



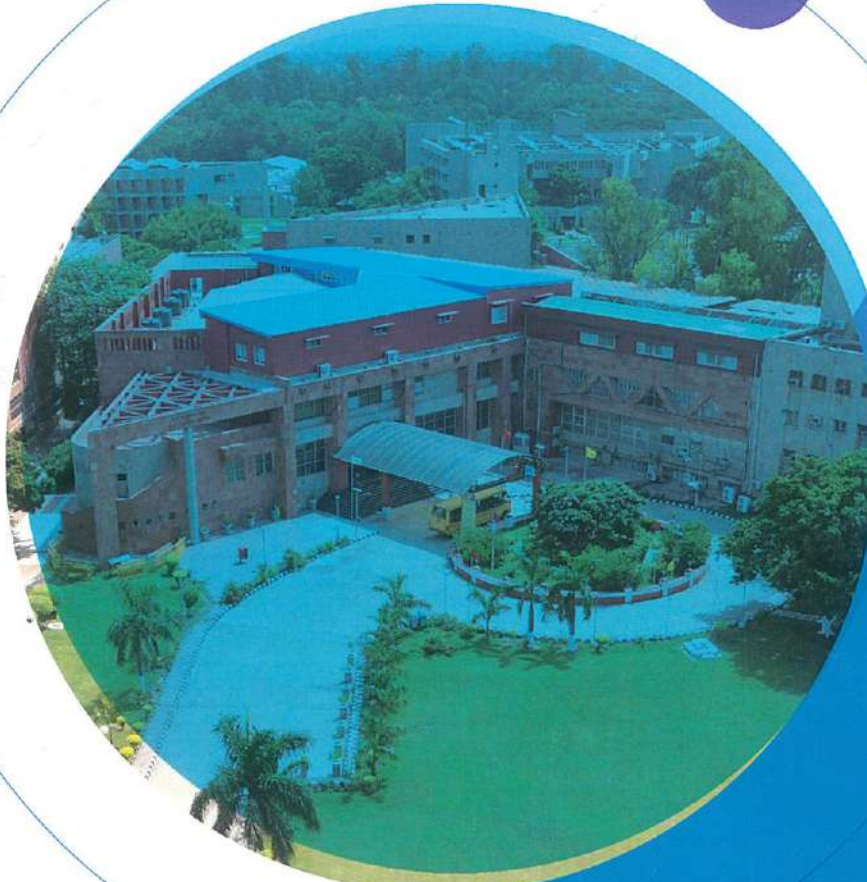
# Delhi Technological University

Established by the Govt. of NCT of Delhi vide Act 6 of 2009

(Formerly Delhi College of Engineering)

Accredited Grade 'A' by NAAC

ISO 9001 : 2015 Certified



## ADMISSION BROCHURE

### MA (Economics)

University School of Management  
& Entrepreneurship

**(2022 – 2024)**



[www.dtu.ac.in](http://www.dtu.ac.in)

# Admission Schedule

The dates for online registration and subsequent stages of admission process will be intimated on the DTU website:

**[www.dtu.ac.in](http://www.dtu.ac.in)**

Please check the site regularly for the information.

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**Prof. Jai Prakash Saini**

Vice - Chancellor

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दिल्ली प्रौद्योगिकी विश्वविद्यालय  
**DELHI TECHNOLOGICAL UNIVERSITY**

Established by Govt. of Delhi Act 6 of 2009

(Formerly Delhi College of Engineering)



### Message from the Vice - Chancellor

It gives me immense pleasure to announce the commencement of admission process of the MA (Economics) programme for the academic year 2022-23 at the University School of Management & Entrepreneurship (USME), East Delhi Campus, DTU.

Delhi Technological University is a premier Indian University dedicated to excellence in education research, innovation and entrepreneurship and contributing towards solutions which add value to society. It aims at the creation of a synergetic partnership between academia and industry. It has a legacy of over 80 years of academic achievement, and currently offers various interdisciplinary and industry relevant programmes in science, technology, management and allied areas. The University is committed to create the most conducive ambience for creation and dissemination of knowledge guided by innovative thinking, scientific enquiry, sublime human values, sustainable ecology and domestic ethos. The University School of Management & Entrepreneurship (USME) was established at the East Delhi Campus of DTU in 2017, with programmes in the undergraduate and postgraduate level, keeping in mind the expanding horizon of professional education in entrepreneurship development and the evergrowing demand for professionals in the corporate world. The programmes in the three disciplines of Management, Economics and Innovation, Entrepreneurship and Venture Development, introduced at USME, have been designed with a practice orientation.

In keeping with the vision of USME for serving society and industry with programs having an applied focus in specialized areas, the MA (Economics) programme will leverage the strengths of the USME and the University in terms of rigor in the foundation courses in economics, a practice driven curriculum, application and analysis focus, technology and analytics, and an overall scientific orientation. The programme would offer specializations in core areas of economics as well some of the cutting-edge new and upcoming streams in the field.

**My best wishes to all eligible aspirants applying for admission to the MA (Economics) programme.**

**Prof. J.P. Saini**

## About Delhi Technological University

Delhi Technological University (formerly known as Delhi College of Engineering), established by the Government of NCT of Delhi vide Act 6 of 2009 is one of the most well-known engineering institutions in India, with over 78 years of glorious tradition behind it. A non-affiliating, teaching and research University, DTU is poised to create an environment of a synergetic partnership between academia and industry with a focus on world class research, teaching and innovation, having a global impact. DTU has consistently been ranked among the top institutions of the country in reputed surveys. It has the mission of establishing centres of excellence in research in cutting edge areas in engineering, and management, to foster through these and holistically in its education the ecosystem vital for innovation, entrepreneurship and technology transfer and new products, and to be a leader in providing or catalysing environment friendly, sustainable solutions for local and global communities.

The postgraduate programmes offered at DTU include Master of Technology (MTech) programmes in various disciplines of engineering, Master of Business Administration (MBA) and Masters of Arts (MA) in Economics programmes. The undergraduate programmes include Bachelor of Technology (B.Tech) in various disciplines of engineering, Bachelor of Business Administration (BBA) and B.A. (Hons) in Economics. The university also offers Doctor of Philosophy (PhD) programmes in a wide range of areas in Engineering, Sciences, Management and Humanities. The programmes at DTU foster a strong emphasis on scientific, technological and managerial education and research.

Currently the University is operating from two campuses. The main campus is located at Shahbad Daulatpur, Bawana Road, Delhi and the East Delhi Campus located at Vivek Vihar, Phase II, Delhi.

### Vision

To be a world class university through education, innovation and research for the service of humanity.

### Mission

- To establish centres of excellence in emerging areas of science, engineering, technology, management and allied areas
- To foster an ecosystem for incubation, product development, transfer of technology and entrepreneurship
- To create an environment of collaboration, experimentation, imagination and creativity
- To develop human potential with analytical abilities, ethics and integrity
- To provide environment friendly, reasonable and sustainable solutions for local & global needs.

## About University School Of Management & Entrepreneurship (USME)

The USME was established in the East Delhi campus (EDC) of DTU in the year 2017, to fulfill its mission of offering a portfolio of the highest quality of programs aimed at emerging area such as analytics and venture development, and the creation of an ecosystem for learning, research and practice in management and entrepreneurship. It aims to grow into a nodal centre for entrepreneurship, and to become a multidisciplinary practise-oriented school.

Situated in the East of Delhi, the Campus comprises three disciplines of Management, Economics and Innovation, Entrepreneurship, and Venture Development, with faculty having a background of leading institutions such as IIM Kolkata/Lucknow, IIT Madras/Ropar, JNU, DSE, etc. It houses an ecosystem that is not only multidisciplinary, but multidimensional in its range of activities. There is a network of student entrepreneurs from the MBA Entrepreneurship streams, and ventures (including the DTU-IIF incubates), mentors and professionals, in-house and visiting faculty from premier institutions and industry, and a vibrant student community.

USME not only offers degree programs at the UG, PG and doctoral levels, it has also conducted intense workshops for students such as in Entrepreneurship, Business Strategy, R for Machine Learning, the Start-up Conclave etc. which provide a lot of co-curricular learning. The cultural fest "Traction", including business contests, and many other celebrations of youthful artistic expression, including sixteen clubs in different professional and other interest areas, all lead to a rich extra-curricular life on Campus. These activities have drawn students from across India, including from the IIMs and other premier colleges, and students also participate in many national level festivals and competitions.

Last year, the first USME Internship fair resulted in over three hundred fifty internship offers to undergraduate students. This will be extended to the PG level in this session. The placement of MBA candidates is through the Central DTU Training and Placement Cell, where last year, over fifty companies presented final placement opportunities for MBA, jointly with DSM.

It has added very modern classroom infrastructure and discussion spaces, a state of art library and information center, seminar rooms, and a 200-capacity state of the art Manthan Hall. The Campus students organize various events ranging from cultural fests, talks, business contests, and internship/final placement fairs, workshops and a lecture series of thought leaders across disciplines.

There is a separate common room for girl students, and it has many facilities along with carrom and TT tables, found in all common rooms. Badminton courts are also there on Campus, along with shared international standard hockey facilities, and access to all the famed DTU Main Campus sports complex facilities for lawn tennis, cricket, gymnastics, basketball, etc. It also sends its own teams to competitions in various sports.

