2022-23

HANDBOOK OF INFORMATION

SCHOOL OF COMPUTER SCIENCE & ENGINEERING AND BUSINESS MANAGEMENT

GOVERNMENT POST GRADUATE COLLEGE
Dharamshala, Himachal Pradesh-176215

NAAC ACCREDITED Grade 'A' College (2015)

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Talk to yourself once in a day,
otherwise you may miss meeting an intelligent person in this world.

Message from the Director's Desk...

In this era of highly competitive global market, there should be a synergy between today's need & tomorrow's expectation. The structure & delivery of the curriculum at Faculty of Management and Computer Applications are contemporary & based on our continuous interaction with renowned educationists & industry professionals.

At Government Post Graduate College Dharamshala we believe in developing holistic managers and leaders for tomorrow's corporate culture by following a judicious blend of theory & practice, using highly innovative pedagogical tools tailored by the institute to bequeath its students with cutting edge management and technical wisdom. Our endeavor is to groom them to be highly adaptive to the changing business environment and sensitive towards social responsibilities.

The groundwork of our management and computer applications program is rock solid, built over the pillars of Academic Infrastructure, Faculty Resources, Industry-Institute Interactions and Student Development Initiatives. We have continuously put in efforts to make sure that these pillars are adequately robust so as to produce paramount managers that the business fraternity would look forward to. The institute can modestly claim itself as one of the best in state of Himachal Pradesh.

I am confident that you would be satisfied to your heart's content when you would interact with these budding professionals.

Looking forward to see you at campus.

With Warm Wishes...!!!

Dr. Rajesh Sharma
Principal cum Director

Message from
School of Computer Science & Engineering Coordinator...

India's New Education Policy envisages distinctly and strongly hued applied and research fields of Higher Education with impetus on skill enhancement. Students who are opting for a specialized course like BCA will have advantages of an early bird. So, capitalize on this opportunity by hard work, diligence and exposure about the latest and hot fields. MCA and B.Tech.(CSE) course offered by the School of Computer Science & engineering of Government College Dharamshala, an institute of eminence and illustrious alumni, will further your academic endeavors with experienced and motivated faculty, well equipped labs with support infrastructure and able administration. Try to catch up with the latest trends in the field like artificial intelligence, data science, quantum computing and many more, also get maximum certifications in the relevant field from various agencies which will endear you to a very good CurriculumVitae. Wish you all the success.

With Warm Wishes...!!!

Dr. Vikram S.Vats
Coordinator,
School of Computer Science & Engineering

Time management is really personal management, life management. and management of yourself.

.... **Brian Tracy**

Dear Students,

Businesses as well as society at large acknowledge the need to assume our responsibility for the sustainable management of the economy and the environment. The MBA Programme equips future Managers with the knowledge to manage various challenges steering business on the path of Sustainable Development. It offers understanding and expertise on a broad range of Subjects on various sustainability issues and safety challenges we face and the management tools to come up with solutions to address these issues. The Course Content is designed to meet the industry needs. It extensively covers topics on Industrial Safety and Sustainability Management and Operations Management to equip students develop integrated professional skills needed to solve real world challenges preparing them for management positions in Multinational Corporations, Government, Consulting firms and NGOs.

In 2013, Environmental, Social, Economic and Safety considerations have become an integral part of core business planning in India, expanding from the realm of a limited number of EHS specialists to a full league of Sustainability specialists, business strategists, financial professionals, marketing managers and Risk Specialists. With Safety and environmental issues at the centre of the global economy, these issues inevitably will assume a more central role in business education. The MBA curriculum introduces students to a systematic approach for the evaluation of environmental, social and economic impacts. MBA Department at Government Post Graduate College Dharamshala has been producing excellent specialists in the field who can be torch bearers for the sustainability revolution in the Indian Business.

Once again, welcome to the Government Post Graduate College Dharamshala family and welcome to our community of shared principles and values. Wish you happy, healthy, and fruitful two years ahead.

With Warm Wishes...!!!

Dr. Ajay Singh Katoch
Coordinator MBA

CONTENTS

GOVERNMENT POST GRADUATE COLLEGE DHARAMSHALA - AN INTRODUCTION

Government Degree College Dharamshala, nestled at the foothills of lofty Dhauladhars and mountains capped with snow, is one of the oldest institutions of the state and enjoys a magnificent history of achievements.

The foundation stone of the college was laid way back in 1912 in the year 1926, it was elevated to the level of an intermediate college upgraded to the level of graduation in 1947 and was the first college of the state to introduce Post Graduation in different streams in 1977. The journey of success still continues, as it was accredited'B' grade in 2003 and 'A' grade in the academic session 2015 by NAAC (National Assessment and Accreditation Council, Bengaluru). The evolution and growth of the college has been phenomenal. Apart from the regular streams of under graduate classes in college, our college has M.Sc. (Geography), M.Sc. (Chemistry), M.A. (English), M.Com, MCA, MBA, PGDCA, BBA, BCA, B.Sc-Biotech, two B.Voc. Courses (Hospitality & Retail Management) and the college has already started B.Tech. (CSE) under the umbrella of School of Computer Science and Engineering.

The vision and mission of this educational institution has been to impart knowledge, build careers, develop skills and focus on holistic growth and development of each and every student so that they are competent enough to face the challenges of a bigger world.

The College has implemented RUSA-CBCS from 2013 onwards. The college has IGNOU study centre. Library is an integral part of any educational institution and the library of the college is fully computerized, spacious and largest in the state with a total number of 62,311 books on its shelves. There is one part of library which is totally dedicated to professional courses students. The college library has been "N-Listed" under INFLIBNET whereby students can have on line access to books and journals. The college Library subscribes25 Magazines, 10 Journals and 10 different Newspapers in Hindi and English language.

The Career Guidance Cell of the college remains active throughout the session and arranges various counseling lectures for students to make them aware of the vistas open to them in this modern competitive world. The college has five modern Computer Labs with more than 200 computers and students have the privilege to avail internet facility with broad-band connection. The Wi-Fi facilities for the students is available in the campus. The college has constituted various clubs and societies like Drama Club, Eco Club, Mountaineering and Trekking Club, Yoga and Fitness Club, Disaster Management Club, B-Speak Club, Planning Forum, Cultural Society, Literary Society, Commerce Society, Science Society etc. which provide platform to the students who have the ability and talent for doing something exceptional, extra-ordinary and adventurous. The college has not only excelled in academic activities but has

also distinguished itself in sports and cultural activities as well. The sports persons of the college have brought laurels not only at state or national level but also at international level.

The College has separate NCC unit for boys and girls and three units of National Service Scheme (NSS) and one unit of Rovers and Rangers. In order to spread AIDS awareness, the college is running Red-Ribbon Club. The Parent-Teacher Association is an integral part of the college and it always comes forward to assist the college administration to take up various developmental activities in the college. Old Student's Association is playing a pivotal role in the growth of the college. Under the UGC scheme, the college offers free of cost Remedial Coaching Classes for the students belonging to SC/ST/OBC and Weaker Section of the society and also for competitive exams like JEE, NEET, NDA, CDS, Banking, NET or SLET etc. and the initiative has attracted large number of aspirants from different parts of the state.

OUR COMMITMENTS

Govt. Post Graduate College Dharamshala is one of the leading place where one can grow professionally & ethically.

Committed to achieve academic and professional excellence by providing quality professional education.

v   To build student's attitude and values toward profession and professional life.

v   To improve communication and self presentational skills.

v   To enhance employability of students.

v   To provide maximum employment opportunities.

v   To Teach with skill and passion.

v   To impart theoretical base and practical knolwdge.

v   To conduct Seminars, workshops and conferences to prepare students for the Global environment.

TEACHING / LEARNING METHODOLOGY

Learning methodology emphasize contemporary information and knowledge, personal and professional skill development, student-driven methodology, thinking and articulation, peer learning and leadership development.

v **Start with self assessment through previous knowledge testing**

v **Learning with Practice :** Learning through case methods, team discussions, multimedia stimulation & practical assignments.

v **Class Room Training :** Focus will be on interactive lectures, case analysis, role play, business simulation, games assignments, quiz competitions and syndicate discussion, problem solving and software development techniques.

v **Group and Self Learning**

v **Audio-Video Sessions**

v **Expert lectures :** Lectures by eminent personalities and academicians from renowned institutions & industry.

v **Participative Teaching and Learning**

v **Seminars and Workshops :** Workshops on personality development soft skill and practical training in different areas alongwith conduct of national level seminars and workshops.

v **Project assignments & industrial visit :** Visits for specific project work which includes live projects also.

v **Workmanship :** Live work experience will be planned to develop workmanship among students.

v **Tutorials :** Sharing of students problems through open discussions and solutions.

v **Computer based training :** A regular practical training is provided to students by subject experts through latest software and hardware resources, multimedia setup, computer network, internet etc. installed in the computer lab of the college.

v **Culture & life style :** A unique blend of activities and enthralling events build your drive for self-initative,enthusiasm and energy. The life style nurtures independence, value of freedom, self discipline, self responsibility and modern living. You are prepared to work hard, achieve results and deal with pressures of demanding business world.

v **Educational Tours :** Educational and industrial tour are organized for students every year to make them aware of changing scenario of the industrial sector.

CODE OF CONDUCT AND GENERAL RULES

1. The decision of Principal in all matters will be final and binding.

2. Students must be seated in the classrooms before the start of the lecture. No student shall enter the class or knock the door after 5 (Five) minutes of the start of the class.

3. No students shall be loitering near the classes once the classes are in progress.

4. Regular attendance in the class including guest lectures is compulsory.

5. Use of mobile phones is strictly prohibited in the college premises.

6. Every student will submit assignment, project etc. as per periodic directions.

7. Misbehaviour, persistence disobedience, habitual late coming, consumption of drug or liquor in the institute, cheating in the examination
   and any unbecoming act may invite strict disciplinary action including expulsion from the institute.

8. Each student is expected to observe the college dress code strictly.

9. Each student is expected to be present regularly in the college. Name will be struck-off if a candidate absentees himself continuously for six days. Candidate can seek re-admission after satisfying the Principal.

10. No student is permitted to undertake any part time / whole time job during the courses of study.

11. No student is allowed to put posters in college campus or notice board and to hold assembly in college premises or to address on unauthorized assembly in the college campus.

12. Any student causing loss to the college property will be penalized and the students concerned will have to replace or get the same repaired at his / her own costs.

13. Food, breweries and any type of drink are not permitted in the lab / class rooms.

14. Students are not allowed to leave the college campus during teaching hours without prior permission.

15. Parents will be intimated about the progress of their ward periodically through personal feedback.

16. Every student must always carry with him / her duly completed identity card.

17. The boys are directed to have their beard properly trimmed and the girls are also directed to keep their hair in proper order, either they should make a bun or should be properly and decently tied.

