



HSNC University KC College Certificate Courses 2020-21





Certificate Course Scope



- **Duration:** As per UGC guidelines the course should be a minimum of 30 hours.
- **Mode of Teaching:** Online and Classroom.
- **Credits:** To be announced





Certificate Course Objectives



- To enable students to equip themselves for better academic and professional prospects.
- To provide a bridge course for several academic programs.
- The certificate courses are drawn from different faculties of Arts, Science, Commerce & Technology.





Certificate Course Outcomes

- Acquire additional skills.
- Better equipped for internships & placements.





Assessment System



- The assessment process of each course will be different.
- Students on successful completion of the course, will be provided with a certificate by K.C. College.
- Joint certificates will be provided wherever external collaborator is associated with the course.





Certificate Courses Offered By KC College

- 1. Certificate in Applied Finance, Treasury and Analytics (CAFTA)**
- 2. Digital Media Marketing**
- 3. Data Analytics**
- 4. Python for Non-Tech Background**
- 5. Financial Markets (Ride of Investments)**
- 6. High Performance Thin Layer Chromatography (HPTLC)**
- 7. Molecular Biology and Immunological Techniques**
- 8. Analytical Instrumentation**
- 9. Machine Learning**
- 10. Certificate Program for Commerce and Arts**

***All the above courses will be available with a minimum enrolment of 10-15 students**





Certificate Courses Offered By KC College (contd.)

- 11. Certificate Course in Gender Studies**
- 12. Introduction to Unity and Graphics (Offline)**
- 13. Geriatric Management**
- 14. Biodiversity, Conservation and Management**
- 15. Animation**
- 16. Commercial Photography I and II**
- 17. Communication Design I and II**
- 18. Contemporary Dance**
- 19. Sound Editing**
- 20. Styling**

***All the above courses will be available with a minimum enrolment of 10-15 students**





Certificate Courses Offered By KC College (contd.)

- 21. Video Production**
- 22. Voice and Anchoring I and II**
- 23. Dance Therapy**
- 24. Merchandising**
- 25. Sound FX**
- 26. Video FX**
- 27. Academic Writing**
- 28. Broadcast Audience Research Council (BARC)**
- 29. Film Appreciation**
- 30. Google Analytics**

***All the above courses will be available with a minimum enrolment of 10-15 students**





Certificate Courses Offered By KC College (contd.)

- 31. MaDSapiens Programmatic Ad Technology**
- 32. Personality Grooming and Soft Skills**
- 33. Travel Vlogging**
- 34. Certificate Course in Financial Mathematics**
- 35. Science Honors Certificate Course (SHCC)**
- 36. Research Methodology (Analytics with SPSS)**

***All the above courses will be available with a minimum enrolment of 10-15 students**





Biotechnology & Microbiology Certificate Courses 2020-21





High Performance Thin Layer Chromatography (HPTLC) Certificate Course

Course Title	Eligibility	No. of Sessions	Duration	Resource Person	Rs. Fees	External Collaboration
High Performance Thin Layer Chromatography (HPTLC)	Students of biological sciences who have completed S.Y.B.Sc	July-September Theory-10 sessions Practical- 20 sessions	30 hours (2 days a week) 1 theory (1hr session) and 1 practical (2hr session) every week	Department Faculty and Faculty from collaborators	₹ 3,000/-	Anchrom Enterprises India Private Limited





Course Objectives - High Performance Thin Layer Chromatography (HPTLC)

- To provide theoretical and practical knowledge about modern analytical instruments.
- Hands-on training and practical exposure on using HPTLC
- Enhance the employability of the individual in industrial and academic institutional laboratories
- To learn the extraction methods, screening and identification of bioactive compounds found in plants





Course Outcomes - High Performance Thin Layer Chromatography (HPTLC)

- The participant will be familiar with the fundamental theoretical contexts of HPTLC.
- The participant will have in-depth practical knowledge of qualitative and quantitative analysis of biomarkers using HPTLC.
- The participant will learn how to design experiments for analyzing plant based extracts and validation using HPTLC.
- Participant will be able to identify technical snags and troubleshoot .
- Confident in handling and working with HPTLC.
- Enhance the employability of the individual in industrial and research laboratories