USME offers the Master of Business Administration (MBA) program, the MBA (Business Analytics), MBA (Family Business & Entrepreneurship), an MBA (Innovation, Entrepreneurship & venture development) and Master of Arts (MA) in Economics programmes at the PG level and the Bachelor of Business Administration (BBA) and Bachelor of Arts (Honours) in Economics programmes at the UG level. The Ph.D. programs in Management, Economics and Entrepreneurship/Venture Development disciplines has nineteen scholars at present. There are over one thousand students on the USME Campus at present.

## The USME Vision

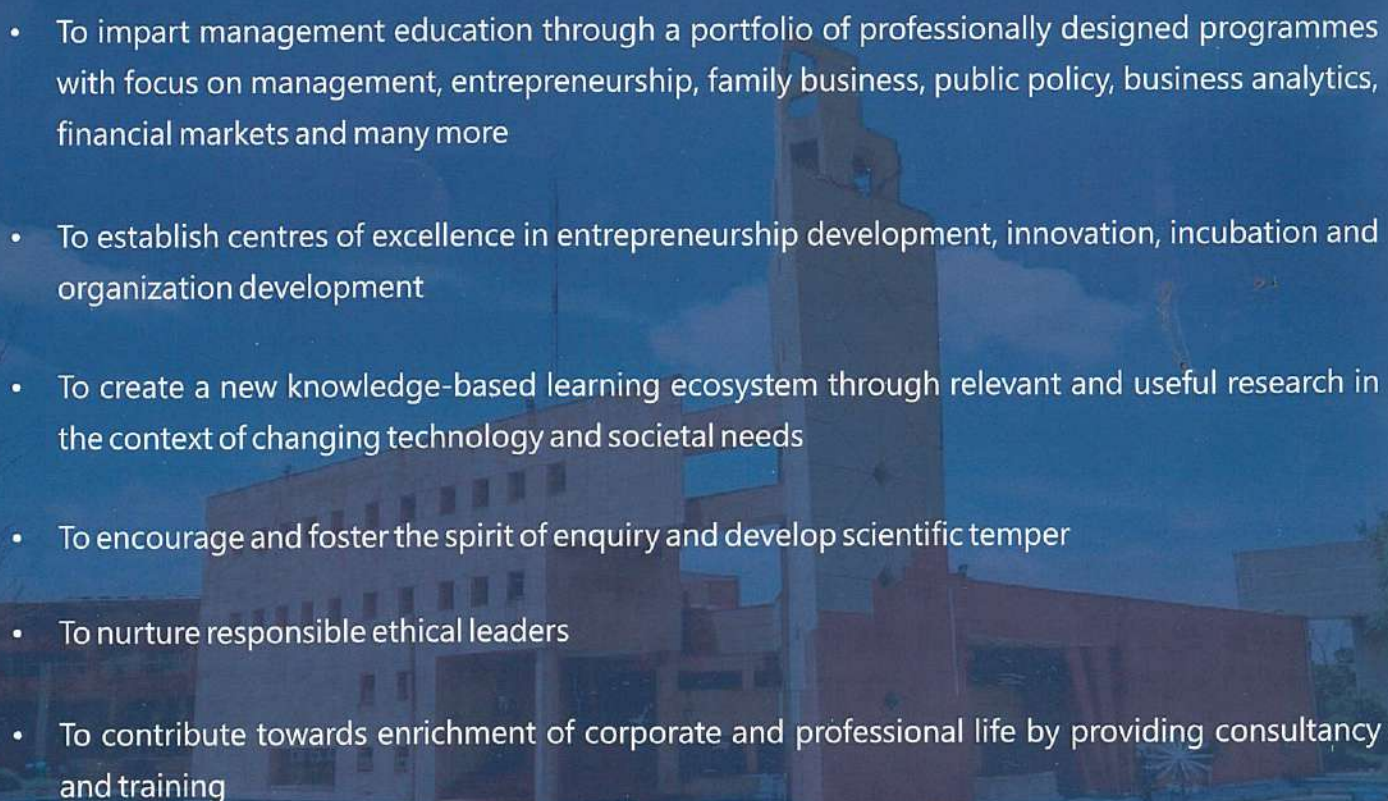
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**To develop and nurture the spirit of management leadership and entrepreneurship with a sense of social conscience for the common good of the society**

## The USME Mission

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- 
- To impart management education through a portfolio of professionally designed programmes with focus on management, entrepreneurship, family business, public policy, business analytics, financial markets and many more
  - To establish centres of excellence in entrepreneurship development, innovation, incubation and organization development
  - To create a new knowledge-based learning ecosystem through relevant and useful research in the context of changing technology and societal needs
  - To encourage and foster the spirit of enquiry and develop scientific temper
  - To nurture responsible ethical leaders
  - To contribute towards enrichment of corporate and professional life by providing consultancy and training



## Centres Of Excellence

### Entrepreneurship Development Centre (EDC)

The aim of the centre is to develop an institutional mechanism to create entrepreneurial culture in science and technology and to foster techno entrepreneurship and knowledge enterprise development for generation of wealth and employment by personals. The centre guides the budding students to pursue entrepreneurship as their career. At the nascent stage, the centre has organised experiential workshop on entrepreneurship under the government's Technical Education Quality Improvement Programme (TEQIP), and has hosted a start-up business plan competition in the annual fest Traction which saw participation from various leading institutions such as IIM Lucknow, IIM Shillong, IIM Rohtak, among others, from various parts of India, with a participation from over a hundred management students. It has worked with the Enactus programs to engage in social ventures that help improve the quality of life for the people in need.

### Innovation and Incubation Centre (IIC)

The aim of the centre is to provide start-up grants for students and faculty members in the areas of management, innovation, along with entrepreneurship. It also promotes management and innovation-driven business ventures that will lead to technical renaissance. This is in association with the DTU Innovation and Incubation Foundation, headed by CEO: Dr. Girish K Sharma, which has incubation infrastructure at the East Campus under the IIC based at East Campus.

### Centre for Organizational Development (COD)

The aim of this centre is to provide research, education, consultancy and extension services which enable organizations to transform its human resources effectively for consistent improvement and enable efficient change management. A major challenge for start-ups is that of managing growth and acceleration, with the structure and functioning of the organisation at this stage of initiation, acceleration and scaling being a key issue. The COD would endeavour to provide research-based insights and solution to these issues.

## Students' ventures at USME

Some of the ventures of the MBA-IEV students include-

- "Innovative Scripts Private Limited" is a DPIIT recognized start-up developing Block chain-based Enterprise Software Solutions; incubated at MBA-IEV program of USME, DTU.



**Innovative Scripts Private Limited.**

- "Refoveo" is all about serving clean, fresh and healthy food and beverages; The venture is established at DTU main campus and serving fresh juice and vegetable salad to the students of DTU.



**Inauguration of REFOVEO at DTU Main Campus.**



- "Currikalam Technologies Private Limited" strives to make a one-stop shop for all the lab based and experiential educational needs. Its vision is to make school education relevant to today's times and industrial needs. The packages provided by Currikalam include IoT lab experiment equipment for schools, Smart classes, modern labs, certified teacher training programs, school websites, student portal, etc.