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SCHOOL OF
COMPUTER SCIENCE
& ENGINEERING

RAGGING IS A CONGIZABLE OFFENCE

... Any act of Ragging would not go unnoticed and unpunished...

"The Apex Court has defned 'ragging' as an disordely conduct whether by words spoken or written or by an act having an effect teasing, treating or handling with rudeness any other student, including in rowdy or indisciplined activities which cause or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof, in a fresher or junior student; or asking the student to do any act of perform something which such student will not do in the ordinary course; or 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 a junior student.

Toll Free Helpline Number - 1800 - 180 - 5522

ATTENTION FOR CANDIDATES

Ragging is banned in the institutions and anyone indulging in ragging is likely to be punished appropriately which punishment include imprisonment, fine or both, expulsion from the institution, suspension from the Institution or classes for a limited period or fine with a public apology. The punishment may also take the shape of (i) withholding scholarship (ii) debarring from representation in events (iii) withholding of results (iv) suspension or expulsion from hostel or mess.

In case a student is harassed by seniors/any other students at the Institution, Hostels/any premises of the University he/ she may contact directly or telephonically to the following authorities immediately.

ANTI RAGGING COMMITTEE

1.	Dr. Rajesh Sharma (Principal Cum Director)	01892-222215
2.	Dr. Vikram S. Vats (Co-ordinator)	94180-85705
3.	Dr. Pawan Thakur	98273-36325
4.	Dr. Satish Sood	98164-46709
5.	Ms. Susheela Pathaina	82197-11902

RAGGING IS A PUNISHABLE OFFENCE. RAGGING OF ALL KIND IS STRICTLY BANNED IN THE COLLEGE CAMPUS. ANYBODY CAUGHT INDULGING IN THIS EVIL EXERCISE SHALL FACE PENALTY UNDER THE LAW. ACT REMOTELY SUGGESTIVE OF RAGGING SHOULD BE REPORTED TO THE COLLEGE AUTHORITIES / TO THE MEMBERS OF ANTI RAGGING COMMITTEE

The School of Computer Science and Engineering at Govt. College Dharamshala offers B. Tech.(Computer Science and Engineering) and Master in Computer Applications(MCA) programme to create motivated, innovative, creative thinking graduates to fill ICT positions across sectors who can conceptualize, design, analyse, and develop ICT applications to meet the modern day requirements.

B.Tech (CSE) is a four-year degree course spread over eight semester's course and MCA is a two year degree course spread over six semesters affiliated to Himachal Pradesh Technical University Hamirpur. These courses are approved by All India Council for Technical Education (AICTE), New Delhi. The School of Computer Science & Engineering has requisite number of theatre seminar halls and well equipped AC computer laboratories having more than 60 latest computers with internet facility. The departmentprovides industrial visits and training, seminars, workshops on latest software technologies and study tours to the students. The college hasa career guidance and placement cell which is working very efficiently for the placement of students in MNCs. The department has a well-qualified and trained faculty as per AICTE norms.

OUR VISION

To contribute in state and India through excellence in scientific and technical education and research, to serve as a valuable resource for Industry and Society. Our College sets the standard for residential liberal arts and sciences education. We have committed to creating and sustaining the conditions that enable all College students to experience an unparalleled educational journey that is intellectually, socially, and personally transformative.

OUR MISSON

- To provide best technical education, training especially in Computer Science & Engineering, technology and management to generate new knowledge in rural area of the state.
- To develop the personality and talent of the students.
- To increase the level of self confidence and quality of leadership.
- To develop a positive attitude, good ethics and social values.
- To develop employability skills, potential and capabilities of students.
- To develop team spirit with comfortable interdependence to achieve organisational goals.

BACHELOR OF TECHNOLOGY B.TECH (CSE)

Computer Science Engineering (CSE) encompasses a variety of topics that relates to computation, like development of algorithms, analysis of algorithms, programming languages, software design and computer hardware. Computer Science engineering has roots in electrical engineering, mathematics, and linguistics. In the past Computer Science was taught as part of mathematics or engineering departments and in the last 3 decades it has emerged as a separate engineering field. In the present information era (Knowledge era) computer science and engineering will see an exponential growth as the future machines work on artificial intelligence.

Computers have become ubiquitous part of modern life, and new applications are introduced every day. The use of computer technologies is also commonplace in all types of organizations, in academia, research, industry, government, private and business organizations. As computers become even more pervasive, the potential for computer-related careers will continue to grow and the career paths in computer-related fields will become more diverse. Since 2001, global information and communication technologies (ICTs) have become more powerful, more accessible, and more widespread. They are now pivotal in enhancing competitiveness, enabling development, and bringing progress to all levels of society.

The career opportunities for computer science and engineering graduates are plenty and growing. Programming and software development, information systems operation and management, telecommunications and networking, computer science research, web and Internet, graphics and multimedia, training and support, and computer industry specialists are some of the opportunities the graduates find.

OBJECTIVE:

- To provide facilities for Computer Science & Engineering and all other types of scientific education and training to the rural people and with this end in view, to establish, maintain, and manage an engineering education, at Dharamshala.

- To supply necessary information for the said purposes to people through Books, Magazines, Papers, etc.

OVERALL OBJECTIVES OF THE PROGRAMME IS TO IMPROVE:

1. Understanding of theoretical foundations and limits of computing and Computer Industry.
2. Understanding of computing at different levels of abstraction including OOPS, Cloud Computing, Internet of Things circuits and computer architecture, operating systems, algorithms and applications.

3. Ability to adapt established models, techniques, algorithms, data structures, etc. for efficiently solving new problems.

4. Ability to design, implement, and evaluate computer based system or application to meet the desired needs using modern tools and methodologies.

5. Ability to function effectively in teams to accomplish a common goal.

6. An understanding of professional and ethical responsibility.

7. Ability to communicate effectively with a wide range of audience.

8. Ability to self-learn and engage in life-long learning too.

9. Understanding and ability to use advanced techniques and tools in different areas of computing.

10. Ability to undertake small research tasks and projects.

11. Ability to take an idea and develop into a business plan for an entrepreneurial venture (if desired).

12. An understanding of the impact of solutions in an economic, societal and environmental context.

ADMISSION CRITERION, ELIGIBILITY & BASIS OF ADMISSION

ADMISION CRITERION & ELIGIBILITY

The candidate must have passed 10+2 or its equivalent examination from a recognized Board or University with Physics and Mathematics as compulsory subjects along with one of the Chemistry/ Biotechnology/ Biology/ Technical Vocational subject securing at least 45% marks (40% in case of candidate belonging to reserved category) in the above subjects taken together.

BASIS OF ADMISSION

1. The admission to the first 50% of the seats shall be made on the basis of merit/rank/score obtained in Joint Entrance Examination (Main)-2022 hereinafter referred as JEE (Main)-2022. The remaining 50% seats will be filled up on the basis of merit of Himachal Pradesh Common Entrance Test-2022 (hereinafter referred as HPCET-2022)

2. In case the seats remain vacant after exhausting the merit of JEE (Main)- 2022 and HPCET-2022, the remaining seats will be filled up on the basis of merit of 10+2 examination conducted by a recognized Board or University.

3. The number of seats remains vacant to be filled on the basis of each test/examination will be shifted and filled on the basis of next text/examination in continuous order.

FEE STRUCTURE

AS PER THE DEPARTMENT OF TECHNICAL EDUCATION, THE FEE STRUCTURE FOR B.TECH. (CSE) W.E.F. ACADEMIC SESSION 2022-23 ONWARDS WILL BE AS FOLLOWS :

A. FEE TO BE CHARGED ONLY ONE TIME AT THE TIME OF ADMISSION :

I)	ADMISSION FEE	RS. 500.00
II)	IDENTITY CARD FEE	RS. 200.00
III)	INSTITUTIONAL SECURITY (REFUNDABLE)	RS. 2000.00
IV)	LIBRARY SECURITY (REFUNDABLE)	RS. 2000.00

B. FEE TO BE CHARGED SEMESTER WISE

I)	LIBRARY FEE	RS. 200.00
II)	MEDICAL FEE	RS. 300.00
III)	NCC FUND	RS. 150.00
IV)	NSS FUND	RS. 100.00
V)	INTERNET FEE	RS. 1500.00
VI)	CAMPUS DEVELOPMENT FUND	RS. 3000.00
VII)	STUDENT AMALGAMATED FUND	RS. 8250.00

(SWF, FESTIVAL & CULTURAL, MAGAZINE FEE
STUDY TOUR AND INDUSTRIAL TRAINING, INTERNET
EXAMINATION FEE, STUDENT DEVELOPMENT FUND

C. ANNUAL INSURANCE CHARGES   RS. 150.00

D. TUITION FEE   RS. 40,000.00

E. ANNUAL PTA FUND   RS. 500.00

CONSOLIDATED FEE STRUCTURE (A+B+C+D+E) (SEMESTER WISE) FOR SESSION 2020-24

I)   IST SEMESTER =   4700 (ONE TIME) + 13,500 (PER SEMESTER) + 500 (PTA ANNUAL)
                      + 20,000 (TUITION FEES) + 150 (ANNUAL INSURANCE CHARGE)
                      = 38,850/-

II)   2ND SEMESTER = 13,500 (PER SEMESTER) + 20,000 (TUITION FEES) = 33,500/-

III)   3RD SEMESTER = 13,500 (PER SEMESTER) + 500 (PTA ANNUAL) + 20,000 (TUITION FEES)
                      + 150 (ANNUAL INSURANCE CHARGE) = 34,150/-

IV)   4TH SEMESTER = 13,500 (PER SEMESTER) + 20,000 (TUITION FEES) = 33,500/-

V)   5TH SEMESTER = 13,500 (PER SEMESTER) + 500 (PTA ANNUAL) + 20,000 (TUITION FEES)
                      + 150 (ANNUAL INSURANCE CHARGE) = 34,150/-

VI)   6TH SEMESTER = 13,500 (PER SEMESTER) + 20,000 (TUITION FEES) = 33,500/-

VII)   7TH SEMESTER = 13,500 (PER SEMESTER) + 500 (PTA ANNUAL) + 20,000 (TUITION FEES)
                      + 150 (ANNUAL INSURANCE CHARGE) = 34,150/-

VI)   8TH SEMESTER = 13,500 (PER SEMESTER) + 20,000 (TUITION FEES) = 33,500/-

NOTE :   I)   TUITION FEE SHALL BE PAYABLE IN TWO INSTALLMENTS AT THE BEGINNING OF EACH SEMESTER.

II)   EXAMINATION FEES FOR EVERY SEMESTER WILL BE PAID BY THE STUDENT.