Molecular Biology & Immunological Techniques (MBIT)

Course Title	Eligibility	No. of Sessions	Duration	Resource Person	Rs. Fees	External Collaboration
Molecular Biology & Immunological Techniques	Students of biological sciences who have completed S.Y.B.Sc	November-January Theory-10 sessions Practical- 20 sessions	30 hours (2 days a week) 1 theory (1hr session) and 1 practical (2hr session) every week	Department Faculty and Faculty from collaborators	₹ 3,000/-	HiMedia Pvt Ltd





Course Objectives - Molecular Biology & Immunological Techniques (MBIT)

- Introduction and hands-on training in Molecular and Immunological techniques.
- To learn to operate apparatus and instruments like vertical and horizontal gel apparatus, Blotting apparatus, PCR thermocycler, ELISA reader
- Skill enhancement for research-oriented career and wet lab expertise





Course Outcomes - Molecular Biology & Immunological Techniques (MBIT)

- The course will enhance knowledge and conceptual, technical and operational skills of students.
- Students will learn principle, procedure, dos and don'ts in wet lab procedures, trouble shooting of Molecular & Immunological techniques.
- Students will design experiments, handle instruments, process and interpret results for problem solving.
- Enhancing job prospects for science students in research and industries..





Chemistry Certificate Course 2020-21





Chemistry Certificate Course



Course Title	Eligibility	No. of Sessions	Duration	Resource Person	Rs. Fees	External Collaboration
Analytical Instrumentation		15 weeks 2 days per week 4 hours per day	120 hours	Department Faculty and Faculty from collaborators	₹ 10,000	





Course Objectives - Chemistry Certificate Programme

- Design platform to address hands on experience in handling analytical instruments.
- Create Certified analytical instrument Chemist / Technician.
- Implement high impact placement opportunity for freshers.





Course Outcomes - Chemistry Certificate Programme

- Explain the various separation techniques and its instrumentation.
- Define and explain various fundamentals of spectroscopy, qualitative and quantitative analysis
- Discuss the principle and working of various gas analyzers.





Computer Science Certificate Course 2020-21





Computer Science Certificate Courses

Course Title	Eligibility	No. of Sessions	Duration	Resource Person	Rs. Fees	External Collaboration
Machine Learning	BSc CS, BSc IT, BSc Mathematics, BSc Statistics, CS & IT Faculties	20 hours online 20 hours classroom 20 hours practical	60 hours	Faculty from the Industry	5,000 ₹ Per student [Intake 30-40 Students]	Industry Partner - Vinayavish LLP





Course Objectives - Machine Learning



- To introduce students to the basic concepts and techniques of Machine Learning.
- To develop skills of using recent machine learning software for solving practical problems.
- To analyze large and complex datasets, create systems that adapt and improve over time, and build intelligent applications that can make predictions from data.
- To gain experience of doing independent study and research.





Course Outcomes - Machine Learning



- Students will enhance their knowledge about AI.
- They will be able to apply learning algorithms to building smart robots (perception, control).
- They will also learn to apply text understanding (web search, anti-spam), computer vision, medical informatics, audio, database mining, and other areas.
- Students will build their knowledge of using Python libraries like NumPY, SciPy, Scikit.





Certificate Programme in Commerce & Arts [Certificate Courses] 2020- 21





Certificate Programme in Commerce & Arts

Course Title	Eligibility	No. of Sessions	Duration	Resource Person	Rs. Fees	External Collaboration
CPCA (Certificate Programme for Commerce & Arts)	2 nd Year Arts & Commerce Intake of 50-55 students per batch	30 – 40 sessions per year.	2 hours per session each. Research hours extra throughout the year. Total duration of 1 year	External experts + Inhouse teachers	₹ 2,500 per student	Resource persons and experts from academia, industry and non-governmental organizations.





Course Objectives - Certificate Programme in Commerce & Arts

- To **build core competencies** amongst graduates of Arts & Commerce.
- To inculcate **research capabilities** and impart knowledge of qualitative and quantitative methodologies of research.
- To **build communication skills** so as to lead to personality development.
- To enhance aptitude of students leading to **development of varied skills.**
- To guide students in future **career choices.**





Certificate Programme in Commerce & Arts Course Outcomes

- Students gain knowledge of research and learn to carry out research surveys, apply analytical tools, prepare research papers and make research presentations
- Communication skills, confidence level and interactive skills are enhanced
- Students gain insights in core values like gender sensitivity, empathy for environment, respect for dignity of labour, scientific reasoning over blind belief and so on.