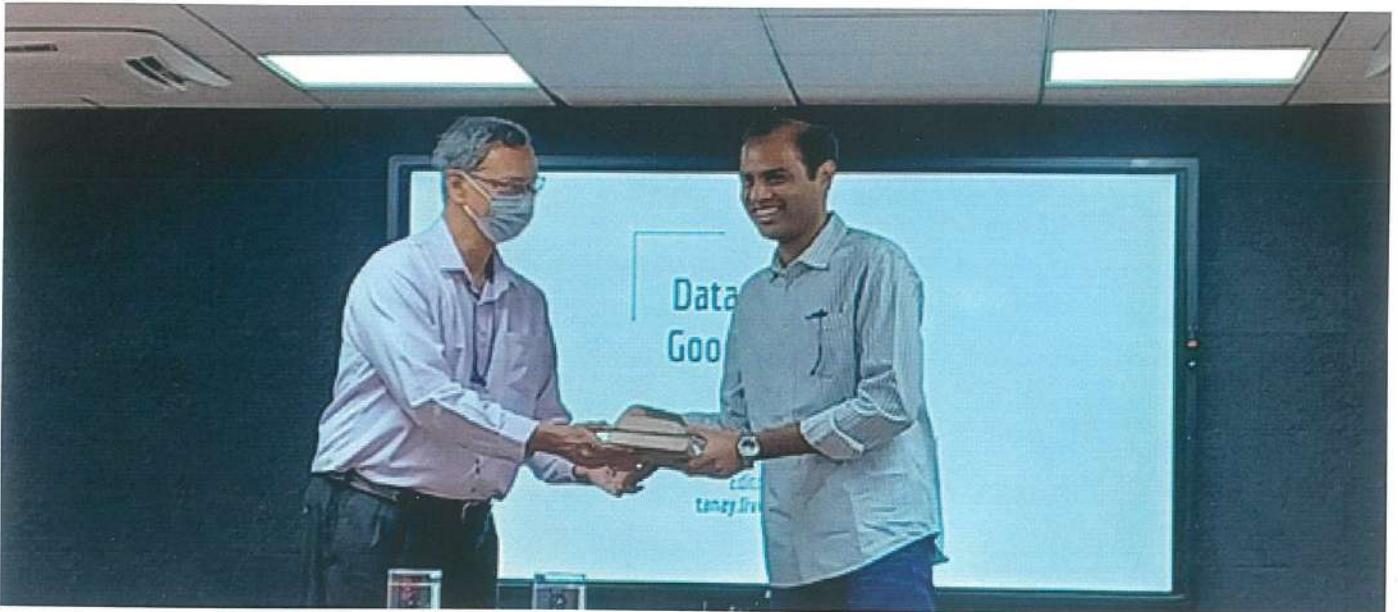


**Currikalam Technologies Private Limited**

- "Madhouse to Mudhouse" is a private limited firm that provides consulting services to individuals, private and government institutions operating in the hinterlands of rural India, in fields such as agriproducts, tourism etc.
- "Ishan-M" is a start-up which brings to you a complete solution of all the digital marketing needs at one place, and already has over six leading business houses as clients.
- "The Herbalist" is an indigenous thermal energy optimization company, actively engaged with the clients in herbal produce process industries.
- "Lets Go Electric" is MBAIEV incubated start up dedicatedly focused in enabling Ecosystem for EV charging Infrastructure & Building sustainable Green Environment. By offering services such as battery as a swapping model for 2- and 3-watt EV charging for 4 Watt and on a Pay per Use Model. The vibrant centre for Entrepreneurship Development which is mentoring and housing these students, and is accessible to all students at the USME Campus equally.
- Nikiez clothing – Indian wear Online Shopping. It offers exclusive Indian wear that features the latest trends and collection. It launches products on its online shopping portal every month and offers Lehengas, Sharara Suits, Garara Suits, dresses
- Another venture is for designing and manufacturing stunning carbon fiber Home Décor and Lifestyle products . The vision is to create a luxurious lifestyle brand and providing the highest quality carbon fiber products for automobile enthusiasts who want to show their passion and want to reflect it from their homes and offices.
- "Professional Range A+ Enhancing your natural beauty" is an export house related to provide 'One destination for Beauty & Salon Industry' with Essential Oils & Nano-Technology as the base. The long term objective is to create an export house where skin care products would be distributed business to business.

## Events At USME

There has been active involvement of students and faculty in the various professional activities and student events. The department has around 16 student clubs built around professional, cultural, social and sports related interests. Guest lectures, events, visits to industries and trade fairs, all have led to an all-round exposure of students at USME to the rapidly changing economic and industrial scenario.



Tanay Sukumar, Data Editor, Plain Facts, Mint, delivered a lecture on "Data in India: The Good, The Bad, The Ugly"



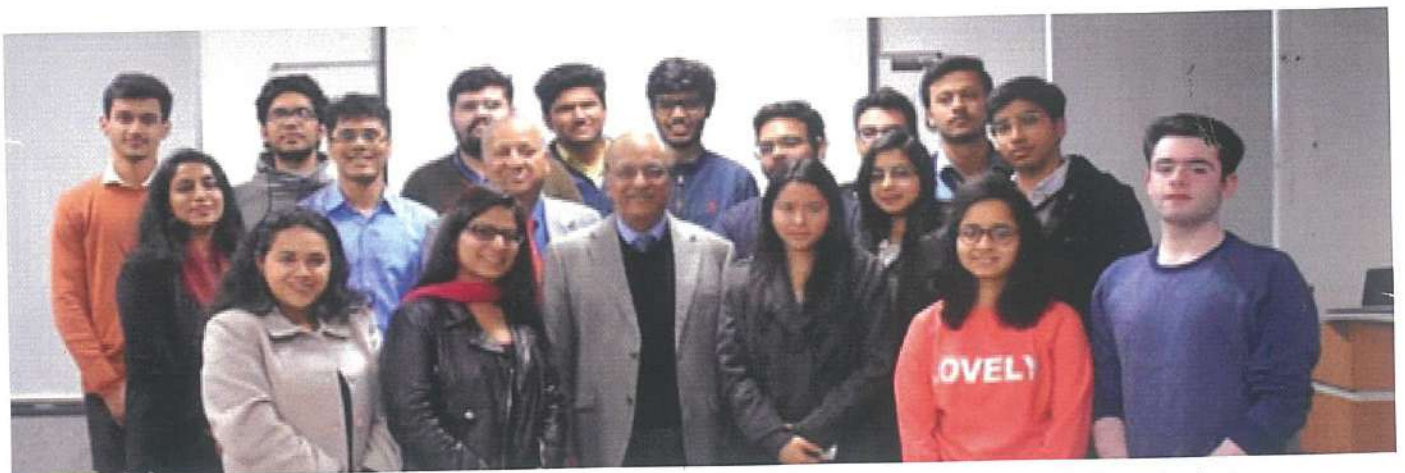
Ms Navroop K. Sahdev, Founder & CEO of The Digital Economist, Los Angeles, USA delivered a lecture on "Blockchain Technology"



Ms Tulsipriya Rajkumari, Deputy Director, Macro-Economic Division, Department of Economic Affairs delivered an online lecture on "How Policy Interventions by the Government can help fight Covid and Strengthen the Economy"



Dr. Abhinav Mathur, Founder Director, Million Spark Foundation at Start-up Conclave



Professor Binod Khadria, School of Social Sciences, Jawaharlal Nehru University delivered a lecture as part of the DelTech Seminar Series



Ms Sanjana Kadyan, Assistant Director, Department of Economic Affairs, Ministry of Finance delivered a lecture on “Role of Economics in Policymaking: Taking classroom to the real world”

## Students Clubs and Cultural Activities

USME has a vibrant cultural environment and encourages students to develop leadership skills through participation in co-curricular and extra-curricular activities. There are 20+ student led societies on campus that concern themselves with specific business verticals such as Consulting, Marketing, Finance and Strategy on the one hand, and art, music, dance and theatre on the other. USME's newest student society “Prakriti” focusses on sustainability. These clubs regularly organize seminars, competitions, and encourage knowledge sharing on their domains within the campus.

Our students have won over twenty awards in inter-college and national level competitions, such as first position in a Mock Stock event organized by Delhi University, first position in an Acquisition Bidding event organized at Ahmedabad University, finalists in case and strategy competitions held at IIM Tiruchirappalli and SRCC, winners of the business case analysis competition at IMT Ghaziabad, ranking positions in the MUN, first five ranks in the national Top Rankers competition, etc in the past.



Hon'ble Dy. CM Mr. Manish Sisodia inaugurated the Manthan Hall of University School of Management and Entrepreneurship at the east campus of DTU on 4th March, 2021



NSS-USME Tree plantation drive, 6th march 2021 at Satyam enclave, Jhilmil, East Delhi.

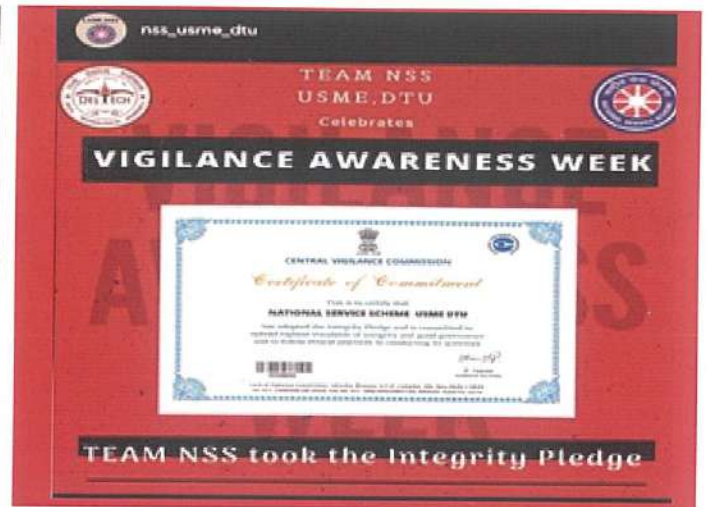


NSS WINTER DONATION DRIVE: 100 plus winter clothes, books for children Seelampur East Delhi.

## National Service Scheme – USME Initiatives

NSS division at USME, DTU Works on the motto "Not me, but YOU" and aims to provide hands-on experience to young students in delivering community service. NSS Initiatives at USME, DTU include Project PATHSHALA is based upon providing free education to every student during covid pandemic in collaboration with NGO "E-vidyaloka" where our volunteers provided full-fledged videos for live classes in various subjects broadcast in Uttarakhand state. OLD AGE HOME VISIT at Shashi raj foundation located in Shahdara, east Delhi and facilitated donation of the basic necessities and hygiene items for elderly. THIS OZONE DAY members of NSS USME, DTU conducted a small plantation drive A road safety week was organized under which various events like spot the error quiz competition in which pictures were shown and contestants had to identify the traffic rule violations. Meme making competition was also conducted make memes to spread traffic awareness and road safety anthem was composed in collaboration with "shiddat" to spread awareness.





Dheemigati, a road safety initiative by USME, DTU



Battle of Bands competition organised as part of the Annual Management and Cultural Fest "Traction"



Dandiya Night

## Training and Placement

The training and placement centre of USME works in collaboration with the Training and Placement Department of DTU. The USME centre is headed by Prof. Nidhi Maheshwari, with Prof. Harleen Kaur coordinating placement for MBA while Prof. Puneet Kumar Arora and Prof. Varsha Sahgal look after undergraduate placement and training. The placement process is, like all premier institutions, a student-run affair, working under the guidance of the faculty coordinators. The team of training and placement cell acts as an interface between the industry and students, and provides counselling, practical assistance and runs programs, to help develop students in various spheres, so that they can achieve their aspirations. The centre also helps students in getting internships and short duration industry projects. Industry experts are invited to groom the students according to the industry specific requirements. The cell organizes career guidance Programmes for all the students from first semester onwards. To enrich the professional competencies of the students there are assessment centers which includes activities like personality profiling, mock interviews, group discussions, business simulations. Along with the placement activities the cell is collecting feedback from industry about performance of students employed and transmitting the same appropriately for corrective actions.