III)   UNIVERSITY DEVELOPMENT FEES IS TO BE DEPOSITED BY THE STUDENTS PER YEAR.

DETAILED COURSE OUTLINE

Detailed course outline for B.Tech (CSE) Programme is given below which is subject to any change by the Board of Studies approved by Academic Council and Executive Council of H.P. Technical University, Hamirpur.

SEMESTER I

S. N	Category	Paper Code	Subject	L	T	P/D	Credits	Internal Assessment (IA) CT	Internal Assessment (IA) IA	Internal Assessment (IA) Total	ESE	Subject Total
Theory:												
1	MC	HS-101	English Communication Skills	2	-	-	2	20	20	40	60	100
2	FC	MA-101	Engineering Math I	3	1	-	4	20	20	40	60	100
3	FC	PH-101/ CH -101	Engineering Physics/ Engineering Chemistry	3	1	-	4	20	20	40	60	100
4	FC	ME-101/ EE -101	Engineering Mechanics/ Principles of Electrical Engg.	2	2	-	3	20	20	40	60	100
5	FC	CS -101/ EC -101	Computer Fundamentals and Programming in C ++/ Fundamentals of Electronics Engg.	2	2	-	3	20	20	40	60	100
6	MC	ME-102/ ME -103	Engineering Drawing & Graphics/ Workshop Technology	2	-	3	3	20	40	60	40	100
7	MC	HS-102/ HS- 103	Environmental Science/ Disaster Management	2	-	-	2	20	20	40	60	100
Labs:								FW	LP	Total	ESVE	Sub. Total
1	MC/FC	HS -111/ EE- 111	Communication Lab/ Electrical Engg. Lab	-	-	2	1	10	20	30	20	50
2	FC	PH-111/ CH-111	Engineering Physics Lab/ Engineering Chemisty Lab	-	-	2	1	10	20	30	20	50
3	FC	CS -111/ EC- 111	Computer Programming Lab/ Electronics Engg. Lab	-	-	2	1	10	20	30	20	50
			Total	16	6	09	24					

Legend:

L -	Lecture	ESE -	End Semester Examination
T -	Tutorial	FW -	Documentation/ File work and presentation
P -	Practical	LP -	Lab performance
CT -	Class Test	ESVE -	End Semester Exam./ viva-voce Exam.
IA -	Internal Assessment	MC-	Mandatory Course
FC-	Foundation Course		

Note:

Group A:
Branches: Civil Engg., Inf. Technology, Computer Science & Engg. and Electronics & Comm. Engg.
Subjects: HS-101, MA-101, PH-101, ME-101, CS-101, ME-102, HS-102, HS- 111, PH-111, CS-111

Group B:
Branches: Mech. Engg., Automobile, Textile, Electrical Engg. and Electrical and Electronics Engg.
Subjects HS-101, MA-101, CH-101, EE-101, EC-101, ME-103, HS-103, EE- 111, CH-111, EC-111

SEMESTER   II

S. N.	Category	Paper Code	Subject	L	T	P/D	Credit	Internal Assessment (IA)			ESE	Subject Total
								CT	IA	Total		
Theory:												
1	MC	HS -204	Business Communication	2	-	-	2	20	20	40	60	100
2	FC	MA -202	Engineering Math II	3	1	-	4	20	20	40	60	100
3	FC	CH-101/ PH-101	Engineering Chemistry/ Engineering Physics	3	1	-	4	20	20	40	60	100
4	FC	EE -101/ ME-101	Principles of Electrical Engg. /Engineering Mechanics	2	2	-	3	20	20	40	60	100
5	FC	EC -101/ CS -101	Fundamentals of Electronics Engg./ Introduction to Computer Fundamentals and Programming in C^{++}	2	2	-	3	20	20	40	60	100
6	FC	ME-103/ ME-102	Workshop Technology/ Engineering Drawing & Graphics	2	-	3	3	20	40	60	40	100
7	MC	HS-103/ HS- 102	Disaster Management / Environmental Science	2	-	-	2	20	20	40	60	100
	Labs:							FW	LP	Total	ESVE	Sub. Total
1	FC/ MC	EE- 111/ HS -111/	Electrical Engg. Lab/ Communication Lab	-	-	2	1	10	20	30	20	50
2	FC	CH-111/ PH -111	Engineering Chemistry Lab/ Engineering Physics Lab	-	-	2	1	10	20	30	20	50
3	FC	EC -111/ CS- 111	Electronics Engg. Lab/ Computer Programming Lab	-	-	2	1	10	20	30	20	50
			Total	16	06	09	24					

Legend:

L -	Lecture		ESE -	End Semester Examination
T -	Tutorial		FW -	Documentation/ File work and presentation
P -	Practical		LP -	Lab performance
CT -	Class Test		ESVE -	End Semester Exam./ viva-voce Exam.
IA -	Internal Assessment		MC-	Mandatory Course
FC-	Foundation Course			

Note:

Group A:
Branches: Civil Engg., Inf. Technology, Computer Science & Engg. and Electronics & Comm. Engg.
Subjects HS-204, MA-202, CH-101, EE-101, EC-101, ME-103, HS-103, EE- 111, CH-111, EC-111

Group B:
Branches: Mech. Engg., Automobile, Textile, Electrical Engg. and Electrical and Electronics Engg.
Subjects: HS-204, MA-202, PH-101, ME-101, CS-101, ME-102, HS-102, HS- 111, PH-111, CS-111

SCHEME OF TEACHING AND EXAMINATION
COMPUTER SCIENCE & ENGINEERING

SEMESTER III

S. N.	Cat.	Course Code	Subject	Teaching Hours Per Weak			Credits	Examination		
				L	T	P/D		LA Marks	ESE Marks	Total Marks
1	FC	MA-301	Probability and Statistics	2	2	0	3	40	60	100
2	FC	HS 305	Industrial Economics and Management	3	0	0	3	40	60	100
3	PC	CS-301	Data Structures	3	1	0	4	40	60	100
4	PC	CS-302	Object Oriented Programming using C++	3	1	0	4	40	60	100
5	PC	EC-302	Digital Electronics	3	1	0	4	40	60	100
6	PC	CS-303	Computer Architecture & Organization	3	0	0	3	40	60	100
7	OE	-	Open Elective I	2	0	0	2	40	60	100
Labs:										
1	PC	CS-311	Data Structures Lab	0	0	2	1	30	20	50
2	PC	CS-312	C++ Programming Lab	0	0	2	1	30	20	50
3	PC	EC-306	Digital Electronics Lab	0	0	2	1	30	20	50
			Total	19	5	6	24+2			

OPEN ELECTIVE I										
S. N.	Cat.	Subject Code	Title	Teaching Hours Per Week			Credits	Examination		
				L	T	P/D		LA Marks	ESE Marks	Total Marks
1	OE	HS-306	Sociology & Elements of Indian History for Engineers	2	0	0	2	40	60	100
2	OE	HS-307	German Language - I	2	0	0	2	40	60	100
3	OE	HS-308	French Language I	2	0	0	2	40	60	100

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SCHEME OF TEACHING AND EXAMINATION
COMPUTER SCIENCE & ENGINEERING

SEMESTER IV

S. N.	Cat.	Course Code	Subject	Teaching Hours Per Weak			Credits	Examination		
				L	T	P/D		LA Marks	ESE Marks	Total Marks
1	FC	MA-401	Optimization and Calculus of Variations	2	2	0	3	40	60	100
2	FC	HS-409	Human Values and Professional Ethics	2	2	0	3	40	60	100
3	PC	CS-401	Database Management System	3	0	0	3	40	60	100
4	PC	CS-402	Operating System	3	1	0	4	40	60	100
5	PC	CS-404	Theory of Computation	3	1	0	4	40	60	100
6	PC	EC-402	Microprocessor & Peripherals	3	1	0	4	40	60	100
7	OE	-	Open Elective II	2	0	0	2	40	60	100
Labs:										
1	PC	CS-411	Database Management System Lab	0	0	2	1	30	20	50
2	PC	EC-405	Microprocessor & Peripherals Lab	0	0	2	1	30	20	50
3	PC	CS-412	Operating System Lab	0	0	2	1	30	20	50
			Total	18	7	6	24+2			

OPEN ELECTIVE II										
S. N.	Cat.	Subject Code	Title	Teaching Hours Per Week			Credits	Examination		
				L	T	P/D		LA Marks	ESE Marks	Total Marks
1	OE	HS-410	Law for Engineers	2	0	0	2	40	60	100
2	OE	HS-411	German Language - II	2	0	0	2	40	60	100
3	OE	HS-412	French Language II	2	0	0	2	40	60	100

Industrial Training after IV Semester of four weeks duration.

SCHEME OF TEACHING AND EXAMINATION
B.TECH COMPUTER SCIENCE & ENGINEERING

SEMESTER   V

S. N.	Cat.	Course Code	Subject	L	T	P/D	Credits	I.A Marks	ESE Marks	Total Marks
				Teaching Hours Per Weak				Examination		
1	PC	CS-501	Computer Networks	3	1	0	4	40	60	100
2	PC	CS-502	Core Java	3	0	0	3	40	60	100
3	PC	CS-503	Computer Graphics	2	2	0	3	40	60	100
4	PC	CS-504	Artificial Intelligence & Expert System	3	0	0	3	40	60	100
5	PC	CS-505	Software Engineering	3	1	0	4	40	60	100
6	PC	CS-506	Analysis and Design of Algorithm	3	1	0	4	40	60	100
7	OE	-	Open Elective -III	2	0	0	2	40	60	100
Labs:										
1	PC	CS-511	Computer Networks Lab	0	0	2	1	30	20	50
2	PC	CS-512	Core Java Lab	0	0	2	1	30	20	50
3	PC	CS-513	Computer Graphics Lab	0	0	2	1	30	20	50
4	MC	CS-514	Industrial Training (Viva-Voce)	0	0	0	Satisfactory / Unsatisfactory			
			Total	**17+2**	**6**	**4**	**24+2**			

OPEN ELECTIVE III (FOR STUDENTS OF OTHER DEPARTMENT)										
S. N.	Cat.	Subject Code	Title	L	T	P/D	Credits	LA Marks	ESE Marks	Total Marks
				Teaching Hours Per Week				Examination		
1	OE	CS-507	Basics of Operating Systems	2	0	0	2	40	60	100
2	OE	CS-508	PC Maintenance & Troubleshooting	2	0	0	2	40	60	100
3	OE	IT-501	Management of Information System	2	0	0	2	40	60	100

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SCHEME OF TEACHING AND EXAMINATION
B.TECH COMPUTER SCIENCE & ENGINEERING