Department of Finance and Management Studies Certificate Courses 2020-21





Finance and Management Studies Certificate Courses

Course Title	Eligibility	No. of Sessions	Duration	Resource Person	Rs. Fees	External Collaboration
Certificate in Applied Finance, Treasury and Analytics (CAFTA)	12 th Grade- (Arts/Science/ Commerce)	30-40 (approx. 2 months)	60-80 hours	EY Industry Experts	₹16,000+GST	Ernst and Young (EY)
Digital Media Marketing	12 th Grade- (Arts/Science/ Commerce)	15	30 hours (contact)+ Assignments	Industry Experts	₹9,999+ GST	Indian Instituted of Digital Education (IIDE)
Data Analytics	12 th Grade- (Arts/Science/ Commerce)	15	30 hours (contact)+ Assignments	Industry Experts	₹9,999+ GST	Indian Instituted of Digital Education (IIDE)
Python (for Non Tech background)	12 th Grade- (Arts/Science/ Commerce)	23	45 hours	Industry Experts	₹8,000+ GST	Zell Academy
Financial Markets (Ride of Investments)	12 th Grade- (Arts/Science/ Commerce)	23	45 hours	Industry Experts	₹8,000+ GST	Zell Academy





Course Objectives – Finance and Management Studies

▪ **CAFTA**

- To provide students with an opportunity to learn and apply concepts of treasury and finance in solving business problems and get practitioner's insight
- Provide opportunities to witness real life scenarios that the changing industry faces due to technology trends.
- Provide networking opportunities in the field of finance.

▪ **Digital Media Marketing**

- Provide in depth practical knowledge about Digital Media Marketing.
- To master the necessary skills and gain insight into the field of digitalization and to be able to effectively promote any product/service online.
- Equip students with tools to start a business in the digital world or freelance/work in the digital and social media domain.





Course Objectives – Finance and Management Studies

▪ **Data Analytics**

- To help learn data science concepts and build powerful models to generate useful business insights/predictions.
- To understand the use and application of Data.
- To equip students with tools and skills required to collect, use, analyse and process data to take real life decisions.

▪ **Financial Markets (Ride of Investments)**

- Give practical knowledge about financial markets.
- Provide knowledge and hands on training on trading in the financial markets.
- Equip students with tools to start investing and trading at an early age.





Course Objectives – Finance and Management Studies

▪ **Python (for non-techies)**

- Enable a student with non technical background to be able to learn programming
- Enable students to understand and be able to code using Python
- Equip students with tools to start their own web applications without having any technical background

▪ **Transportation & Logistics**

- Enable students to get an overview of the logistics and transportation industry and help candidates to be better prepared in advance for potential jobs in this sector.
- To make students understand the functioning of transportation, warehousing, health safety & environment and the freight forwarding sector.





Course Outcomes – Finance and Management Studies

▪ CAFTA

- Participants will be able to improve yields on investment portfolio.
- Participants will be able to take enhanced borrowing decisions.
- The programme will enable students to understand latest treasury technologies/tools to improve treasury process.
- Participants will be able to network with a closed group to stay updated on trends in Finance, Treasury and Analytics.





Course Outcomes - Finance and Management Studies

▪ **Digital Media Marketing**

- Participant will become a Certified Digital Marketer, fully equipped to take on any role in the digital marketing world, be it in an already existing digital agency or as an entrepreneur.
- Participants will Learn how you can leverage the power of Digital Marketing
- Create successful online campaigns

▪ **Data Analytics**

- Participants will get a strong foundation in all the areas that support analytics .
- Participants will be able to describe data using statistics and graphical techniques.
- Participants will understand the changing landscape of data science in the modern business world.





Course Outcomes - Finance and Management Studies

- **Financial Markets (Ride of Investments)**
 - Students will be able to read and track financial market movements and carry out fundamental and technical analysis for companies.
 - Students will be equipped with a demat account and trading account to begin trading in the equity market.
 - Students will have a better and indepth knowledge of debt, equity and mutual funds market.