## Corporate Engagement Week: 2020-21

To bridge the gap between ambitious students and esteemed recruiters amidst the Covid pandemic, the placement cell of USME-DTU with the three other pioneering state universities of the Delhi government, namely NSUT, AUD, and IGDTUW organised a virtual Corporate Engagement Week. The event saw participation from 69 companies, with over 638 registered students receiving over 625 offers. Over 350 USME students availed the offers made to them.



Internship Fair: 2019-20

USME organised its first-ever start-up conclave on February 17, 2020 and a 3-day inter-college internship fair from February 18, 2020 to February 20, 2020.

The start-up conclave provided a platform to eminent entrepreneurs to share their journey, current strategies, challenges faced and future plans. Prof. Yogesh Singh, Hon'ble Vice Chancellor, DTU presided over the function and delivered the inaugural address. Some of the prominent speakers at the conclave were Mr. Sharad Sagar, Founder and CEO, Dexterity Global; Joe Madiath, Founder and Executive Director, Gram Vikas and Mr. Sandro Stephen, Regional Head, Indian Angel Network. The conclave was aimed towards encouraging entrepreneurial activity among students.

The inter-college Internship Fair' 2020 witnessed more than 1,700 registrations from students across the country. Around 35 companies participated in the same and rolled out more than 300 offers in the domains of finance, research, sales, digital marketing, business development etc. A series of leadership lectures by successful HR professionals were also conducted throughout the fair.

## Our Past Recruiters



## About MA (Economics) Programme

The MA (Economics) programme aims to provide a sound understanding of core, pure and applied economics. The two-year programme is structured in 4 semesters. While students study economics in considerable depth in this specialized degree, students also apply ideas and techniques from many other disciplines too; including analytics and management.

Some of the other features of the programme include:

- A practice-based and data analytics-focused curriculum
- Strong base in economic theory and cutting-edge emerging streams -Behavioural Economics, GIS and Remote Sensing, Spatial Econometrics, Energy Economics, Health Economics, Analytics, Applied Quantitative Finance, Emerging Financial Markets
- Opportunity to study up to 3 electives from MBA (Business Analytics) and 4 optional audit courses in management (MBA)
- Mandatory workshops on key economic/financial databases (NSSO, NFHS, ASI, CMIE, Eikon)
- Data extraction, visualization, analytics, modelling, simulation – multiple courses and hands-on lab-based workshops; primary data collection and analysis skill development workshops

- Immersive industry exposure through projects and interactions
- Strong base to help make a career in corporate and analytics as well as research and further studies in Economics

| First Semester  | Second Semester   |
|---|---|
| MAEC 101: Microeconomics I                              | MAEC 201: Microeconomics II                             |
| MAEC 102: Macroeconomics I                              | MAEC 202: Macroeconomics II                             |
| MAEC 103: Mathematical Methods in Economics I           | MAEC 203: Mathematical Methods in Economics II          |
| MAEC 104: Introduction to Statistics and Econometrics   | MAEC 204: Econometric Methods                           |
| MAEC 105: Introduction to R                             | MAEW 205: Econometric Analysis with R                   |
| MAEW 101: Workshop (Compulsory)                         | MAEW 201: Workshop (Compulsory)                         |
| Optional Audit Course from MBA/MBA (Business Analytics) | Optional Audit Course from MBA/MBA (Business Analytics) |

| Third Semester  | Fourth Semester  |
|---|--|
| MAEC 301: Indian Economy                                | MAEC 401: Contemporary Issues in Development Economics |
| MAEC 302: Development Economics                         | MAEC 402: Dissertation                                 |
| MAEC 303: Dissertation                                  | MAEW 401: Workshop (Compulsory)                        |
| MAEW 301: Workshop (Compulsory)                         | MAED 4xx: DSE III                                      |
| MAED 3xx: DSE I   | MAED 4xx: DSE IV                                       |
| MAED 3xx: DSE II  | MAEG 4xx: Any course from MBA/MBA (BA)/MOOC            |
| MAED 3xx: Any course from MBA/MBA (BA) /MOOC            | MAEG 4xx: Any course from MBA/MBA (BA)/MOOC            |
| Optional Audit Course from MBA/MBA (Business Analytics) | Optional Audit Course from MBA/MBA (BA)                |

**List of Discipline Specific Electives for Semester III**  
**(Students need to choose any two courses – DSE I and DSE II**  
**from the list below)**

|   |  |
|---|--|
| <p><b>1. Microeconomics</b><br/>           MAED 301: Game Theory 1<br/>           MAED 302: Industrial Organisation 1</p>   | <p><b>1 Microeconomics</b><br/>           MAED 314: Game Theory 2<br/>           MAED 315: Industrial Organisation 2</p>   |
| <p><b>2. Macroeconomics</b><br/>           MAED 303: Dynamic Macroeconomics<br/>           MAED 304: Macroeconomics of Development</p>  | <p><b>2 Macroeconomics</b><br/>           MAED 316: Monetary Theory and Policy<br/>           MAED 317: International Macroeconomics</p>   |
| <p><b>3. History of Economic Thought</b><br/>           MAED 305: Evolution of Economic Ideas<br/>           MAED 306: Political Economy</p>  | <p><b>4 Econometric Methods and Applications</b><br/>           MAED 318: Spatial Econometrics<br/>           MAED 319: Panel Data Econometrics<br/><br/>           MAED 320: Advanced forecasting methods</p>   |
| <p><b>4. Econometric Methods and Applications</b><br/>           MAED 307: Microeconometrics<br/>           MAED 308: Time Series Analysis</p>  | <p><b>5 New Streams in Applied Economics</b><br/>           MAED 321: Energy Economics<br/>           MAED 322: Labour Economics<br/>           MAED 323: Financial Economics<br/>           MAED 324: Law and Economics<br/>           MAED 325: Remote Sensing and GIS<br/>           MAED 326: International Trade<br/>           MAED 327: Public Economics<br/>           MAED 328: International Finance</p> |
| <p><b>5. New Streams in Applied Economics</b><br/>           MAED 309: Environmental Economics<br/>           MAED 310: Health Economics<br/>           MAED 311: Behavioural Economics<br/>           MAED312: Experimental Economics<br/>           MAED 313: Corporate Finance<br/>           MAED 314: Economics of Education</p> |  |

# Faculty At University School Of Management And Entrepreneurship

## Discipline Management



**Prof. Amit Mookerjee**

*Professor, Management, and Head, USME*

*Director East Delhi Campus*

Dr. Amit Mookerjee joined USME in Feb, 2021. Prior to this he was Professor, Indian Institute of Management Lucknow (IIM-L), for over fifteen years, and served as Dean, IIM Lucknow's Noida Campus; the BPCL Research Chair Professor (2009-10); served on the Board of B-Schools, the IIML Enterprise Incubator Ltd, and others; was Head Analytics and Research/ later Director, CMCR at the National Council for Applied Economic Research (NCAER – India's premier think tank). He taught for nearly a decade at MDI, Gurgaon and delivered courses at other IIMs like Kolkata, Raipur, etc, and India specific programs for leading global B Schools. His consulting, research and training services span organisations across diverse sectors in industry (telecom, IT, FMCG, durables, finance and insurance, banking); PSUs and private organisations in core sectors; development sector research/projects for NORAD, GTI (earlier GTZ), Norwegian Government, FICCI; cooperative sector such as NAFED. His interest area is customer experience, building customer profitability and entrepreneurship and venture development. He has contributed papers in respected international journals like MIP, JCM, Media Psychology, a text book on Consumer Behaviour, presented papers in more than 20 international conferences overseas and in India. He completed his BA (Economics, Psychology), MBA, and a PhD in Management, from the ML Sukhadia University, Udaipur.



**Prof. (Dr.) Manoj Kumar Sharma**

*Professor (Visiting)*

Dr. Manoj Kumar Sharma is an alumnus of Delhi College of Engineering and IIT Delhi, having Bachelor and Masters Degree In Engineering with First Class with Distinction, MBA and Ph.D. in Management (Strategic Management and Telecom area) from IIT Delhi. He has experience of 29 years in various capacities as a contributor and learner, in Academics, Industry and Government as Teacher, Manager, Advisor, National Policy Analyst. Currently, he is Full-Time Visiting Professor in areas of Strategic Management, Innovation, Entrepreneurship and New Venture Development at University School of Management and Entrepreneurship, DTU East Delhi Campus of Delhi Technological University (Established by Govt. of NCT of Delhi) and Committee Member for framing 'Startup Policy of Govt. of NCT of Delhi'.

Prof. Sharma has served Department of Management Studies (DSM), Indian Institute of Technology Delhi (IIT Delhi) / He is on Expert panel for selection of senior faculty in area of "Strategy" for leading business school of India / His other academic work & related Experience includes Honorary Professorships at IIMs / National Academy for Training for Social Security and Research, Ministry of Labour & Employment, Govt. of India / Department of Personal and Training (Govt. of India).

Dr. Sharma has written research papers in peer reviewed Journal (SpringerNature), Book Chapters in (SpringerNature), Chaired, many International conferences in many countries. Dr. Sharma has also served in Government as Advisor (IT & E-Governance) (NOIDA, Govt. of UP / Member of the National Council (NCVT, an apex policy making body), Ministry of Labour & Employment, Govt. of India/ In corporate on board of directors of companies / CEO of DTU Innovation and Incubation Foundation (Section 8 Company) promoted by Delhi Technological University (Established by Govt. of NCT of Delhi)/Officer on Special Duty (OSD) and later Associate Director of DTU East Delhi Campus of Delhi Technological University-DTU (Established by Govt. of NCT of Delhi). He is selected as 'Mentor of change' by NITI Aayog, Government of India. His passion is to interact with brilliant minds who can change the world in all possible positive ways.