SEMESTER   VI

S. N.	Cat.	Course Code	Subject	Teaching Hours Per Weak			Credits	Examination		
				L	T	P/D		I. A Marks	ESE Marks	Total Marks
1	PC	CS-601	Advance Java	3	1	0	4	40	60	100
2	PC	CS-602	Distributed Operating System	3	0	0	3	40	60	100
3	PC	CS-603	Compiler Design	3	1	0	4	40	60	100
4	PC	CS-604	Linux Administration	2	2	0	3	40	60	100
5	PC	CS-605	Data Mining & Data Warehousing	3	1	0	4	40	60	100
6	PC	CS-606	Modeling & Simulation	3	0	0	3	40	60	100
7	PE	-	Programme Elective I	3	0	0	3	40	60	100
Labs:										
1	PC	CS-611	Advanced Java Lab	0	0	2	1	30	20	50
2	PC	CS-612	Modeling & Simulation Lab	0	0	2	1	30	20	50
3	MC	CS-613	Seminar	0	0	2	1	50	50	100
			Total	17+3	5	6	24+3			

PROGRAM ELECTIVE I										
S. N.	Cat.	Subject Code	Title	Teaching Hours Per Week			Credits	Examination		
				L	T	P/D		LA Marks	ESE Marks	Total Marks
1	PE	IT-601	Management Information Systems	3	0	0	3	40	60	100
2	PE	IT-602	Enterprise Resource Planning	3	0	0	3	40	60	100
3	PE	IT-603	Multimedia Technology	3	0	0	3	40	60	100

Industrial Training after VI Semester of six weeks duration

SCHEME OF TEACHING AND EXAMINATION
B.TECH: COMPUTER SCIENCE & ENGINEERING

SEMESTER   VII

S. N.	Cat.	Course Code	Subject	Teaching Hours Per Weak			Credits	Examination		
				L	T	P/D		I. A Marks	ESE Marks	Total Marks
1	PC	CS-701	Advance Computer Architecture	3	1	0	4	40	60	100
2	PC	CS-702	Wireless & Mobile Computing	2	2	0	3	40	60	100
3	PC	CS-703	Information Security	3	1	0	4	40	60	100
4	PC	CS-704	Cloud Computing	3	1	0	4	40	60	100
5.	PE		Programme Elective-II	3	0	0	3	40	60	100
Labs:										
1	PC	CS-711	Cloud Computing Lab	0	0	2	1	30	20	50
2	MC	CS-712	Project Work - I	0	0	4	2	50	50	100
3	PC	CS-713	Industrial Training (Viva-Voce)	0	0	0	2	50	50	100
			Total	11+3	5	6	20+3			

PROGRAM ELECTIVE   II

S. N.	Cat.	Subject Code	Title	Teaching Hours Per Week			Credits	Examination		
				L	T	P/D		LA Marks	ESE Marks	Total Marks
1	PE	IT-701	Big Data Analytics	3	0	0	3	40	60	100
2	PE	CS-705	Embedded Systems	3	0	0	3	40	60	100
3	PE	CS-706	Web Technology	3	0	0	3	40	60	100

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SCHEME OF TEACHING AND EXAMINATION
B.TECH COMPUTER SCIENCE & ENGINEERING

SEMESTER VIII

S. N.	Cat.	Course Code	Subject	Teaching Hours Per Weak			Credits	Examination		
				L	T	P/D		I. A Marks	ESE Marks	Total Marks
1	PE		Programme Elective - III	3	0	0	3	40	60	100
2	PE		Programme Elective - IV	3	0	0	3	40	60	100
3	MC	CS-804	Project Work - II	0	0	16	8	50	50	100
			Total	6	0	16	8 + 6			
OR										
4	MC	CS-811	Industrial Project	0	0	16	8	50	50	100
			Total	0	0	16	8			

PROGRAM ELECTIVE III

S. N.	Cat.	Subject Code	Title	Teaching Hours Per Week			Credits	Examination		
				L	T	P/D		LA Marks	ESE Marks	Total Marks
1	PE	CS-801	Mobile Adhoc & Sensor Networks	3	0	0	3	40	60	100
2	PE	CS-802	Distributed Systems	3	0	0	3	40	60	100
3	PE	CS-803	Soft Computing	3	0	0	3	40	60	100

PROGRAM ELECTIVE IV

S. N.	Cat.	Subject Code	Title	Teaching Hours Per Week			Credits	Examination		
				L	T	P/D		LA Marks	ESE Marks	Total Marks
1	PE	IT-801	Mobile Application Development	3	0	0	3	40	60	100
2	PE	IT-802	Natural Language Processing	3	0	0	3	40	60	100
3	PE	IT-803	Cyber Security & Cyber Laws	3	0	0	3	40	60	100

Note: Industrial Project of Four months duration is to be carried out by the student exclusively in industry under the joint supervision of faculty advisers from institution as well as from the industry.

CAREER COUNSELLING & PLACEMENT

Govt. Post Graduate College Dharamshala, a known institutuion for providing placement opportunities to its students in leading Multinationals. To achieve this, school organizes seminars and workshops on current and burning topics as well as various personality development programs to make the students competent to face the challenges of the Corporate world. In addition to this we also arrange seminar on communication skill, placement opportunities etc. The topics for the seminar are chosen carefully to trigger debate and dialogue on contemporary trends in the industry. The seminars give the students a live experience to event management and interaction with leaders and executives. Full equipped Seminar Hall with all modern amenities is also available in the School along with computerized library & Internet facilities.

Our Career Conselling and Placement Cell is already on the job to place our students in leading multinationals.

Placement Cell

1.	Dr. Arvind Kumar	5.	Dr. Vikram Shree Vats
2.	Prof. Rajnish Dewan	6.	Dr. Ranjit Thakur
3.	Dr. Ajay Singh Katoch	7.	Dr. Akhil Gautam
4.	Dr. Raghubir Barsola	8.	Dr. Pawan Kumar

DRESS CODE .... *a step towards a professional look and personality development.*

With a view to achieve discipline and uniformity among students, uniform with gray pant and light blue striped shirt wih blue navy blue coat is insisted in the campus, with striped blue tie. Formal black leather shoes and black leather belt.

Dress code is compulsory and strictly to be followed by the B.Tech (CSE) students except Thursday.

FINE

		Rs.			Rs.
a)	Absence fine for a period	05.00	f)	Fine for delay in returning library book(s) (per day per book)	02.00
b)	Absence fine for a practical	05.00			
c)	Absence fine for House Exam	100.00	g)	Fine for not wearing Dress while in college	100.00
d)	Absence Fine for Tutorial Classes	10.00			
e)	Absence fine for Class Tests	10.00	h)	Mobile Phone fine in the Deptt./ Lab / Class Room	100.00
			i)	Without Identity Card	10.00

DOCUMENTS TO BE ATTACHED WITH APPLICATION FORM & TO BE CHECKED READY BEFORE SUBMISSION / READY REFERENCE

1. **Application Form.**

2. **One Card i.e Student Record Card**

3. **ATTESTED Copies of Certificates.**

   i)   Matriculation

   ii)   Plus Two (10+2)

   iii)   Graduation

   iv)   Proof of qualifying exam

   v)   Counselling letter from HPTU, Hamirpur issued at the time of counselling.

   vi)   Others (if any)

4. **Photocopy of certificate issued by appropriate authority**

   i)   Certificate of Caste / Tribe / Antyodaya / IRDP

   ii)   Certificate of Income (Only from those whose Parents / guardian's income is less than Rs. 5000/- p.m.)

   iii)   Certificate of Physically Handicapped candidate.

   iv)   Bonafide Himachali.

   v)   Character Certificate in Original.

   vi)   Affidavit of gap year (if any)

MASTER OF COMPUTER APPLICATIONS

MASTER OF COMPUTER APPLICATIONS (MCA)

Master of Computer Applications (MCA) is a two years post graduate programme. The curriculum of MCA is designed to meet the growing demand of qualified professionals in the field of ICT. It comprises of the core subjects like Database System, Computer Architecture and System, networking, and data structures, core programming languages like C, C++, Java, web programming, Android and Python. Students also get exposure to advanced topics like cyber security, mobile software, IOT, data science etc. Elective papers help students to have an exposure in IoT, image Processing Big Data and Information Security related subjects. The curriculum for MCA Program of study has been designed with total minimum credits of 80-120. The credit system enabling quantification of course work, with one credit being assigned to each unit after a student completes its teaching-learning process, followed by passing in Internal Assessment (IA) and End Semester Examination (ESE) Further, Choice Based Credit System (CBCS) to be helpful in customizing the course work for a student, through Core, Electives and Open Electives. All Courses registered by a student in a Semester is to earn credits. In a widely accepted definition, students to earn One Credit by registering and passing: One Hour/Week/Semester for Lecture (L) Courses or Tutorials (T); and Two Hour/Week/Semester for Laboratory/Practical (P).

The college started Master of Computer Applications (MCA) w.e.f. session 2012-15 under the School of Computer Science & Engineering. It is affiliated to H.P.T.U. Hamirpur and is approved by AICTE. The department has requisite number of lecture seminar halls and well equipped computer laboratories having more than 60 latest computers with internet facility. The department provides industrial visits and training, seminars, workshops on latest software technologies and study tours to the students. The college has a career guidance and placement cell which is working very efficiently for the placement of students in MNCs. The department has a well qualified and trained faculty as per AICTE norms. Our students have bagged seven university positions in 2019 MCA (1st Year), first five positions in MCA (2nd Year) and three positions in MCA (3rd Year) in the merit list of H.P.T.U. (1st year) This department is touching the heights of success with flying colors.

TOTAL SEATS : 60

ADMISSION CRITERION

The admission to this course is made on the basis of Entrance test HPCET conducted by H.P.T.U. Hamirpur. In case the seats remain vacant after exhausting the merit of HPCET, the remaining seats will be filled up on the basis of merit of recognized Bachelor Degree of minimum three years duration with Mathematics at 10+2 level or at Graduate level.

ELIGIBILITY:
As per the guideline of HPTU, Hamirpur and AICTE New Delhi.

AGE LIMIT:
Maximum age limit for admission to MCA course is 26 years for general category, 29 years for SC/ST category and 28 years for girl candidates, as on the 1st July of the year concerned. The Vice-Chancellor may permit age relaxation up to a maximum of six months.