Course Outcomes - Finance and Management Studies



▪ Python (for non-techies)

- Participants will be able to describe the basics of the Python programming language.
- Students gain knowledge on coding and will be equipped to code their first program.
- Students will be equipped to design and create their own applications and use variable to store , retrieve and calculate information.





Course Outcomes - Finance and Management Studies

■ **Transportation & Logistics**

- Participants will be able to start a career in the booming field of logistics.
- Participants will be well equipped with industry knowledge and the dynamics of the industry.
- Participants will be highly employable and may also be able to start up their own business in this booming industry.





Gender Studies Certificate Course 2020-21





Gender Studies Certificate Courses

Course Title	Eligibility	No. of Sessions	Duration	Resource Person	Rs. Fees	External Collaboration
Certificate course in Gender Studies	Open to all across disciplines	20 sessions spread over 10 weeks.	120 minutes per session	External faculty drawn from different fields of inquiry and a few in-house faculty members	₹ 2,000	





Course Objectives - Gender Studies



- To promote a nuanced understanding of basic concepts in gender studies.
- To build a critical feminist perspective on gender issues.
- To foster interdisciplinary linkages.
- To use an intersectional lens to understand the multi layered nature of gender oppression.





Course Outcomes - Gender Studies



- Imparts a theoretical understanding of the interconnected nature of oppressions.
- Brings about a perspectival shift that is able to set down norms of respect and non discrimination especially on issues of gender and sexuality.
- Engenders progressive social transformation.
- Fosters solidarity and connectedness among students.





Information Technology Certificate Courses 2020-21





Information Technology Certificate Course

Course Title	Eligibility	No. of Sessions	Duration	Course Semester	Resource Person	Fees Rs.	External Collaboration
Introduction to Unity and Graphics (offline)	Any one with knowledge of C#	Twice a week ,each session of 2 hours. Total 30 sessions	Theory 20 hours Practical 40 hours 15weeks/ 4months	Course available in even semester	1. Mr. Ravi Gupta 2. Mr. Vishal Kawji (External: from Industry)	₹ 10,000 (Under Consideration) with 50 Students	Frameboxx Animation & Visual Effects Ltd.





Course Objectives - Information Technology

- This course is specifically designed for those who have interest in developing 3D games and working on virtual platform.
- This course will cover a complete introduction to Unity. Not only it covers tools but theory as well as techniques used by Industry Professionals.
- Students will be able to create their first 3D Application as well as to assemble a 3D environment for Virtual Reality, Augmented Reality and Gaming, without any prior programming experience.
- Taught and trained by Industry Professionals.





Course Outcome - Information Technology

- Students will acquire skill and knowledge to make prototypes for Games, Applications, Augmented Reality, Virtual Reality.
- Student will acquire capacity to work in Animation and Gaming Industry as Character animator, Game Tester, Gaming and Animation designer, Game programmer and many more.
- Make student ready to work and innovate in the field of Virtual Reality.
- Industry Certification will be awarded.





Life Sciences Certificate Courses 2020-21





Geriatric Management Certificate Course

Course Title	Eligibility	No. of Sessions	Duration	Course Semester	Resource Person	Fees Rs.	External Collaboration
Geriatric* Management (Online Course)	Open to all Min qualification: 12th Passed	20 Sessions 2 sessions /week each	3 Months (12 Weeks)	Odd Semester From July to September	In house faculty and External Experts	₹ 3,000	Medical and paramedical fields along with NGOs

* Minimum class strength of 20 students, maximum 100





Course Objective - Geriatric Management

- To provide an understanding of late adulthood from a geriatric perspective
- To provide awareness and skill sets for elderly care, through firsthand information from experts in the field
- To conduct training sessions through virtual classroom that would help participants to develop as an effective caregivers for their family members as well as for any professional organization
- To offer a holistic understanding in Geriatric management from a multidisciplinary point of view





Course Outcomes - Geriatric Management

- Participants would be acquainted with various issues, challenges and solutions in elderly care.
- Participants would get connected with the experts in the field of Geriatric Management.
- Participants would be equipped with skill-sets to manage the elderly population thus, increasing their chances of employability with organizations/NGO's engaged in the field of Geriatric care.





