. The aptitude test and subject matter test shall consist of 50 and 150 questions respectively. The question paper will be objective type with multiple choice for each question in English Language only.

The examination shall be conducted at two centers.

- (1) Pantnagar
- (2) Ranichauri

DISTRIBUTION OF QUESTIONS IN THE PAPER:

The question paper will contain 200 multiple choice questions distributed as follows:

- | | |
|-----------------------|--------------|
| 1. Mental Aptitude | 50 questions |
| 2. Mathematics | 90 questions |
| 3. Computer Awareness | 30 questions |
| 4. General English | 30 questions |

SYLLABUS**Mental Aptitude: (50 questions)**

The questions in this section will cover logical reasoning and quantitative aptitude. Some of the questions will be on comprehension of a logical situation and questions based on the facts given in the passage.

MATHEMATICS: (90 questions)

Set Theory: Concepts of sets – Union – Intersection – Cardinality – Elementary counting theorem permutations and combinations

Probability and Statistics: Basic concepts of probability theory, Averages, Dependent and independent events, frequency distributions, measures of central tendencies and dispersions.

Algebra: Fundamental operations in Algebra, Expansions, Factorization, simultaneous linear & quadratic equations, indices, logarithms, arithmetic, geometric and harmonic progressions, determinants and matrices.

Coordinate Geometry: Rectangular Cartesian coordinates, distance formulae, equation of lines, intersections of lines, pair of straight lines, equations of a circle, parabola, ellipse, and hyperbola.

Calculus: Limit of functions, Continuous function, Differentiation of function, tangents and normals, simple examples of maxima and minima. Integration of functions by parts, by substitution and by partial fraction; Definite integrals, Applications of Definite Integrals to areas.

Vectors: Position vector, addition and subtraction of vectors, scalar and vector products and their applications to simple geometrical problems and mechanics.

Trigonometry: Simple identities, trigonometric equations, properties of triangles, solution of triangles, heights and distances, General solutions of trigonometric equations.

COMPUTER AWARENESS : (30 questions)

Computer Basics: Organization of a Computer, Central Processing Unit (CPU), Structure of instructions in CPU, input/output devices, computer memory, back-up devices.

Data Representation: Representation of characters, integers and fractions, binary and hexadecimal representations, Binary Arithmetic: Addition, subtraction, multiplication, division, simple arithmetic and two's complement arithmetic, floating point representation of numbers, Boolean algebra, truth tables, Venn diagrams.

GENERAL ENGLISH: (30 questions)

Questions in this section will be designed to test the candidates' general understanding of the English language. There will be questions on the following topics. Comprehension, Vocabulary, Basic English Grammar (like usage of correct forms of verbs, prepositions and articles). Word power, Synonyms and Antonyms, Meanings of words and phrases, Technical writing.

उत्तरांचल के अन्य पिछड़े वर्ग के लिए जाति प्रमाण पत्र

प्रमाणित किया जाता है कि श्री/श्रीमती/कुमारी.....सुपुत्र/सुपुत्री श्री.....
निवासी ग्राम.....तहसील.....नगर.....जिला.....
उत्तरांचल की.....पिछड़ी जाति के व्यक्ति हैं।

(यह जाति उत्तरांचल लोक सेवा) (अनुसूचित जातियां/ अनुसूचित जन जातियों तथा अन्य पिछड़े वर्गों के लिए आरक्षण) अधिनियम, 1994 की अनुसूची-2 (अधिसूचना संख्या-27/16/92-का0 2/1995 टी0सी0 दिनांक 8 दिसम्बर, 1995 द्वारा यथा संशोधित) से आच्छादित नहीं है।

श्री/श्रीमती/कुमारी.....तथा अथवा उनका परिवार उत्तरांचल के
ग्राम.....तहसील.....नगर.....जिला.....में सामान्यता रहता है।
स्थान : _____ हस्ताक्षर _____
दिनांक : _____ पूरा नाम _____
मेहर : _____ पदनाम _____

जिला अधिकारी/अतिरिक्त जिला अधिकारी/सिटी मजिस्ट्रेट/परगना मजिस्ट्रेट/तहसीलदार
Note: This Certificate will be acceptable only if it is issued after March 31, 2008