FEE STRUCTURE

As per the Department of Technical Education, the fee structure for MCA *w.e.f.* Academic Session 2021-23 onwards will be as follows:

A. **Fee to be charged only one time at the time of admission :**

I.	Admission Fee	Rs.	500.00
II.	Identity Card Fee	Rs.	200.00
III.	Institutional Security (Refundable)	Rs.	2000.00
IV.	Library Security (Refundable)	Rs.	2000.00

B. **Fee to be charged Semester wise**

I.	Library Fee	Rs.	200.00
II.	Medical Fee	Rs.	300.00
III.	NCC Fund	Rs.	150.00
IV.	NSS Fund	Rs.	100.00
V.	Internet Fee	Rs.	1000.00
VI.	Campus Development Fund	Rs.	2500.00
VII.	Student Amalgamated Fund	Rs.	7750.00

(SWF, Festival & Cultural, Magazine Fee, Study Tour, and Industrial Training, Internal Examination Fee, Student development Fund)

C.	**Annual Insurance Charges**	**Rs. 150.00**
D.	**Tuition Fee**	**Rs. 25,000.00**
E.	**Annual PTA Fund**	**Rs. 500.00**

Consolidated Fee Structure (A+B+C+D+E) (Semester wise) for session 2022-23

i. 1st Semester = 4700.00 (one time) + 12000.00 (per semester)
+ 500.00 (PTA) + 12500.00 (Tuition Fees) + 150.00 (Annual Insurance Charge) **Total 29,850.00**

ii. 2nd Semester = 12000.00 (per semester) + 12500.00 (Tuition Fees) **Total 24,500.00**

iii. 3rd Semester = 12000.00 (per semester) + 12500.00 (Tuition Fees)
+ 500.00 (PTA) +150.00 (Annual Insurance Charge) **Total 25,150.00**

iv. 4th Semester = 12000.00 (per semester) + 12500.00 (Tuition Fees) **Total 24,500.00**

Note : (i) Tuition Fee shall be payable in two installments at the beginning of each semester.

(ii) Examination Fees for every semester will be paid by the student.

(iii) University Development Fees is to be deposited by the students per year.

Date of Admission at Govt. Post Graduate College Dharamshala

Students will have to report for admission for MCA in Govt. PG College Dharamshala on as per the schedule of HPTU Hamirpur in the Deptt. of MCA. They have to fill up admission form which will be available along with the college prospectus and shall submit the same in the department of MCA. Once the admission is confirmed, they have to deposit fees otherwise the seat will be offered to the next candidate in the merit. After the verification of the documents in original and once the admission is confirmed, the students will deposit requisite fee in the State Bank of India, College Branch which is available in the college campus. After depositing the fee in the bank, they have to show the counterfoil of the fee deposited to the admission committee which will enter the same on the admission form and shall further issue the admission number to the student.

Documents to be produced at the time of admission:

Following documents are to be produced at the time of admission

- Matric certificate (in original)
- 10+2 Certificate (in original)
- Graduation Certificate, *i.e.*, BA/ B.Sc./ BCA/ B.Sc.(IT) or equivalent (in original)
- Character Certificate (in original)
- Category Certificate (SC/ST/PH in original)
- Affidavit duly attested by SDM / Tehsildar / Executive Magistrate in respect of single girl child
- Latest 4 Passport size photograph
- Migration Certificate (in original)
- Character Certificate (in original)

DRESS CODE, FINE AND SCHEME OF EXAMINATION

DRESS CODE FOR MCA

In summer – White shirt, grey trouser, black leather shoe, navy blue neck tie

In winter – White shirt, grey trouser, black leather shoe, navy blue neck tie, grey blazer and black sweater

Any student found without dress shall be fined as per the college rules

FINE

			Rs				Rs
a)	Absence fine for a period		05.00	f)	Fine for delay in returning library book(s) (per day per book)		02.00
b)	Absence fine for a practical		05.00				
c)	Absence fine for House Exam		100.00	g)	Fine for not wearing Dress while in college		100.00
d)	Absence Fine for Tutorial Classes		10.00				
e)	Absence fine for Class Tests		10.00	h)	Mobile Phone fine in the Deptt./ Lab / Class Room		100.00
				i)	Without Identity Card		10.00

SCHEME OF EXAMINATION IN MCA

English shall be the medium of instruction and examination. The pass marks shall be 40% in each written paper and in the internal assessment separately, and 40% in viva-voce, project work and semester course and 50% in the aggregate subject to the conditions that aggregate shall be determined at the end of the examination. Other rules shall be as per the rules of the university.

HOUSE EXAM / MID TERM EXAM :

Mid term examination is held after the completion of more than 50% of the syllabus. Any student who does not appear in mid term exam will not be allowed to sit in final term exam and shall be liable to be fined as per college rules. Internal assessment of the students will also be determined on the basis of the marks otained in mid term exam and regular attendance in the class.

THEORY PAPERS:

Each paper will be of 100 marks (60 marks for theory exam and 40 marks for internal assessment) and duration of each paper will be 3 hours. In each theory paper, nine questions are to be set. Two questions are to set from each Unit and candidate is required to attempt at least one question from each unit. Question number nine will be compulsory, which will be of short answer type with 5-10 parts, out of the entire syllabus. In all, five questions are to be attempted.

SCHEME OF TEACHING AND EXAMINATION
MASTERS OF COMPUTER APPLICATIONS

SEMESTER- 1

Semester-I												
Course Code	Course Type	Course Title	Periods			Credits	Evaluation Scheme					Total
			L	T	P		ESE	Internal Assessment				
								CT	TA	Total		
MCA-101	Foundation Course	Discrete Mathematical Structures	3	1	0	3	60	24	16	40		100
MCA-102	Foundation Course	Universal Human Values	3	0	0	3	60	24	16	40		100
MCA-103	Core Theory	Computer Fundamentals and Programming in C++	3	1	0	3	60	24	16	40		100
MCA-104	Core Theory	Database Management Systems	3	1	0	4	60	24	16	40		100
MCA-105	Core Theory	Computer Organization and Architecture	3	1	0	4	60	24	16	40		100
MCA-106	Core Theory	Operating Systems	3	0	0	4	60	24	16	40		100
Labs:							ESVE	FW	LP	Total		Sub. Total
MCA-107	Practical Lab	Lab I : C++ Programming	0	0	3	1	50	25	25	50		100
MCA-108	Practical Lab	Lab II : DBMS	0	0	3	1	50	25	25	50		100
MCA-109	Practical Lab	Lab III: Operating Systems	0	0	2	1	50	25	25	50		100
Total			18	4	8	24	510	219	171	390		900

Legend:		
	L-Lecture	**T**-Tutorial
	P-Practical	**CT**-Class Test
	TA-Teacher's Assessment	**ESE**-End Semester Examination
	ESVE - End Semester Viva-Voce Exam.	**LP -** Lab performance
	FW - Documentation / File work and presentation	

SEMESTER– 2

Semester-II

Course Code	Course Type	Course Title	Periods L	Periods T	Periods P	Credits	ESE	CT	TA	Total	Total
								Internal Assessment			
MCA-201	Core Theory	Software Engineering	3	0	0	3	60	24	16	40	100
MCA-202	Core Theory	Data Structures Using C	3	1	0	3	60	24	16	40	100
MCA-203	Core Theory	Java Programming	3	1	0	4	60	24	16	40	100
MCA-204	Core Theory	Web Technology (CSS, Java Script and PHP)	3	1	0	3	60	24	16	40	100
MCA-205	Core Theory	Computer Networks	3	1	0	4	60	24	16	40	100
MCA-206	Elective	Elective –II	3	0	0	4	60	24	16	40	100
Labs:							ESVE	FW	LP	Total	Sub. Total
MCA-207	Practical Lab	Lab IV : Data Structures	0	0	3	1	50	25	25	50	100
MCA-208	Practical Lab	Lab V : Java Programming	0	0	3	1	50	25	25	50	100
MCA-209	Practical Lab	Lab VI: Web Technology	0	0	2	1	50	25	25	50	100
Total			**18**	**4**	**8**	**24**	**510**	**219**	**171**	**390**	**900**

Elective

Sr. No.	Course Type	Course Code	Course Title
1.	Elective	MCA- 206(A)	Arti?cial Intelligence
2.	Elective	MCA- 206(B)	Software Quality Assurance
3.	Elective	MCA- 206(C)	Computer Graphics
4.	Elective	MCA- 206(D)	Image Processing

Legend:	L-Lecture	T-Tutorial
	P-Practical	CT-Class Test
	TA-Teacher's Assessment	ESE-End Semester Examination
	ESVE - End Semester Viva-Voce Exam.	LP - Lab performance
	FW - Documentation / File work and presentation	

SEMESTER- 3

Semester-III											
Course Code	Course Type	Course Title	Periods			Credits	Evaluation Scheme				Total
			L	T	P		ESE	Internal Assessment			
								CT	TA	Total	
MCA-301	Foundation Course	Business Communication	3	0	0	3	60	24	16	40	100
MCA-302	Core Theory	Programming in Python	3	1	0	3	60	24	16	40	100
MCA-303	Core Theory	Android Programming	3	1	0	3	60	24	16	40	100
MCA-304	Core Theory	Cloud Computing and Big Data	3	1	0	4	60	24	16	40	100
MCA-305	Core Theory	Theory of Computation	3	1	0	4	60	24	16	40	100
MCA-306	Elective	Elective –III	3	0	0	4	60	24	16	40	100
Labs:							ESVE	FW	LP	Total	Sub. Total
MCA-307	Practical Lab	Lab VII: Python Lab	0	0	3	1	50	25	25	50	100
MCA-308	Practical Lab	Lab VIII : Android Lab	0	0	3	1	50	25	25	50	100
MCA-309	Practical Lab	Lab IX: Minor Project	0	0	2	1	50	25	25	50	100
Total			18	4	8	24	510	219	171	390	900

Elective

Sr. No.	Course Type	Course Code	Course Title
1.	Elective	MCA- 306(A)	Data Warehouse and Mining
2.	Elective	MCA- 306(B)	Soft Computing
3.	Elective	MCA- 306(C)	Distributed System
4.	Elective	MCA- 306(D)	Data Analytics

Legend:	L-Lecture	T-Tutorial
	P-Practical	CT-Class Test
	TA-Teacher's Assessment	ESE-End Semester Examination
	ESVE - End Semester Viva-Voce Exam.	LP - Lab performance
	FW - Documentation / File work and presentation	

Semester-IV										
Course Code	Course Type	Course Title	Periods			Credits	Evaluation Scheme			Total
			L	T	P		ESE	Internal Assessment		
								CT	TA	Total	
MCA-401	Foundation Course	Operational Research	3	0	0	3	60	24	16	40	100
MCA-402	Foundation Course	Fundamentals of Management	3	0	0	3	60	24	16	40	100
MCA-403	Core Theory	Analysis and Design of Algorithms	3	1	0	4	60	24	16	40	100
MCA-404	Elective	Elective –IV	3	1	0	4	60	24	16	40	100
Industrial Training and Project							ESVE	FW	PWP	Total	Sub. Total
MCA-405	Major Project	Industrial Training and Project Work	0	0	0	8	100	100	100	200	300
Total			12	2	0	22	340	196	164	360	700

Elective

Sr. No.	Course Type	Course Code	Course Title
1.	Elective	MCA- 404(A)	Internet of Things (IoT)
2.	Elective	MCA- 404(B)	Parallel Computing
3.	Elective	MCA- 404(C)	Compiler Design
4.	Elective	MCA- 404(D)	Cyber Security

Legend:	**L**-Lecture	**T**-Tutorial
	P-Practical	**CT**-Class Test
	TA-Teacher's Assessment	**ESE**-End Semester Examination
	ESVE - End Semester Viva-Voce Exam.	**LP** - Lab performance
	FW - Documentation / File work	**PWP:** Project Work Presentation

Marks distribution for Industrial Training and Project

Internal Examiner 50 Marks will be awarded by internal examiner on the bases of Synopsis (2), Presentation (2), Concept & Design of the Project, Contribution in the Project and Project Report.