**Dr. Sanjay Bhattacharya**

*Professor (Visiting)*

Dr. Sanjay Bhattacharya is Professor, Management, USME. He is an instructor, practitioner, researcher and trainer specializing in Strategy, Project Management and Competitiveness. He is a PhD from the Department of Management Studies at IIT Delhi. He has been actively involved in teaching Strategy, Technology Innovation, Construction and Project Management subjects to Graduate and Post-Graduate students in the areas related to Business Management, Infrastructure and Built Environment. He has taught at Guru Gobind Singh Indraprastha University, RICS School of Built Environment and Jaipuria Institute of Management. He holds a Master Degree in Construction Management as well as Bachelors in Architecture both from reputed IITs..

He has also published research papers in several reputable international journals, and his current research interests pertain to applications of 4IR Technologies, Digital Transformation, Design Thinking, Competitiveness, Sustainability, Growth Strategies and Technology innovation. Professionally, he has a rich Industry experience of over two decades, involving projects design and execution in India and Middle East countries. He has been a member of Professional/ Industry bodies like CoAI, PMI, RICS and IGBC.



**Dr. Rakesh Shankar Jha**

*Professor (Visiting)*

Dr. Rakesh Jha is a Professor, Management, USME. He has 36 year Corporate work experience in Marketing, Management of Distribution Channels, Business Development. Key Account Management, Post Supply Service, Training and Sales. Prior to this he was a visiting Faculty at Delhi Technological University – DSM, NSUT, IP University and All India Management Association (AIMA). He has many research papers to his credit. His research area includes Management of Distribution Channels.



**Mr. S M ROUNAQUE MUSTAFA**

*Visiting Faculty*

Mr. Mustafa is a former CEO, IIM Lucknow Enterprise Incubation Center. He is a passionate startup coach, incubation and early stage venture funding professional with 20+ years experience of promoting startups and venture funding in India and neighboring countries.

He had setup IIM Lucknow Incubation Center as founder CEO with the support of DST Govt of India and other 4 TBIs in India during his employment at other universities and colleges. He incubated 300+ startups and trained 10,000+ aspiring entrepreneurs / startups through workshops and training programs. He has managed SEED corpus of more than 200+ crores so far and helped startups to raise SEED to Series 'A' fund through Angels, VCs & CVCs. He has worked on the PPP program of many national and global organizations engaged in the promotion of SMEs and startups such as UNDP, InfoDev, NSTEDB-DST, Lockheed Martin, Indo US S&T Forum, DC-MŞME, BIRAC, DeiTY, TePP, DSIR, AIC-NITI Aayog etc.

He is currently working on Open innovation & Corporate Venturing programs to transform the startup ecosystem in India and also advised to many Indian PSUs and corporates for launching its corporate venturing program & corporate venture capital fund for promoting innovations & startups such as HPCL, ONGC, GAIL, NFL, BHEL etc. He has graduation in English, Post Graduate Diploma in Computer Application, Master in Business Administration from India and a Certificate course on Entrepreneurship Curriculum Development from University of California, Berkeley, USA.

His area of interest includes Entrepreneur development, Open innovation, Corporate venturing, Technology commercialisation, Business modelling, Growth Hacking strategy for startups in new emerging economy, Startup Investment transaction, Entrepreneurial leadership development and Managing stakeholder & Board affairs etc.



**Dr. Anshul Ujlayan**

*Visiting Faculty*

Dr Anshul Ujlayan is a visiting faculty at USME, DTU and responsible for teaching advanced analytics, machine learning and AI. He holds a B.S. and M.Sc in Applied Statistics and Ph.D in Management [Operations]. He has worked at numerous fortune 500 companies and served in key roles as Analytics head, Sr. Data Scientist/Engineer/Architect reporting directly to the CTO/CSO. He holds multiple certifications on AWS Architecture, NLP/NLG platforms, and Advanced Scientific Programming from IIT Bombay. Throughout his entire career he focused on developing and deploying cutting-edge AI solutions across multiple domains/verticals, like life sciences and Government Initiatives. He has been responsible for artificial intelligence / machine learning technology and application analysis to develop new ideas and apply AI/ML to specific product challenges across operations teams. Implemented the Graph Analytics Based Solution to solve different businesses in various Domains. Delivered Various Technology lectures and conducted AI & ML workshops in Tier-1 and Tier-2 Institutes.



**Dr. Nidhi Maheshwari**

*Associate Professor and Associate Head, USME*

Dr. Nidhi Maheshwari has been in the research and teaching profession for more than nineteen years. She has completed her PhD and LL.B. degree from Mohan Lal Sukhadiya University, Rajasthan. She also holds an MBA degree from Banasthali Vidyapeeth. During her doctoral studies in the area of Emotional and Spiritual quotient, she had widely published papers in refereed international and national journals. She has authored 30 papers/book chapters/research, research-based teaching cases in HRM. Her management cases are being sold at the European Case Clearing house and Emerald Publishing, one of which is in the 'Most Popular' category and received the Emerald Highly Commended Paper Award. Recently, she was awarded with the "Best research paper" in the IIM- Shillong Sustainability conference (2015). Two PhD scholars have completed doctoral research under her supervision.

She has delivered MDPs for senior and middle level corporate managers in the area of soft skill and HRM. She is empanelled as Soft Skill Trainer for Engineers India Limited. She has conducted MDP Programs for IFFCO, Indian Oil Corporation, National Seeds Corporation, ITDC, NHPC, NTPC, KDK Software, Shree Cement, J.K. Cement, Unitech Pvt. Ltd, Indian Aviation Academy, GAIL, Punjab National Bank, IREDA, Power Grid, ONGC, National Institute of Solar Energy, Indian Institute of Public Administration etc.



**Ms. Harleen Kaur**

*Assistant Professor*

Ms. Harleen Kaur is an Assistant Professor at USME, DTU. She holds a PGDM from Indian Institute of Management Calcutta (IIM C) and a B.Tech (IT) from Delhi College of Engineering (now DTU). She began her marketing career with Pepsico India and has worked with leading brands - Mountain Dew, Mirinda and Pepsi. She is currently pursuing doctoral studies from the Faculty of Management Studies, University of Delhi and has been awarded the Junior Research Fellowship (UGC NET-JRF). Her research interests include brand strategy, consumer psychology and consumer brand relationships.



**Mr. Anurag Chaturvedi**

*Assistant Professor*

Anurag Chaturvedi is Assistant Professor at USME, DTU. He has close to 3.5 years of industrial experience with leading automobile company Tata Motors in Marketing & Operations and IHS Markit in the financial derivatives segment. He has done his MBA from Delhi School of Management, B. Tech in Electronics and Communication Engineering from NIT Surat and has been awarded the Junior Research Fellowship (NET-JRF). Currently, he is holding the posts of Cultural Committee Coordinator, MBA Coordinator, faculty advisor for Finance and IT Clubs, and member of IT, Infrastructure and Library Committee.



**Dr. Naval Garg**

*Assistant Professor*

Dr. Naval Garg is Assistant Professor (HR) at USME, DTU. His academic credentials are MBA, M.Com, Ph.D., NET (Management & Commerce). He is also a fellow of the Insurance Institute of India. He has more than forty research papers published in various national and international journals. His areas of research and training interest are workplace spirituality, gratitude, business ethics, and human-machine interaction. He also holds more than 6 years of corporate experience.



**Ms. Pallavi Sethi**  
*Assistant Professor*

Pallavi Sethi is Assistant Professor at USME, DTU. She was previously associated with Shaheed Bhagat Singh College, Delhi University as Assistant Professor for more than ten years. She has completed her M.Phil (Accounting), M.Com and B.Com(Hons.) from University of Delhi and is currently pursuing her Ph.D from Delhi Technological University in the area of finance. Her areas of interest include Financial and Management Accounting and Corporate Finance.



**Ms. Priya Malhotra**  
*Assistant Professor*

Priya Malhotra is an Assistant Professor in the area of Finance at USME, DTU. She is an MBA in Finance & Marketing from the Faculty of Management Studies (FMS), University of Delhi. She has prior teaching experience in the department of Commerce, Shri Ram College of Commerce (SRCC), University of Delhi. She also has a rich industry experience of more than 6 years and has been associated with ICICI Bank Ltd & Barclays Bank in international private banking segment. She is currently pursuing doctorate from Faculty of Management Studies (FMS), Delhi.



**Ms. Varsha Sehgal**  
*Assistant Professor*

Varsha Sehgal is an Assistant Professor at USME, DTU in the area of strategy management. She has close to 6 years of industry experience in multinational firms as Fiserv and Infosys. She has done her M.B.A from IIT Madras and B. Tech from Punjab Technical University Jalandhar. Her areas of interest include Strategy Management, Information Technology as well as Business Analytics. She is particularly interested in Frugal Innovations and how they can be leveraged to benefit society.