अनुसूचित जाति/जनजाति प्रमाण पत्र

(अभ्यर्थी के जन्म जिले के जिला मजिस्ट्रेट/प्रथम क्लास मजिस्ट्रेट द्वारा प्रमाणित)

यह प्रमाणित किया जाता है कि श्री/कु0.....पुत्र/पुत्री श्री.....
निवासी गाँव/शहर.....तहसील.....जिला.....प्रदेश.....का जन्म.....
जाति में हुआ था और यह जाति अनुसूचित जाति/जनजाति आदेश (संशोधन) एक्ट 1956 के अन्तर्गत भारत सरकार/उत्तरांचल शासन/.....सरकार द्वारा मान्य
अनुसूचित जाति/जनजाति है।

स्थान : _____ हस्ताक्षर _____
दिनांक : _____ पूरा नाम _____
अभ्यर्थी के हस्ताक्षर : _____ पदनाम _____

उत्तरांचल के अन्य पिछड़े वर्ग के लिए जाति प्रमाण पत्र

(उस जिले के जिलाधिकारी द्वारा प्रमाणित जिसका अभ्यर्थी निवासी है)

यह प्रमाणित किया जाता है कि श्री/श्रीमती.....पिता/माता श्री/कु0.....
उत्तरांचल.....गाँव/शहर.....तहसील.....जिला.....
के स्थायी निवासी हैं तथा श्री/कु0.....अपने पिता/माता पर पूर्णतया आश्रित हैं।
दिनांक : _____ हस्ताक्षर जिला मजिस्ट्रेट _____
स्थान : _____ पूरा नाम _____
अभ्यर्थी के पिता/माता के हस्ताक्षर : _____ मोहर _____

उत्तरांचल सरकार द्वारा स्वीकृत प्रारूप में भी प्रमाणपत्र स्वीकार किये जायेंगे।

SOLEMN VOLUNTARY DELCARATION

I admitted to degree program of College of Technology of the G.B. Pant University of Agriculture and Technology hereby affirm:

1. That I firmly believe in the basic philosophy outlined in paragraph 11.75 of the Second Education Commission, particularly that quoted below:
 “A University or a College is an academic fellowship of equals where things can be discussed and decided reasonably and the joint committees of teachers and students which we have recommended have this purpose specifically in view. These should be fully utilized to ascertain and redress the genuine difficulties of student” What binds together students and teachers is the deep and creative partnership in the sharing of common interest, mutual regard an sense of values, and working together for their main purpose which is the pursuit of knowledge and discovery. Anyone who is not committed to this philosophy or not prepared to honor it has really no place in an institution of higher education”.
2. That in consequence, I believe that all grievances, disputes and problems of the students should be settled by constitutional means, such as approach to the Advisor, Warden, Chief Warden, Dean, Vice-Chancellor or other individuals concerned or by raising them in the relevant committees, such as Central Food Advisory Committee. Professional Societies, Cultural Societies, etc, or by reference to the Board of Management, Chancellor or the State Govt., or if all other means fail by having recourse to court of justice.
3. That I, further believe that, under no circumstances, there is any need or justification for any defiance of the Rules and Regulations of the University, show of force, unruly demonstration, coercion, violence or any other means forming part of the so called direct action. I promise that I shall never have recourse to any unconstitutional means.
4. That I, further believe that under no circumstances, there is any justification for any student approaching any outsiders, may be they the agitators from the Universities, politicians or disgruntled individuals not concerned with the affairs of the University. All matters should be settled by those concerned with the affairs of the University such as the students and staff of the University, guardians of the students, members of the Board of Management, the state Government, Chancellor, etc. I shall accordingly refrain from approaching any outside element not concerned with the affairs of the University.
5. That I shall attend my classes and participate in other activities of the University according to the program, irrespective of the fact whether my other colleagues do so or not and that I shall do so even in the case of intimidation by any of them.
6. That, I further declare that any activity/traveling connected with studies/courses/project etc. will be entirely on my risk and responsibility and in case of accident or mishap the University or any of the functionary will not be responsible for that.
7. I also affirm that I shall abide by the word and spirit of the above declaration and further undertake that if, at any time I am found indulging in any such activity I may be dismissed from the University.