External 50 Marks will be awarded by external examiner on the bases of Project Report and Vive-Voice. The Project Report (20 Marks), End Semester External Vive-Voice (30 Marks).

Note: In 2nd year (Fourth semester) the student has to develop one project, which will be evaluated by the internal examiner and external examiner. Internal examiner will be appointed by respective college principal or director. External examiner will be appointed by Himachal Pradesh Technical University, Hamirpur.

RULES RELATED TO LEAVE

a.   General Leave Rules

i) Student can proceed on leave with prior permission. For this, they should fill in the leave forms to be supplied to the students

ii) A tutor can recommend leave upto 3 days; for longer duration i.e. up to 5 days, a student must get the application signed by the Senior Tutor. In case Sr. Tutor is on leave the application may be got signed by the Tutor-in-Chief.

iii) Leave during House Examination / Class Test will be sanctioned only by the Principal on the recommendation of the Senior Tutor.

iv) Leave for sickness must be accompanied by a medical certificate.

b.   Duty Leave Rules

Participation by the students in Sports / Cultural / NSS/ NCC / Co-Curricular activities, Inter College/ University Competitions shall be considered as duty leave for the period respective competition Duty Leave, however, shall only be allowed if recommended by the concerned activity Incharge.

HOUSE EXAMINATION AND LECTURE ATTENDANCE

All the students have to appear in the House Examination which will be conducted in each semester before university examinations. House Examination is a very useful exercise as the students come to learn about their shortcomings. Moreover, House Examination is a rehearsal for the University Examinations. Every student has to appear in the House Examination and secure at least 20% marks in each subject or 25% marks in aggregate failing which he/she will be debarred from appearing in University Examination. Moreover a student who fails to show satisfactory result in House Examination shall forfeit his / her claims to fee concession or other financial assistance. The students are required to be punctual and regular in their classes. According to the University rules every student must attend 75% lectures both in theory & practical separately. The Principal can condone the actual participated days in every course including practical in respect of students who have to miss classes on account of their participation in NCC / NSS / Sports / Cultural / Academic / Co-Curricular activities.

Rules for Computer Lab:-

1.   Lab computers are for academic and research use. Personal e-mailing, chatting and games are not permitted.
2.   Setting on the computers should not be changed.
3.   No personal CDs, Pen-Drive and Memory Cards are allowed in computer lab.
4.   Internet facility can be availed with the prior permission of teacher.
5.   Accessing prohibited sites may invite penalty or suspension from the Lab/College.

CAREER COUNSELLING & PLACEMENT

Govt. Post Graduate College Dharamshala, a known institutuion for providing placement opportunities to its students in leading Multinationals. To achieve this, school organizes seminars and workshops on current and burning topics as well as various personality development programs to make the students competent to face the challenges of the Corporate world. In addition to this we also arrange seminar on communication skill, placement opportunities etc. The topics for the seminar are chosen carefully to trigger debate and dialogue on contemporary trends in the industry. The seminars give the students a live experience to event management and interaction with leaders and executives. Full equipped Seminar Hall with all modern amenities is also available in the School along with computerized library & Internet facilities.

Our Career Conselling and Placement Cell is already on the job to place our students in leading multinationals.

Placement Cell

1.   Dr. Arvind Kumar
2.   Prof. Rajnish Dewan
3.   Dr. Ajay Singh Katoch
4.   Dr. Raghubir Barsola
5.   Dr. Vikram Shree Vats
6.   Dr. Ranjit Thakur
7.   Dr. Akhil Gautam
8.   Dr. Pawan Kumar

DOCUMENTS TO BE ATTACHED WITH APPLICATION FORM & TO BE CHECKED READY BEFORE SUBMISSION / READY REFERENCE

1. **Application Form.**

2. **One Card i.e Student Record Card**

3. **ATTESTED Copies of Certificates.**

   i) Matriculation

   ii) Plus Two (10+2)

   iii) Graduation

   iv) Proof of qualifying exam

   v) Counselling letter from HPTU, Hamirpur issued at the time of counselling.

   vi) Others (if any)

4. **Photocopy of certificate issued by appropriate authority**

   i) Certificate of Caste / Tribe / Antyodaya / IRDP

   ii) Certificate of Income (Only from those whose Parents / guardian's income is less than Rs. 5000/- p.m.)

   iii) Certificate of Physically Handicapped candidate.

   iv) Bonafide Himachali.

   v) Character Certificate in Original.

   vi) Affidavit of gap year (if any)

SCHOOL OF COMPUTER SCIENCE & ENGINEERING FACULTY

Dr. Pawan Thakur
Designation : Assistant Professor & HOD
Qualification : MCA, M.Phil., Ph.D. (CSE),
M. Tech. (CSE)
Experience : 17 Years of Academic experience
E-mail : pawansarkaghat@gmail.com
Mobile : +91 98273-36325

Dr. Satish Sood
Designation : Assistant Professor
Qualification : MCA, M.Phil., EMBA, MCTS,
Ph.D. (CS), Microsoft Certified Professional
Experience : 18 Years of Academic experience
E-mail : drsatishsood1@gmail.com
Mobile : +91 98164-46709

Ms. Susheela Pathania
Designation : Assistant Professor
Qualification : MCA, UGC NET, NET JRF, SET,
Ph.D. (Pursuing)
Experience : 08 Years of Academic experience
E-mail : nishu.susheelapathania@gmail.com
Mobile : +91 82197-11902

Dr. Sachin Awasthi
Designation : Assistant Professor
Qualification : MCA, Ph.D. (Thesis submitted)
Experience : 12 Years of Academic experience
E-mail : sachinawasthi025@gmail.com
Mobile : +91 83528-00198

SCHOOL OF COMPUTER SCIENCE & ENGINEERING

VISTING FACULTY

1. Dr. Mukesh Pandey, Professor & Dean, Industrial & Technology Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal
2. Dr. Dharmendra Singh Rajput, Professor & Head Department of CSE, Vellore Institute of Technology
3. Dr. Vinod Sharma, Professor & Head, University of Jammu
4. Dr. Sanjoy Das, Professor & Head, Department of Computer Science, Indira Gandhi National Tribal University Imphal
5. Dr. Kamlesh Dutta, Head of the Department, Department of CSE, National Institute of Technology, Hamirpur
6. Dr. Kumar S. Pandey, Professor, Department of CSE, National Institute of Technology, Hamirpur
7. Dr. Puneet Sood, Dy. Director (Technical Education) Government of Himachal Pradesh
8. Dr. Sandeep Kumar Sood, Associate Professor, NIT Kurukshetra
9. Dr. Dhirendra Sharma, Prof. UIIT Shimla
10. Prof. Manoj Dhiman, Assistant Professor, CUHP
11. Prof. Vivek Kumar, Assistant Professor, Department of Mathematics, Govt. College, Dharamshala
12. Prof. Ramam Sharma, Assistant Professor, Rajiv Gandhi Govt. Engineering College, Kangra
13. Er. Ravi Verma, Senior Developer, APTRON PVT. LTD. Hyderabad.
14. Er. Rohit Soni, Business Developer Manager, CS Soft Solutions, Mohali, Punjab
15. Er. Varun Rattan Singh, CEO Development Logics, Dharamshala HP
16. Er. Sanjay Bhargva, CEO Ignite Solutions, Dharamshala HP
17. Er. Prabhu, CEO, Gai Technologies, Dharamshala HP
18. Dr. Shweta Gupta, Ph.D. in Mathematics
19. Dr. Aditya Sharma, M.B.A., Ph.D. (Management)
20. Dr. Reena Bala, M.Sc., Ph.D. (Environment Science)
21. Dr. Poonam Rana M.Sc. (Chemistry), Ph.D. (Chemistry)
22. Dr. Jyoti Bharswaj, M.Sc., Ph.D. (Physics)
23. Er. Simran Rana, B.Tech., M.Tech. (Electronics)
24. Ms. Suman Bhardwaj, MCA
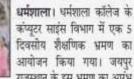
SCHOOL OF COMPUTER SCIENCE & ENGINEERING - ACTIVITIES

केरल के विद्यार्थियों ने जानी हिमाचल की संस्कृति

प्राध्यापकों के साथ 31 विद्यार्थियों का प्रतिनिधिमंडल पहुंचा धर्मशाला

वत्सल को मिस एवं जयेश को मिस्टर फ्रेशर चुना

धर्मशाला। धर्मशाला महाविद्यालय में स्कूल ऑफ कंप्यूटर साइंस एवं इंजीनियरिंग डिपार्टमेंट के बीटेक द्वितीय वर्ष के छात्रों के द्वारा प्रथम वर्ष के छात्रों के लिए फ्रेशर कार्यक्रम का आयोजन किया गया, जिसका विषय बपतिस्मा रहा। कार्यक्रम में दोनों सीनियर एवं जूनियर छात्रों ने अपनी विभिन्न कलाओं का प्रदर्शन किया। इस दौरान विभिन्न मापदंडों को मद्देनजर रखते हुए वत्सल को मिस फ्रेशर एवं जयेश को मिस्टर फ्रेशर चुना गया। अंत में स्कूल ऑफ कंप्यूटर साइंस एंड इंजीनियरिंग के को-ऑर्डिनेटर डॉ. विक्रम की वत्स ने छात्रों को संबोधित किया एवं विजेताओं को पुरस्कृत किया। इस संपूर्ण कार्यक्रम के दौरान एचओडी डॉ. पवन ठाकुर एवं अन्य अध्यापकगण भी मौजूद रहे।