**Dr. Kusum Lata**

*Assistant Professor*

Dr. Kusum Lata is Assistant Professor at USME, DTU. She has done her B.Tech in Computer Science and Engineering from Punjab Technical University, Punjab and Master of Engineering in Computer Technology and Applications from Delhi College of Engineering Delhi University. She has completed her Ph.D. in Computer Science and Engineering from Delhi Technological University. She has qualified UGC-NET in Computer Science and Applications. She has more than 15 years of teaching experience. She has published papers in reputed international journals and conferences. Her area of interest includes Data Mining, Machine Learning, Data Analytics, Database Management Systems, Improving Software Quality, Definition and Validation of Software Metrics.



**Dr. Deepti Aggrawal**

*Assistant Professor*

Dr. Deepti Aggrawal is currently working as an Assistant Professor at USME, DTU. She is UGC-NET qualified in Management and holds a Ph.D. in Operational Research from University of Delhi. She brings in-rich experience of around 7 years in varied fields of Education, Banking, Analytics & Quantitative techniques. She has published several articles in journals of international repute. Her research area includes Innovation Adoption and Technology Diffusion Modeling & Optimization in Marketing, modeling in software reliability engineering and applications of multi-criteria decision making techniques for solving real life problems. She has co-authored one text-book entitled " Market Assessment with OR Applications" published by CRC Press, Taylor & Francis group. She is a life member of Society for Reliability, Engineering, Quality and Operations Management.



**Dr. Gaganmeet Kaur Awal**

*Assistant Professor*

Dr. Gaganmeet Kaur Awal is Assistant Professor at USME, DTU. She holds a PhD from School of Computer and Systems Sciences, Jawaharlal Nehru University. She has completed M.Tech (CST) from JNU and B. Tech (CSE) from GGSIPU, Delhi. She is UGC-NET qualified and has been awarded the prestigious DST Inspire Fellowship from Ministry of Science and Technology, Govt. of India. She has teaching experience at Shaheed Sukhdev College of Business Studies, University of Delhi and Jaypee Institute of Information Technology, Noida. She has published papers in reputed international journals and conferences. Her research interests include Data Analytics and DBMS, Machine Learning, Collective Intelligence and Web Analytics.

## **Discipline: Economics**



**Prof. Khan Masood Ahmad**

*Professor Emeritus*

Prof Khan Masood Ahmad is a PhD from the Delhi School of Economics. He was formerly the Vice Chancellor of Khwaja Moinuddin Chishti Urdu, Arabi-Farsi University (U.P. State Government University), Lucknow, Uttar Pradesh, India from June 2014 to June 2017. He has been a Professor of Economics for the last 20 years at Jamia Millia Islamia University, New Delhi, Head of the Department of Economics and Dean, Faculty of Social Sciences. His areas of specialization are international finance and banking, applied econometrics and macroeconomics.



**Prof. K.V. Bhanu Murthy**

*Professor (Adjunct)*

Prof. K. V. Bhanu Murthy is a PhD from Delhi School of Economics. He was the former Dean of Faculty of Commerce and Business Delhi University. His areas include banking and finance, international business and corporate responsibility. He has done 2 international and 10 national projects. He has 3 international books, 30 chapters in reputed volumes and over 200 papers in all. SSRN rates him at 99.1 percentile amongst 3,72,000 economists in the world. He has over 25 best paper awards with 6 in international conferences. He has several recognitions including Dewang Mehta award for outstanding contributions to education and Shiksha Ratan Puruskar.



**Ms. Aakanksha Kaushik**

*Assistant Professor*

Aakanksha Kaushik is Assistant Professor at USME, DTU. She worked as Assistant Professor in an ad hoc capacity at the University of Delhi. She has completed B.A. (H) Economics from the University of Delhi; M.A (Financial Economics) from Gokhale Institute of Politics and Economics; M.Phil. (Economics) from the Jawaharlal Nehru University. She has written articles for several newspapers and magazines. Her areas of interest include public finance, development economics, and microeconomics.





**Dr. Rajesh Sharma**

*Assistant Professor*

Rajesh Sharma is Assistant Professor in the area of Economics at USME, DTU. He has completed Masters in Economics from Panjab University. He has completed Ph.D. in the discipline of Economics from Indian Institute of Technology Ropar, Punjab. He has contributed several research papers in SCI/SCIE/SSCI indexed journals published by reputed publishers such as Springer, Elsevier, Oxford University Press, Wiley and Sage Publications. His areas of research include Health Economics, Chronic Disease Epidemiology, Global Health and Development Economics. He is currently in the editorial board of the journal BMC Public Health and guest associate editor for a special issue in the journal Frontiers in Public Health.



**Mr. Puneet Kumar Arora**

*Assistant Professor*

Puneet Kumar Arora is Assistant Professor at USME, DTU. He was previously associated with India Infrastructure Publishing, where he tracked the Indian telecom and renewable energy sectors. He holds a bachelor's degree in economics from Hansraj College, University of Delhi and master's degree in economics from Jamia Millia Islamia, New Delhi. He is pursuing Ph.D. in economics and trade policy from Indian Institute of Foreign Trade, New Delhi. His areas of interest include development economics and international trade.



**Mr. Virender Kumar**

*Assistant Professor*

Virender Kumar is an Assistant Professor at USME, DTU. Previously, he was working as an Assistant Professor in Shri Ram College of Commerce, University of Delhi. He has completed M.A. (Economics) and M.Phil. (Economics) from Delhi School of Economics, and is pursuing PhD in Economics from Delhi School of Economics, University of Delhi. His research areas include International Capital Flows, Time Series Econometrics and Monetary Policy.



**Dr. Ratnam Mishra**

*Assistant Professor*

Dr. Ratnam Mishra is an Assistant Professor at USME, DTU. She has done her masters in Economics from Dr RML Awadh University, Faizabad. She has completed M. Phil and PhD in Economics from Jawaharlal Nehru University (JNU). She has ten years of teaching experience with JRF in Economics. Her research areas includes Economics of Education, International Migration, Entrepreneurship and Skill development and vocational education.

## Admission Eligibility for MA (Economics):

- The candidate must be a graduate in any discipline with at least 50% marks or equivalent CGPA from a recognised university.
- Candidates belonging to the SC/ST/PwD categories will be eligible for a 5% relaxation in the minimum marks criterion.
- In case the conversion formula is not provided by the concerned University/Institution, the equivalent percentage will be computed as per the DTU Guidelines i.e, Percentage of Marks = 10 x CGPA
- Candidates who are in the final year of graduation are also eligible to apply, provided they submit the proof of eligibility by a specific date to be decided by the Admission Committee, failing which their admission will be cancelled.
- There is no age limit for applying to the programme.

## Admission criteria

The merit list shall be drawn on the basis of performance in an entrance test. To resolve and determine inter-se merit of candidates having same score in the DTU Entrance Test, the following criterion will be used in the stated order of preference:

1. Date of birth will be compared and elder candidate will be given preference
2. In ~~highly unlikely~~<sup>the</sup> event of date of birth being same, then rank will be decided on the basis of marks/CGPA obtained in the qualifying degree.

## Details of Entrance Test

| Section  | Nature of Questions  | Number of Questions | Marks for each Question  | Section-wise Maximum Marks |
|----------|--|---------------------|--|----------------------------|
| <b>A</b> | Multiple Choice Questions on General Economic Issues   | <b>20</b>           | 4 Marks for each correct answer, 1 mark to be deducted for each incorrect answer | <b>80</b>                  |
| <b>B</b> | Multiple Choice Questions on Economics/ Mathematics depending on the student's choice as indicated in the application form | <b>40</b>           |  | <b>160</b>                 |
|          |  |                     | <b>Total</b>   | <b>240 Marks</b>           |

**Note:** Candidates will be asked to choose between Economics and Mathematics for Section B in the application form. The syllabus for the entrance test is detailed in Annexure 8 of this brochure.

**In view of the ongoing Covid19 pandemic in the country, the mode of conducting the Entrance Test shall be one of the following depending upon situation at the time of test:**

- I. OMR-based pen-paper type at DTU Campus
- II. Computer-based test at DTU Campus
- II. AI & manually proctored online examination
- II. Any other mode as per the situation

**The exact mode and date of the entrance examination shall be posted on the University Website prior to the entrance test. Students are advised to check DTU website regularly for updates and additional information.**

## Seat Matrix

| Category               |                  | Number of Seats |
|------------------------|------------------|-----------------|
| General (GN)           | Open             | 22              |
|                        | PwD              | 1               |
|                        | Defence (CW)     | 1               |
| <b>Total GN Seats</b>  |                  | <b>24</b>       |
| SC                     | SC               | 9               |
|                        | SC-PwD           | 0               |
|                        | SC-Defence (CW)  | 0               |
| <b>Total SC Seats</b>  |                  | <b>9</b>        |
| ST                     | ST               | 5               |
|                        | ST-PwD           | 0               |
|                        | ST-Defence (CW)  | 0               |
| <b>Total ST Seats</b>  |                  | <b>5</b>        |
| OBC                    | OBC              | 14              |
|                        | OBC-PwD          | 1               |
|                        | OBC-Defence (CW) | 1               |
| <b>Total OBC Seats</b> |                  | <b>16</b>       |
| EWS                    | EWS              | 6               |
|                        | EWS-PwD          | 0               |
|                        | EWS-Defence (CW) | 0               |
| <b>Total EWS Seats</b> |                  | <b>6</b>        |
| <b>Total Seats</b>     |                  | <b>60</b>       |

One supernumerary seat each is reserved for Kashmiri Migrants and Single Girl Child over and above the total intake.