Biodiversity Conservation and Management Certificate Course



Course Title	Eligibility	No. of Sessions	Duration	Course Semester	Resource Person	Fees Rs.	External Collaboration
Biodiversity Conservation & Management	Open to all Min qualification: 12th Passed	20 Sessions 2 sessions /week each	3 Months (12 Weeks)	Even Semester From November to February	In house faculty and External Experts	₹ 2,500	Environmental Agencies and NGOs





Course Objectives - Biodiversity Conservation and Management

- To develop an ability to engage with concepts and theories in biodiversity conservation and management from interdisciplinary perspectives.
- To acquaint the learner with sustainable use of components and resources in Biodiversity conservation.
- To understand the use and role of new technologies for developing strategies for biodiversity conservation and sustainable development.
- To appreciate the role of ethics, values and norms in producing culturally attuned and effective conservation interventions.





Course Outcomes - Biodiversity Conservation and Management

- Improvement in awareness regarding issues and challenges in Biodiversity Conservation and Management.
- Participants would be equipped with information on latest technological tools, useful in designing intervention strategies in Biodiversity conservation.
- The course content will help to identify the key policy issues and the role of stakeholders in conservation and sustainable development.
- Real time case studies as assignments would help the participant to know about current status of Biodiversity conservation.





Department of Mass Media Certificate Courses 2020-21





Dept. of Mass Media Certificate Courses [UG1-Sem2]

Course Title	Eligibility	No. of Sessions	Duration	Resource Person	Rs. Fees	External Collaboration
Animation	12 th Grade (all streams)	15 sessions	30 hours	Mr. Mehul Irani	₹ 10,000	
Commercial Photography - 1	12 th Grade (all streams)	15 sessions	30 hours	Mr. Raj Lalwani	₹ 10,000	Canon
Communication Design - 1	12 th Grade (all streams)	15 sessions	30 hours	Ms. Neha Mewawala	₹ 10,000	
Contemporary Dance	12 th Grade (all streams)	15 sessions	30 hours	Ms. Ruchi Shah	₹ 10,000	
Sound Editing	12 th Grade (all streams)	15 sessions	30 hours	External Expert	₹ 10,000	
Styling	12 th Grade (all streams)	15 sessions	30 hours	External Expert	₹ 10,000	Fashion Institutes
Video Production	12 th Grade (all streams)	15 sessions	30 hours	Mr. Nadir Kanthawala	₹ 10,000	
Voice & Anchoring - 1	12 th Grade (all streams)	15 sessions	30 hours	External Expert	₹ 10,000	



Dept. of Mass Media Certificate Courses [UG2-Sem3]

Course Title	Eligibility	No. of Sessions	Duration	Resource Person	Rs. Fees	External Collaboration
Communication Design - 2	1 st Year (any UG programme)	15 sessions	30 hours	Ms. Neha Mewawala	₹ 10,000	
Commercial Photography - 2	1 st Year (any UG programme)	15 sessions	30 hours	Mr. Raj Lalwani	₹ 10,000	Canon
Dance Therapy	1 st Year (any UG programme)	15 sessions	30 hours	Ms. Ruchi Shah	₹ 10,000	
Gaming	1 st Year (any UG programme)	15 sessions	30 hours	Shagun Shah/ Prasad Kajrekar	₹ 10,000	
Merchandising	1 st Year (any UG programme)	15 sessions	30 hours	Rep from Luxury Brands	₹ 10,000	Fashion Institutes
Sound FX	1 st Year (any UG programme)	15 sessions	30 hours		₹ 10,000	Frameboxx
Video FX	1 st Year (any UG programme)	15 sessions	30 hours		₹ 10,000	Frameboxx
Voice & Anchoring - 2	1 st Year (any UG programme)	15 sessions	30 hours	Rep from the Industry	₹ 10,000	



Dept. of Mass Media Certificate Courses [TY & PG2]