Guardian’s Signature
 Name in Block Letters
 Date

Student’s Signature
 Name in Block Letters
 Date

DECLARATION FORM OF THE CANDIDATES FOR NON PARTICIPATION IN RAGGING

I.....Son/Daughter of Sri.....aged about
.....year R/O.....the deponent declared on oath as under:-

1. That the name and address of the deponent mentioned above is true and correct.
2. That the deponent has completed his/her earlier education form College (Name and address).....
3. That the deponent has appeared in Entrance Examination _____ for UG/PG degree Programme of G.B.P.U.A.&T. and is seeking admission to _____
4. That the deponent is well known that the ragging as defined below has been declared illegal by the Apex court.
“Any disorderly conduct whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness any other student, indulging to rowdy or undisciplined activities which cause or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in a fresher or a junior student or asking the students to do any act or perform something which such student will not do in the ordinary course and which has the effect of causing or generating a sense of shame or embarrassment so as to adversely affect the physique or psyche of a fresher or junior student.”
5. That the deponent has not taken part in ragging during his/her earlier education in any school/college.
6. That the deponent undertakes not to indulge himself/herself in so called illegal ragging during his/her stay in the university.
7. That in case the deponent is found guilty for an offence of ragging, he/she will be solely responsible for the legal as well as disciplinary/ and administrative action taken by the university. Which may lead to rustication also.
8. That the respondent shall not make any claim against the action taken by the university, in case he/she is found guilty as per item 7 above of this declaration.

Left thumb impression of Deponent.

Signature of Deponent.
Roll No.....

Verification

I the deponent named above do hereby verify that the contents of paragraph 1 to 7 at the above- mentioned are correct to my personal knowledge and I believe the same to be true. Nothing has been concealed.

Verified onday of2008 at(Place)

Verified and identified by Sri.....
Signed (Father/Guardian).....

Deponent
Roll No.....

FORMAT FOR MEDICAL CERTIFICATE**(TO BE OBTAINED ONLY FROM A CHIEF MEDICAL OFFICER OF A DISTRICT
or CHIEF MEDICAL SUPERINTENDENT OF GPVT. BASE HOSPITAL)**

Name of Candidate:		Age:		Sex:	
Roll No.:		Category:		Subcategory:	
Merit Position :		Father's Name:			
(To be filled in by the candidate)					

L.T	M.I.	V	Colour Vision
Height	Weight	I	Without glass
Chest	Abdomen	S	With glass
		I	
		O	
		N	

History	Operation Seizures	Kock's Asthma	Colic's Piles	BP Diabetes
E	Pulse	Tonsil	DNS	Hernia
X				
A				
M	Pallor	L Nodes	CSON	Hydrocele
I				
N				
A	Cardiovascular		CNS	
T				
I	Respiratory		GIT	
O				
N	Genitourinary		Others	
S				
Is the candidate physically handicapped			:Yes/No	
If yes. Type and extent of handicap (Place write)			:Type-I One leg or hand defective	
Type _____			Type – II : One leg missing	
Exent _____ %			Type –III : One Hand missing	
Any other type of handicap (Place specify)			:	
Any other finding :				
Final result.(Fit/Unfit).....based on the medical standards given in Annexure II of the Prospectuses (overleaf) for the purpose of Admission				

Signature of Candidate

Signature of Chief Medical Officer/
Chief Medical Supdt. of Govt. Base Hospital (with official stamp)

IMPORTANT INFORMATION AT A GALNCE

Availability of Application forms
from the website listed above

21.03.2009

Last date for receipt of duly filled in application
form along with the requisite fee.

21.04.2009

Date & Time of Examination

06-06-2009
(03.00pm -06.00pm)

Contact Address :
Dean,
College of Technology
G.B.Pant University of Ag. & Tech.
Pantnagar- 263145
Distt- U.S.Nagar (Uttarakhand)
Phone: 05944-233338, Fax: 05944-233338.

Note: The downloaded form can be submitted with the Fee. of Rs. 1,000 only.