## Reservation Policy

**a) Scheduled Caste (SC):** 15% of the total seats are reserved for Scheduled Caste candidates.

**b) Scheduled Tribe (ST):** 7.5% of the total seats are reserved for Scheduled Tribe candidates.

**c) Other Backward Class (OBC- NCL):** 27% of the total seats are reserved for Other Backward Class (Non-Creamy Layer) candidates.

**d) Economically Weaker Section (EWS):** 10% of the total seats are reserved for Economically Weaker Section candidates

**Sub-categories namely "Defence" and "Person with Disability" are available under each category (General, SC, ST, OBC-NCL, EWS)**

**e) Defence Personnel:** 5% of the total seats (Horizontal) in each category are reserved for candidates belonging to Defence sub-category in the following priority

**Priority I** - Widows/Wards of Defence Personnel killed in action.

**Priority II** – Wards of disabled in action and boarded out from service.

**Priority III** - Widows/wards of Defence Personnel who died in peace time with death attributable to military service.

**Priority IV** - Wards of disabled in service and boarded out from service with disability attributed to military service.

**Priority V** - Wards of serving defence personnel and ex-servicemen who are in receipt of the following Gallantry Awards: 1. Param Vir Chakra 2. Ashok Chakra 3. Mahavir Chakra 4. Kirti Chakra 5. Vir Chakra 6. Shaurya Chakra 7. Sena/ NauSena/ Vayu Sena Medal 8. Mention-in-Despatches

**Priority VI** – Wards of Ex-servicemen.

**Priority VII** – Wives of

i. Defence personnel disabled in action and boarded out from service

ii. Defence personnel disabled in service and boarded with disability attributable to military service

iii. Ex-servicemen and serving personnel who are in receipt of Gallantry awards.

**Priority VIII** – Wards of serving personnel.

**Priority IX** - Wives of serving personnel.

**f) Person with Disability (PD):** 5% of the total seats in each category are reserved for candidates belonging to 'Person with Disability' sub-category

**g) Kashmiri Migrants (KM) Supernumerary:** One seat over and above the total intake in each course, is available under this category.

**h) Single Girl (SG) Child Supernumerary:** One seat in each course over and above the normal intake is reserved for single girl child candidate (girl having no brother and sister alive)

### Seat Conversion Rules:

a) After exhausting the complete list of PwD and CW categories, the vacant seats in these sub-categories will be transferred to the respective main category (GEN/SC/ST/OBC/EWS)

b) After exhausting the complete list of SC, ST, OBC and EWS categories, the vacant seats will be treated as unreserved in the Spot Round. The conversion of vacant seats will be done only in the Spot Round as per the following procedure:

I. If the complete list of ST candidates exhausts, then the remaining vacant seats under this category will be filled from the list of SC category candidates or vice-versa as per merit.

II. If the complete list of SC/ST candidates exhausts, then the remaining vacant seats under this category will be filled by creating equal number of seats in the General Category as per merit.

III. If the complete list of EWS candidates exhausts, then the remaining vacant seats under this category will be filled from the list of General category candidates as per merit.

IV. If the complete list of OBC candidates exhausts, then the remaining vacant seats under this category will be filled from the list of General category candidates as per merit.

### Application Process

- Interested candidates are required to fill the online application form available on [www.dtu.ac.in](http://www.dtu.ac.in).
- The candidates are required to fill the online application form and make an online payment of Rs. 1,500/- (one thousand five hundred only).
- Incomplete application, due to any reason, is liable for rejection by the University.

## Fee Structure

The annual fee of the MA (Economics) programme will have to be deposited by the candidate at the time of admission. Candidates must note that the admission fee must be paid in single instalment failing which the admission offer will be withdrawn immediately.

If the admission fee is not paid within the stipulated date, then the offer of admission given to them will be withdrawn automatically and the seat will be offered to the next eligible candidate.

| S. no. | Particulars  | Fee in A.Y. 2022-23<br>1st Year (Rs.) | Fee in A.Y. 2023-24<br>2nd Year (Rs.) |
|--------|--|---------------------------------------|---------------------------------------|
| 1      | Tuition Fee  | 16,000                                | 20,000                                |
| 2      | <b>Non Government Component</b>  |                                       |                                       |
| 2.1    | Student welfare Fee ( Co- Curricular activities, extra-curricular activities, Annual gathering, Students welfare, Institutional development, Outsourcing, Conference, Seminar, Workshop, Innovative projects, Skill development activities and miscellaneous expenditure on unspecified items) | 8,000                                 | 10,000                                |
| 2.2    | Facilities & Services charges (Research initiatives, training programmes, Awards, automation facilities, entrepreneurship activities and any misc. expenditure on unspecified items)   | 1,500                                 | 1,500                                 |
| 2.3    | Economically weaker section fund   | 4,000                                 | 5,000                                 |
| 2.4    | Examination fee (Examination infrastructure strengthening, expenditure on examination activities, confidential printing etc.)  | 4,000                                 | 5,000                                 |
| 2.5    | Premium amount for mediclaim of student(per-annum)   | 700                                   | 700                                   |
|        | <b>Total</b>   | <b>34,200</b>                         | <b>42,200</b>                         |

### Withdrawal/refund Policy

The Withdrawal/Refund Policy will be  
intimated on the official Website

**[www.dtu.ac.in](http://www.dtu.ac.in)**



## Documents Required at The Time of Admission

Following is the list of documents required at the time of verification of documents, in the following order:

1. Print-out of the online application form duly signed by the candidate
2. All mark sheets and certificate of the qualifying examination (Graduation)
3. Date of Birth Certificate as indicated in High School or equivalent examination i.e. Class X
4. Reserved category / sub-category Certificates, if applicable (The format for the same has been appended)

**Note:** The name on the certificate, 12th mark sheet and caste certificate should be exactly same, otherwise an affidavit for the same has to be produced.

- The original documents are to be provided along with the self-attested photocopies of the same in the same order.
- The timing and venue for document verification will be displayed on the DTU website.

## Certificates Required for Reserved Seats at The Time of Document Verification

Candidates applying for any reserved seat (i.e. SC, ST, OBC-NCL, CW, PD, KM, SG, EWS) must produce the original certificates (as applicable) as mentioned below at the time of document verification.

**(i) Scheduled Caste (SC)/Scheduled Tribe (ST) /Other Backward Class (OBCNCL):** For admission to a seat reserved for Scheduled Caste/Scheduled Tribe/Other Backward Class (NCL), candidate must produce a certificate, in original, issued from an approved district authority stating the Scheduled Caste/ Scheduled Tribe/ Other Backward Class (NCL), to which the candidate belongs. A list of approved authorities is given below:

- a. District Magistrate / Additional Magistrate / Deputy Commissioner / Collector / Additional Deputy Commissioner / Deputy Collector / 1st Class Stipendiary Magistrate / City Magistrate (not below the rank of 1st Class Stipendiary Magistrate), Sub-Divisional Magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner.
- b. Revenue Officer not below the rank of Tehsildar.
- c. Sub-Divisional Officer of the area where the candidates and/or his/her family normally resides
- d. Administrator/Secretary to Administration/Development Officer (Laccadive & Minicoy Islands).

## Note:

1. The candidate seeking admission under reserved categories has to mandatorily produce the caste/category certificate in his/her name at the time of counselling. The certificate in the name of either of the parents (mother/father) or any other family member is not acceptable and the candidate will not be entitled even for provisional admission.
2. The reservation certificate should be issued from the respective state/region in which the reservation is being claimed, e.g. in case, a candidate claims the seat reserved for the Delhi Region category, he/she has to bring SC/ST/OBC certificate issued by Govt. of NCT of Delhi and should have also passed his/her qualifying examination from a School / College / Institute located in National Capital Territory of Delhi.
3. OBC (NCL) candidates are required to produce a caste certificate issued after March 31, 2022 from the authorities as mentioned above. However, if the certificate is issued prior to March 31, 2022, it must be accompanied with an additional certificate regarding the present non-creamy layer status of the candidate, issued by the same competent authority. This additional certificate must have reference of his / her already issued original caste certificate.

**(ii) Defence Personnel:** For admission to a seat reserved for Defence subcategory, candidate must produce the following certificates (as applicable), in original, at the time of document verification:

- a. Entitlement card in original issued by the Record Officer of the Unit/Regiment of Armed Personnel of the Armed Forces in case of Armed Personnel or from the Home Ministry in case of Para-Military forces.
- b. Widows/ Wards of the officers and men of Armed forces including Para-Military personnel who died or disabled on duty (both attributable to military service) must produce a certificate to that effect from the following authorities.
  - i. Secretary, Kendriya Sainik Board.
  - ii. Secretary, Rajya/Zila Sainik Board.
  - iii. Officer-in-Charge, Record Office.

In case of Para-Military forces appropriate documents/certificates issued by Competent Authority notified in this regard by the Para-Military forces headquarters must be produced. A statement to the effect that "the death/physical disability (percentage to be mentioned) is attributed to military service" is required to be included in the certificate.

- c. Medical records in original.
- d. Special Pension Order and Passbook indicating special pension.
- e. Gallantry award certificate.

- f. Original ex-servicemen Identity Card/Discharge Book/ Pension Payment Order.
- g. Dependency card issued by the competent authority in order to relate the relationship of the candidate with the Defence personnel/gallantry award recipient.
- h. Original Service Identity Card
- i. A certificate from the respective C.O. Unit in respect of serving personnel

(Priority VII).

**NOTE:** A statement to the effect that 'the death/disability is attributed to military service' is required to be included in the certificate for Priority III & IV.