नम्रता को टी.सी.एस. में मिला 3.53 लाख का पैकेज

धर्मशाला : नम्रता के साथ महाविद्यालय का स्टाफ।

धर्मशाला, 10 दिसम्बर (ब्यूरो): धर्मशाला महाविद्यालय की एम.सी.ए. पांचवें सेमेस्टर की छात्रा नम्रता कौशल को टी.सी.एस. में असिस्टेंट सॉफ्टवेयर इंजीनियर के पद पर 3.53 लाख का पैकेज मिला है। प्रधानाचार्य डा. राजेश कुमार शर्मा ने छात्रा को नियुक्ति पत्र देते हुए बधाई दी। नम्रता ने अपनी सफलता का श्रेय माता-पिता व प्राध्यापकों को दिया है।

हिमावल की संस्कृति जान वापस लौटे केरल के विद्यार्थी

पूर्व सैनिकों ने ज्वालामुखी-खुडिया सड़क की खस्ता हालत पर सी.एम. को लिखा पत्र

ओरिएंटेशन कम इंडक्शन कार्यक्रम का आयोजन

धर्मशाला, 28 नवम्बर (नवीन): धर्मशाला महाविद्यालय में स्कूल ऑफ कंप्यूटर साइंस एवं इंजीनियरिंग विभाग द्वारा बी.टैक. एवं एम.सी.ए. प्रथम वर्ष के छात्रों के लिए 5 दिवसीय ओरिएंटेशन कम इंडक्शन कार्यक्रम का आयोजन किया गया। इसमें वक्ताओं ने विद्यार्थियों का मार्गदर्शन किया। पहले सत्र में स्कूल ऑफ कम्प्यूटर साइंस एंड इंजीनियरिंग के को-ऑर्डीनेटर डा. विक्रम वत्स और कालेज के प्राचार्य डा. राजेश कुमार शर्मा ने विद्यार्थियों को संबोधित किया। डीन इंजीनियरिंग एच.पी.टी.यू. हमीरपुर डा. धीरेंद्र शर्मा ने शैक्षिक एवं सामाजिक विकास के बारे में जानकारी दी।

5 दिवसीय शैक्षणिक भ्रमण का आयोजन

धर्मशाला। धर्मशाला कॉलेज के कंप्यूटर साइंस विभाग में एक 5 दिवसीय शैक्षणिक भ्रमण का आयोजन किया गया। जयपुर राजस्थान के इस भ्रमण का आरंभ महा विश्वविद्यालय के प्राचार्य डॉ राजेश कुमार विभागाध्यक्ष डॉ विक्रम एस वत्स 66 विद्यार्थियों को कॉलेज गेट से रवाना किया। इस में बीटेक फोर्थ सेमेस्टर के विद्यार्थियों ने भाग लिया। इंडस्ट्रियल विजिट के इस दिन उन्होंने जेके टायर ग्रुप ऑफ इंडस्ट्रीज में विजिट किया। जेके लक्ष्मीपत यूनिवर्सिटी के रिसर्च सेंटर में विभिन्न एजुकेशनल सेमिनार का आयोजन किया गया। आईएफआईटी के पूर्व डायरेक्टर प्रोफेसर संजय गोयल डॉ धनंजय देवगन एवं कपिल मधु कई ने स्टूडेंट्स को टेक्नोलॉजी वर्ड में सरवाइव करने एवं सफल करियर के टिप्स दिए। इंडस्ट्रियल विजिट के तीसरे दिन भामाशाह टेक्नो हब के इनोवेशन एवं डाटा सेंटर में विजिट किया। इस विवेक के दौरान टेक्नो हब के स्टार्टअप मेंटर इंजीनियर अभिषेक तो दिया एवं राजेश ने बच्चों को स्टार्ट अप इंडिया आई स्टार्टअप इंडिया इनोवेशन इकोशन के बारे में एड्रेस किया। जिसमें बच्चों ने सीखा कि कैसे स्टार्ट अप आइडिया को कैसे इंप्लीमेंट किया जाता है। डाटा सेंटर जहां राजस्थान गवर्नमेंट के डाटा को स्टोर किया जाता है। हेड ऑफिस राजस्थान विजिट किया जिसमें विद्यार्थियों ने ही प्रिंटिंग टेक्नोलॉजी को देखा। इसके अलावा जंतर मंतर आमेर फोर्ट जल महल नेशनल म्यूजियम व अन्य हिस्टोरिकल प्लेसिस को विजिट किया। विजिट में विद्यार्थियों के साथ विभाग के डॉक्टर पवन ठाकुर प्रोफेसर सुनीता धीमान व 66 विद्यार्थियों के साथ उपस्थित रहे। इस भ्रमण के दौरान महा विश्वविद्यालय के प्राचार्य डॉ राजेश शर्मा विभाग के कोऑर्डिनेटर डॉक्टर विक्रम एस वत्स डॉक्टर सतीश सूद डॉक्टर सचिन अवस्थी डॉक्टर सुशीला पठानिया और विभाग के अन्य अध्यापकों ने विभिन्न गतिविधियों में गूगल मीट के माध्यम से हिस्सा लिया।

MASTER OF
BUSINESS ADMINISTRATION
(MBA)

RAGGING IS A CONGIZABLE OFFENCE

... Any act of Ragging would not go unnoticed and unpunished...

"The Apex Court has defned 'ragging' as an disordely conduct whether by words spoken or written or by an act having an effect teasing, treating or handling with rudeness any other student, including in rowdy or indisciplined activities which cause or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof, in a fresher or junior student; or asking the student to do any act of perform something which such student will not do in the ordinary course; or 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 a junior student.

Toll Free Helpline Number - 1800 - 180 - 5522

ATTENTION FOR CANDIDATES

Ragging is banned in the institutions and anyone indulging in ragging is likely to be punished appropriately which punishment include imprisonment, fine or both, expulsion from the institution, suspension from the Institution or classes for a limited period or fine with a public apology. The punishment may also take the shape of (i) withholding scholarship (ii) debarring from representation in events (iii) withholding of results (iv) suspension or expulsion from hostel or mess.

In case a student is harassed by seniors/any other students at the Institution, Hostels/any premises of the University he/ she may contact directly or telephonically to the following authorities immediately.

ANTI RAGGING COMMITTEE

1.	Dr. Rajesh Sharma (Principal Cum Director)	01892-222559
2.	Dr. Ajay Singh Katoch (Co-ordinator)	94184-82635
3.	Dr. Akhil Gautam	98052-48775
4.	Ms. Ankita Sood	98820-88742

RAGGING IS A PUNISHABLE OFFENCE. RAGGING OF ALL KIND IS STRICTLY BANNED IN THE COLLEGE CAMPUS. ANYBODY CAUGHT INDULGING IN THIS EVIL EXERCISE SHALL FACE PENALTY UNDER THE LAW. ACT REMOTELY SUGGESTIVE OF RAGGING SHOULD BE REPORTED TO THE COLLEGE AUTHORITIES / TO THE MEMBERS OF ANTI RAGGING COMMITTEE

MASTER OF BUSINESS ADMINISTRATION (MBA)

Seats, Eligibility Conditions, Basis of Admission

MBA (Master of Business Administration) Programme is introduced by the Himachal Pradesh Technical University, Hamirpur in the School of Business Management, Govt. Post Graduate College Dharamshala. The basic objective of this course is to impart training and developing management skill to meet the increasing demand of middle and top level managements positions in growing business world. After achieving a grand success in BBA course, SBM introduced MBA Course (with specializations) from the session 2011-12. Xth Batch has already been passed with good Placement and Top Position in HPTU Merit list with 100% result.

THE NUMBER OF SEATS

Total Seats   60

MINIMUM ELIGIBILITY FOR ADMISSION

As per Himachal Pradesh Technical University, Hamirpur norms.

The admission to this course is based on counseling conducted by Himachal Pradesh Technical University, Hamirpur on the basis of National level test/ Qualifying exam 2022.

FEE AND FINE

As per Govt. notification the fee and funds structure is as follows :

A.   Fee to be charged only one time at the time of admission

i.	Admission Fee	Rs.	500.00
ii.	Identity Card Fee	Rs.	200.00
iii.	Institutional Security (Refundable)	Rs.	2000.00
iv.	Library Security (Refundable)	Rs.	2000.00

B.   Fee to be charged Semester wise

i.	Library Fee	Rs.	200.00
ii.	Medical Fee	Rs.	300.00
iii.	NSS Fund	Rs.	100.00
iv.	NCC Fund	Rs.	150.00
v.	Internet Fee	Rs.	1000.00
vi.	Campus Development Fund	Rs.	2500.00

vii.	Student Amalgamated Fund	Rs. 7750.00
	(SWF, Festival & Cultural, Magazine Fee, Study Tour and Industrial Training, Internal Examination Fee, Student benevolent Fund)	
C.	**Annual Insurance Charges**	Rs. 150.00
D.	**Annual PTA Fund**	Rs. 500.00
E.	**Tuition Fee / PTA Fund**	Rs. 30000.00

(Payable in 2 instalments at the beginning of each semester).

FINE		Rs.
a)	University Registration Fee + University Development Fee	5000.00
b)	Absence fine per day	5.00
c)	Absence fine per period	1.00
d)	Absence fine for seminar	25.00
e)	Absence fine for House Exam	25.00
f)	Absence fine for a practical	10.00
g)	Absence fine for Tutorial Classes	10.00
h)	Absence fine for Class Test	10.00
i)	Fine for delay in returning library book(s) (per day per book)	1.00
j)	Fine for not wearing Dress while in college	25.00

NOTE : Fees once deposited shall not be refunded.

Examination fees for every semester will be paid by students.

University Development Fee (Rs. 3,000) is to be paid by student every year.

DETAILED COURSE OUTLINE

The detailed course outline for MBA programme is given below which is subject to any change by the Board of studies approved by Academic Council & Executive Council of H.P. Technical University.

*	Each student will have to undergo the Summer Training for 6 weeks during Second Semester.
*	Each student will have to choose research project based on his major specialization in consultation with his allotted project guide.
*	Industrial visit is compulsory for all the students during the programme.