Course Title	Eligibility	No. of Sessions	Duration	Resource Person	Fees	External Collaboration
Academic Writing	Graduation (any stream)	15 sessions	30 hours	Ms. Harini Calamur	₹10,000	
BARC (Broadcast Audience Research Council)	Graduation (any stream)	15 sessions	30 hours	Rep from BARC		BARC (Broadcast Audience Research Council)
Film Appreciation	Graduation (any stream)	15 sessions	30 hours	Mr. Devdutt Trivedi	₹10,000	
Google Analytics	Graduation (any stream)	15 sessions	30 hours	Rep from Google		Google
MaDSapiens – Programmatic Ad Technology	Graduation (any stream)	15 sessions	30 hours	Mr. Marshal	₹10,000	MaDSapiens
Personality Grooming & Soft Skills	Graduation (any stream)	15 sessions	30 hours			
Travel Vlogging	Graduation (any stream)	15 sessions	30 hours	Rep from CondeNast	₹10,000	CondeNast



Dept. of Mass Media UG Course Objectives

The department of Mass Media offers the following certificate courses:

Animation & Gaming:

Objective: To equip students to create animated movies and commercials, & develop games on various platforms and even produce their own films.

Outcome: Students proficient will gain proficiency in animation across media - film, television and new media.

Communication Design:

Objective: To encompass a number of design practices, including information design, information architecture, advertising and marketing.

Outcome: The course enables students to improve their communication skills across different platforms





Dept. of Mass Media Course Objectives



Contemporary Dance:

Objective: To strengthen students' creative skills in live performance through the study of craft and technique.

Outcome: Will be prepared to enter the professional world of the performing arts, or to pursue graduate study in theater, dance, or other fields in the humanities.

Dance Therapy:

Objective: To help our students to find their true self-identity through an alternative means.

Outcome: Through dance and movement they are better able to develop self-awareness and an improved self-image





Dept. of Mass Media Course Objectives



Commercial Photography:

Objective: To learn the commercial aspect of photography and cover its different genres.

Outcome: Students will understand the different genres of commercial photography and will be equipped to work with a photography firm or venture into their own photography studio.





Dept. of Mass Media Course Objectives



Styling & Merchandising:

Objective: To understand brands and their distinct, styling and merchandising processes.

Outcome: This acts as a bridge course after any graduation, and enables them to work in any part of the fashion or retail industry.

Sound Editing & SFX:

Objective: To learn the techniques of mixing audio, dubbings, background score, and sound effects.

Outcome: This course paves the way into various opportunities at different production houses and TV channels.





Dept. of Mass Media Course Objectives



Video Production & Video FX:

Objective: To learn the basics of making a video, with a smartphone or a digital camera, and using compositing techniques for visual effects.

Outcome: Students can work with production houses, TV channels

Voicing & Anchoring:

Objective: How well you can utilize your voice to influence people.

Outcome: Hosting shows at events or on TV channels, dubbing for films, and voicing for advertisements are a few of the areas to explore.





Dept. of Mass Media PG Course Objectives

Academic writing:

Objective: To help students build academic vocabulary, read, analyze and respond to assigned readings with an understanding of structure and mechanics.

Outcome: On completion of the course students are equipped to pursue academics, write quality research papers, and books.

Broadcast Audience Research Council (BARC):

Objective: To train the student with the right tool, and provide the Indian advertising and broadcast industry the ratings they so desperately need.

Outcome: Completing the course, will help them gear up for work in TV channels and streaming platforms (OTT), and measure effectiveness of programmes.



Dept. of Mass Media PG Course Objectives



Film Appreciation:

Objective: The course will create a historical perspective on Cinema explaining its many internal movements and aesthetic decisions that intersect with social ideas, politics, ethics and other arts using the five main elements: Narrative, Space, Time, Sound, Color and Non-fiction.

Outcome: Students get to understand the backdrop, in which the film was set, and help them become good analysts, and critics





Dept. of Mass Media PG Course Objectives



MaDsapiens:

Objective: To introduce students to understand programmatic advertising across digital platforms.

Outcomes: Students appreciate the nuances of programmatic advertising, and better inventory management and media visibility

Google Analytics:

Objective: To help identify what performs well on a website, and conversely what is underperforming.

Outcome: Insights into data analysis, helps one get industry ready viz. Logistics, Healthcare, Digital Marketing to name a few.