FIRST YEAR

SEMESTER-I

Subject Code	Subject

Professional Core Courses

MBA-101	Accounting for Managerial Decisions
MBA-102	Marketing Management
MBA-103	Management Practices and OrganizationalBehaviour
MBA-104	Business Environment
MBA-105	Human Resource Management

Foundation Courses

MBA-106	Computer Applications in Business
MBA-107	Human Values and Professional & Ethics

SEMESTER-II

Professional Core Courses

MBA-201	Business Statistics & Computing skills
MBA-202	Financial Management
MBA-203	Business Research Methods
MBA-204	Managerial Economics
MBA-205	Production & Operations Management

Foundation Courses

MBA-206	Fundamental of Entrepreneurship
MBA-207	Communication & Marketing Skills

SECOND YEAR

SEMESTER-III

Subject Code	Subject

Professional Core Courses

MBA-301	Strategic Management
MBA-302	Business Law Management
MBA-303	* On the Job Training / Summer Training
	Specialization (Major I)
	Specialization (Major II)

Elective Core Courses

	Specialization (Minor)

Foundation Courses

MBA-304	Management Information System

** Open Elective (Additional)

	Open Elective

SEMESTER-IV

Professional Core Courses

MBA-401	Operations Research
MBA-402	* Project Training
MBA-403	Logistic & Supply Chain Management
	Specialization (Major I)
	Specialization (Major II)

Elective Core Courses

	Specialization (Minor)

** Open Elective(Additional)

	Open Elective
	Field Report (FR)

Note : Department of MBA reserves the right to offer or not to offer a particular specialization in any academic session. However the specialization will be offered only when ten or more students opt for the same specialization.

SPECIALIZATIONS

Professional Core Courses: Major Specialization (I & II)   Semester-III

Sr. No	Subject Code	Major	Specialization	Subject Title
1.	MBA-311	Major I	Finance	Indian Financial System
2.	MBA-312	Major II		Security Analysis and Portfolio Management **3.**
	MBA-321	Major I	Marketing	Advertising and Sales Management
4.	MBA-322	Major II		Consumer Behavior
5.	MBA-331	Major I	Human Resource Management (HRM)	Management of Industrial Relations
6.	MBA-332	Major II		Labor Legislation
7.	MBA-341	Major I	Information Technology	Relational Database Management System
8.	MBA-342	Major II		E-commerce and IT enabled Services
9.	MBA-351	Major I	International Business	International Marketing
10.	MBA-352	Major II		International Business Environment and Foreign Exchange Economics

Elective Core Courses: Minor Semester-III

Sr. No.	Subject Code	Minor	Specialization	Subject Title
1.	MBA-313	Minor	Finance	Management of Banking Operations
2.	MBA-323	Minor	Marketing	Rural Marketing
3.	MBA-333	Minor	Human Resource Management (HRM)	Industrial/Organizational Psychology
4.	MBA-343	Minor	Information Technology	System Analysis & Design & Software Engineering
5.	MBA-353	Minor	International Business	Export Management And Documentation

Open Elective (Additional): Semester-III

Sr. No.	Subject Code	Additional	Subject Title
1.	MBA-361	Insurance	Insurance & Risk Management
2.	MBA-362	Tourism	Tourism Management
3.	MBA-363	Security Market	Regulation of Security Market

Professional Core Courses: Major Specialization (I & II)   Semester-IV

Sr. No.	Subject Code	Major	Specialization	Subject Title
1.	MBA-314	Major I	Finance	Strategic Financial Management
2.	MBA-315	Major II		International Finance & Tax Planning
3.	MBA-324	Major I	Marketing	Marketing of Services
4.	MBA-325	Major II		Web Based Marketing
5.	MBA-334	Major I	Human Resource Management (HRM)	Cross Cultural Management
6.	MBA-335	Major II		Team Building & Leadership
7.	MBA-344	Major I	Information Technology	Data Communication & netorks.
8.	MBA-345	Major II		Enterprise Resource Planning (ERP)
9.	MBA-354	Major I	International Business	International Logistic Management
10.	MBA-355	Major II		International Financial Management

Elective Core Courses: Minor Semester-IV

Sr. No.	Subject Code	Minor	Specialization	Subject Title
1.	MBA-316	Minor	Finance	Management of Financial Services
2.	MBA-326	Minor	Marketing	Retail Management
3.	MBA-336	Minor	Human Resource Management (HRM)	Personal Growth and Training & Development
4.	MBA-346	Minor	Information Technology	Internet & Web Designing
5.	MBA-356	Minor	International Business	International business ethics and social responsibility

Open Elective (Additional): Semester-IV

Sr. No.	Subject Code	Additional	Subject Title
1.	MBA-364	Insurance	Marketing & Public Relations in Insurance
2.	MBA-365	Tourism	Travel Agency & Tour Operations Business
3.	MBA-366	Security Market	Corporate Governance & Investor Protection
4.	MBA-367 Common for all		Field Report

RULES RELATED TO LEAVE

a.   General Leave Rules

   i) Student can proceed on leave with prior permission. For this, they should fill in the leave forms to be supplied to the students

   ii) A tutor can recommend leave upto 3 days; for longer duration i.e. up to 5 days, a student must get the application signed by the Senior Tutor. In case Sr. Tutor is on leave the application may be got signed by the Tutor-in-Chief.

   iii) Leave during House Examination / Class Test will be sanctioned only by the Principal on the recommendation of the Senior Tutor.

   iv) Leave for sickness must be accompanied by a medical certificate.

b.   Duty Leave Rules

Participation by the students in Sports / Cultural / NSS/ NCC / Co-Curricular activities, Inter College/ University Competitions shall be considered as duty leave for the period respective competition Duty Leave, however, shall only be allowed if recommended by the concerned activity Incharge.

HOUSE EXAMINATION AND LECTURE ATTENDANCE

All the students have to appear in the House Examination which will be conducted in each semester before university examinations. House Examination is a very useful exercise as the students come to learn about their shortcomings. Moreover, House Examination is a rehearsal for the University Examinations. Every student has to appear in the House Examination and secure at least 20% marks in each subject or 25% marks in aggregate failing which he/she will be debarred from appearing in University Examination. Moreover a student who fails to show satisfactory result in House Examination shall forfeit his / her claims to fee concession or other financial assistance. The students are required to be punctual and regular in their classes. According to the University rules every student must attend 75% lectures both in theory & practical separately. The Principal can condone the actual participated days in every course including practical in respect of students who have to miss classes on account of their participation in NCC / NSS / Sports / Cultural / Academic / Co-Curricular activities.

Rules for Computer Lab:-

1.   Lab computers are for academic and research use. Personal e-mailing, chatting and games are not permitted.

2.   Setting on the computers should not be changed.

3.   No personal CDs, Pen-Drive and Memory Cards are allowed in computer lab.

4.   Internet facility can be availed with the prior permission of teacher.

5.   Accessing prohibited sites may invite penalty or suspension from the Lab/College.

CAREER COUNSELLING & PLACEMENT

Govt. Post Graduate College Dharamshala, a known institutuion for providing placement opportunities to its students in leading Multinationals. To achieve this, school organizes seminars and workshops on current and burning topics as well as various personality development programs to make the students competent to face the challenges of the Corporate world. In addition to this we also arrange seminar on communication skill, placement opportunities etc. The topics for the seminar are chosen carefully to trigger debate and dialogue on contemporary trends in the industry. The seminars give the students a live experience to event management and interaction with leaders and executives. Full equipped Seminar Hall with all modern amenities is also available in the School along with computerized library & Internet facilities.

Our Career Conselling and Placement Cell is already on the job to place our students in leading multinationals.

Placement Cell

1.	Dr. Arvind Kumar	5.	Dr. Vikram Shree Vats
2.	Prof. Rajnish Dewan	6.	Dr. Ranjit Thakur
3.	Dr. Ajay Singh Katoch	7.	Dr. Akhil Gautam
4.	Dr. Raghubir Barsola	8.	Dr. Pawan Kumar

DRESS CODE .... *a step towards a professional look and personality develo PMENT.*

A formal dress implies cultivation of special attitude and also adds to personality development.

Dress Code for MBA Students will be -

1) Black suit with off white shirt and Maroon tie.
2) Formal black leather shoes and black leather belt.

Dress code is compulsory and strictly to be followed by the MBA students except Thursday.

DOCUMENTS TO BE ATTACHED WITH APPLICATION FORM & TO BE CHECKED READY BEFORE SUBMISSION / READY REFERENCE

1. **Application Form.**

2. **One Card i.e Student Record Card**

3. **ATTESTED Copies of Certificates.**

    i) Matriculation

    ii) Plus Two (10+2)

    iii) Graduation

    iv) Proof of qualifying exam

    v) Counselling letter from HPTU, Hamirpur issued at the time of counselling.

    vi) Others (if any)

4. **Photocopy of certificate issued by appropriate authority**

    i) Certificate of Caste / Tribe / Antyodaya / IRDP

    ii) Certificate of Income (Only from those whose Parents / guardian's income is less than Rs. 5000/- p.m.)

    iii) Certificate of Physically Handicapped candidate.

    iv) Bonafide Himachali.

    v) Character Certificate in Original.

    vi) Affidavit of gap year (if any)

SCHOOL OF BUSINESS MANAGEMENT FACULTY

Dr. Akhil Gautam
Designation : Assistant Professor
Qualification : MBA, M.A., Ph.D. (Management)
Specialization : Marketing
Experience : 14 Years of experience
E-mail : akhil_gautam5@yahoo.com
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Ms. Ankita Sood
Designation : Assistant Professor
Qualification : B.Tech., MBA, UGC NET, Ph.D. (Pursuing)
Specialization : Human Resource
Experience : 10 Years of experience
E-mail : ankitasood123@gmail.com
Mobile : +91 98820-88742

Dr. Meghna Sood
Designation : Assistant Professor
Qualification : MBA, ADCA, Ph.D.
Specialization : Marketing & Systems
Experience : 21 Years of experience
E-mail : drmeghnasood@gmail.com
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Ms. Priyanka Sharma
Designation : Assistant Professor
Qualification : MBA, UGC NET, Ph.D. (Pursuing)
Specialization : Finance
Experience : 06 Years of experience
E-mail : priyanka.ashit@gmail.com
Mobile : +91 82199-97850

SCHOOL OF BUSINESS MANAGEMENT - ACTIVITIES

MBA TOPPERS

Kajal (Ist Sem.)
Payal (Ist Sem.)
Priya (Ist Sem.)
Chandan (Ist Sem.)
Deepali (IIIrd Sem.)
Ruchika (IIIrd Sem.)
Neha (IIIrd Sem.)

MCA TOPPERS

Sonal (Ist Sem.)
Nikita (Ist Sem.)
Aakriti (Ist Sem.)
Anukampa (IIIrd Sem.)
Sourabh (IIIrd Sem.)
Palak (IIIrd Sem.)
Namrata (Vth Sem.)
Yyati (Vth Sem.)
Kajal (Vth Sem.)

B.Tech. (CSE) TOPPERS

Shivani (Ist Sem.)
Dixit (Ist Sem.)
Vatsal (Ist Sem.)
Tanya (IIIrd Sem.)
Akshita (IIIrd Sem.)
Versha (IIIrd Sem.)
Kamini (Vth Sem.)
Shalini (Vth Sem.)
Aditi (Vth Sem.)

SCHOOL OF COMPUTER SCIENCE & ENGINEERING and BUSINESS MANAGEMENT

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