Dept. of Mass Media Course Objectives



Personality Grooming & Soft Skills:

Objective: To build self-confidence, enhance self-esteem and groom students through sensitizing them about proper behavior, socially and professionally, in formal and informal circumstances.

Outcome: Students will learn to balance confidence with humility and learn how personal values connect to motivation thus serving to benefit teamwork.

Travel Vlogging:

Objective: To visually chronicle their travel experiences

Outcome: Learn the art of shooting, scripting, and start off with your own YouTube channel or be part of the Travel & Tourism industry.





Mathematics Certificate Courses 2020-21





Mathematics Certificate Courses 2020-21

Course Title	Eligibility	No. of Sessions	Duration	Resource Person	Rs. Fees	External Collaboration
*Certificate course in Financial Mathematics	Anyone who has studied Mathematics up to 12th Standard and interested in Finance	20 lectures (2 lectures per week)	1 hour each	Department Faculty & Mr. Kaushal Shah,	₹ 5,000	NA
		5 practical sessions (alternate week)	2 hours each	Senior Manager, Treasury, Reliance Power		

* 12 week course





Course Objectives - Mathematics



- To create an interdisciplinary platform to study the applications of simple mathematical techniques to finance
- The course also give students ample opportunities to experience hand on practices on numerical analyses, graphical illustration, measuring value at risk, pricing financial constructing efficient portfolio and fixed income analytics.
- To learn to apply mathematical concepts to solve real life problems.





Course Outcomes - Mathematics



- This course will build the foundation for career in finance.
- This course will help the students to be financially literate.





Science Honors Certificate Course 2020-21





Science Honors Certificate Course

Course Title	Eligibility	No. of Sessions	Duration	Course Semester	Resource Person	Rs. Fees	External Collaboration
Science Honours Certificate Course (SHCC)	Open to students of all science stream of F.Y.B.Sc.	30 Theory sessions (2 hours) 30 Lab sessions /Field work	18 months: 12 months of Research & 6 months of Skill Development & Assessment	Starts in the even Semester (Semester II) and ends in odd semester (Semester V)	In-house faculty and External experts from multi disciplinary fields	₹5,000	With Academia, Institution and Industry for expertise in knowledge domain and hands-on training Institutional or Field Visits- Eg. Godrej Mangrove Park





Science Honors Certificate Course Objectives

- To inculcate a scientific aptitude in the students at undergraduate level.
- To provide skill sets necessary to build core competency in research and soft skills.
- To offer a holistic comprehension about their prospects in research and enthuse students to pursue higher studies.
- To motivate students to engage in interdisciplinary research.





Science Honors Certificate Course Outcomes

- Participants improve their knowledge base in research and would be capable of designing and conducting research projects
- Participants improve their communication and presentation skills
- Due to the sensitization regarding various socio cultural issues during the training program, participants develop an aptitude to be analytical and unbiased approach towards a problem
- Participants develop the capabilities of presenting and /or publishing their research work at national and international forums
- With the trans-disciplinary knowledge pool, the participants develop into a wholesome personality





Statistics Certificate Courses 2020-21





Research Methodology Certificate Course

Course Title	Eligibility	No. of Sessions	Duration	Course Semester	Resource Person	Rs. Fees	External Collaboration
Research Methodology (Analytics with SPSS) (online)	Anyone with Research Interest	Twice a week ,each session of 2 hours. Total 30 sessions	Theory- 45 hours Practical- 15 hours 15weeks/ 4months	Course available in odd semester by Statistics Department	Internal Faculty, External Faculty and Industry Experts	₹6,000 with 50 Participants	NA





Course Objectives - Research Methodology



- To inculcate Research aptitude among participants.
- To equip the learner with types of Research, methodology and techniques of research.
- To offer a holistic comprehension about Research and enthuse learner to pursue their higher studies and multidisciplinary research





Course Outcomes - Research Methodology

- Learner will acquaint with the various stages and procedures of Academic Research.
- Participants will gain knowledge of research and learn to carry out research surveys, analysis, writing research proposal, papers and research presentations.
- Communication skills, confidence level and interactive skills will enhance.





Bibliography



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Conclusion



The different departments of K.C. College, HSNC University have provided an excellent range of Certificate courses for their students and faculty.

There is so much to learn and equip themselves for a better tomorrow.

Thank you!