**(iii) Person with Disability sub-category:** For admission to seat reserved for Differently Abled Person (PD) sub-category, the candidate must produce the following certificates in original at the time of document verification for Pdcandidates:

- a. A certificate of physical disability issued by a duly notified Medical Board of a District/Government Hospital set up for examining the physically challenged candidates under the provision of the Person with Disability (equal opportunities, protection of rights and full participation) Act 1995. The certificate should indicate the extent (i.e. percentage) of the physical handicap and should bear the Photograph of the candidate concerned. The certificate should be countersigned by one of the Doctors constituting the Board issuing the certificates.
- b. A certificate duly recommended by Vocational Rehabilitation Centre for the Handicapped, 9-11 Vikas Marg, Karkardooma, Delhi 110092.

**(iv) Kashmiri Migrants:** The candidates seeking admission under Kashmiri Migrants seats must produce the following documents, in original, at the time of document verification:

- a. Certificate of registration as Kashmiri Migrants issued by the Relief Commissioner, Jammu or Divisional Commissioner, Delhi to establish the status of the applicant as registered migrants.
- b. Provisional or original Senior School Certificate examination or an examination recognized as equivalent thereto.
- c. Mark-sheet of the Senior School Certificate Examination or an examination recognized as equivalent thereto.
- d. Secondary School Examination or an examination recognized as equivalent thereto (showing the Date of Birth).
- e. Proof of property in Kashmir of the parent of the candidate.
- f. Proof of current residence such as Ration Card, Photo Identity Card issued by the Election Commissioner, Driving License, etc.

## **(v) Single Girl Child**

For claiming admission in this category, the Father/Mother/Guardian (in case parents are deceased) shall have to submit affidavit / self-attested to this effect duly attested by area District Magistrate /Additional Magistrate / Deputy Commissioner / Collector / Additional Deputy Commissioner / Deputy Collector / 1st Class Stipendiary Magistrate / City Magistrate (not below the rank of 1st Class Stipendiary Magistrate), Sub-Divisional Magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner.

The formats of some of the required certificates are printed below for the guidance for the candidates. Separate certificates bearing the same data as specified in these sample formats are also acceptable. Original certificates, as prescribed, should be signed by the authorities mentioned therein, under the legible seal of office.

### **CERTIFICATE FOR AVAILING ADMISSION AGAINST DEFENCE QUOTA OFFICE OF THE ZILA/RAJYA SAINIK BOARD**

This is to certify that Master /Miss .....Son/daughter of .....resident of .....  
the above named officer/ JOO / OR pertains to the category marked below: -

(Select one from below)

- (a) Killed in Action on .....during.....
  - (b) Disabled in Action on ..... during.....
  - (c) Died in peace time on .....with death attributable to military service
  - (d) Disabled in peace time with disability attributable military service.
  - (e) Gallantry Award Winner (.....)
  - (f) Ex-Serviceman.
  - (g) Serving Soldier
- (Category ..... above)

Mr/Miss .....son/daughter of the above named officer/JOO/OR is eligible for Admission in DTU against the Defence quota under priority .....His/her Ex-Serviceman Widow Identity Card No. is DLH-01.....

NO. .... /

RSB

SECRETARY

(Round stamp of Office)

(Zila/Rajya Sainik Board)

## Annexure – 2

### CERTIFICATE FOR PERSON WITH DISABILITY

To be issued by Medical Board from Government Hospital

Name of the candidate: Mr./Ms.\* .....

Father's Name: .....

Permanent Address: .....

.....

Percentage loss of earning capacity (in words):

.....

Whether the candidate is otherwise able to carry on the studies of MA (Economics)

programme: .....

Name of the disease-causing handicap: .....

Whether handicap is temporary or permanent: .....

Whether handicap is progressive or non-progressive: .....

The candidate is FIT / UNFIT to pursue further studies.

(\*Strike out whichever is not applicable)

Member  
(Orthopaedic Specialist)

Principal Medical Officer

Date:

Seal of Office

#### NOTE:

1. The medical board must have one orthopaedic specialist as its member.
2. Candidate having temporary or progressive handicap will not be considered against these seats.

**SUITABILITY CERTIFICATE FOR AVAILING ADMISSION  
AGAINST PERSON WITH DISABILITY**

Certified that Shri / Km/ Smt. ....

son/daughter/wife of Shri/Smt. ....

is physically handicapped due to .....

.....

and he/she is fit for undergoing the course(s) .....

..... at East Delhi Campus, DTU.

Name & Signature of

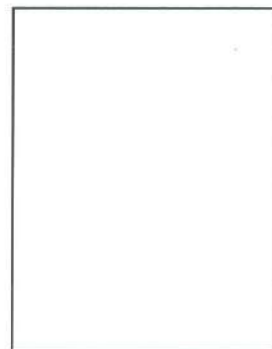
The Officer In-charge

Vocational Rehabilitation Centre

for Physically Handicapped

9,10,11Karkardooma,

VikasMarg, Delhi-110092.



## Annexure – 4

### CERTIFICATE FOR AVAILING ADMISSION AGAINST J&K MIGRANT QUOTA

Certified that Shri/Km/Smt. ....

son/daughter/wife of Shri/. ....

resident of .....

.....

is registered as migrant from Jammu & Kashmir. The Registration number is .....

..... dated ..... It is also certified that

Shri/Km/Smt. .... is registered in Delhi as J & K Migrant on

.....

Name & Signature of

Deputy Commissioner/Competent Authority

(Office Stamp)

Place: .....

Date: .....

**NOTE:** No other document then this will be accepted by the university for claiming reservation against the Kashmiri Migrant Seat.



**AFFIDAVIT FOR ONLY (SINGLE) GIRL CHILD CATEGORY  
(on non-judicial paper of Rs.20/- duly attested by 1st class Magistrate)**

I .....(name) father/mother of  
Miss ....., resident of .....  
..... (full address

to be given) do hereby, solemnly declare and affirm as under:

1 That I am a citizen of India.

2 That Miss ..... born on ..... is the only  
(Single) Girl Child of the deponent.

3 That the deponent has no living male /female Child other than the above one.

Place:

Dated:

DEPONENT  
\*\*

**VERIFICATION**

Verified that the contents of the above affidavit / self-attested are true and correct to the best of my knowledge and belief and nothing has been concealed therein.

## Annexure – 6

**GOVERNMENT OF.....**  
**(NAME & ADDRESS OF THE AUTHORITY ISSUING IN THE CERTIFICATE)**

**INCOME & ASSET CERTIFICATE TO BE PRODUCED  
BY ECONOMICALLY WEAKER SECTIONS**

Certificate No. \_\_\_\_\_

Date: \_\_\_\_\_

**VALID FOR THE YEAR** \_\_\_\_\_

This is to certify that Shri/Smt./Kumari \_\_\_\_\_ son/daughter/  
wife of \_\_\_\_\_ permanent resident of \_\_\_\_\_  
Village/Street \_\_\_\_\_ Post Office \_\_\_\_\_  
District \_\_\_\_\_ in the State/Union Territory \_\_\_\_\_ Pin Code \_\_\_\_\_

whose photograph is attested below belongs to Economically Weaker Sections, since the gross annual income\* of his/her 'family'\*\* is below Rs. 8 lakh (Rupees Eight Lakh only) for the financial year \_\_\_\_\_. His/her family does not own or possess any of the following assets\*\*\*:

- I. 5 acres of agricultural land and above;
- II. Residential flat of 1000 sq. ft. and above;
- III. Residential plot of 100 sq. yards and above in notified municipalities;
- IV. Residential plot of 200 sq. yards and above in areas other than the notified municipalities.

Shri/Smt./Kumari \_\_\_\_\_ belongs to the \_\_\_\_\_ caste which is not recognized as a Scheduled Caste, Scheduled Tribe and Other Backward Classes (Central List)

Recent  
Passport  
size attested  
Photograph

Signature with seal of Office \_\_\_\_\_

Name \_\_\_\_\_

Designation \_\_\_\_\_

\*Note1: Income covered all sources i.e. salary, agriculture, business, profession, etc.

\*\*Note2: The term "Family" for this purpose include the person, who seeks benefit of reservation, his/her parents and siblings below the age of 18 years as also his/her spouse and children below the age of 18 years.

\*\*\*Note 3: The property held by a "Family" in different locations or different places/cities have been clubbed while applying the land or property holding test to determine EWS status.

Note 4: The certificate should be issued after March 31, 2022.

**FORM FOR WITHDRAWAL OF ADMISSION**

Course .....

Name of Candidate .....

Parent /Guardian's Name .....

Communication Address .....

Telephone .....

Mobile .....

Email Address .....

12TH Board Roll No. .... Region .....

Category / Sub-category .....

**Bank Account Details**

Name of the Bank Account Holder (in favour of whom Bank Transfer is to be made)

.....

Relationship of the Bank Account Holder with the Candidate .....

Bank Detail of above person to be furnished in the given format:

| Name of the Bank | Address of the Bank | Complete Bank Account No. | IFSC CODE of the Bank Branch |
|------------------|---------------------|---------------------------|------------------------------|
|                  |                     |                           |                              |

**Undertaking**

We understand and know the refund rules of the University and agree to abide by the same and we further understand that the refund would be made in due course of time through bank transfer only as per above request.

(Signature of Parent/Guardian)

(Signature of Student)

Date: \_\_\_\_\_

Compulsory Encl.:

1. Original documents issued by the University/Institute to the candidate at the time of Admission/Counselling
2. Cancelled Cheque of CBS Bank branch, showing the details of bank A/c No., IFSC Code, beneficiary name, etc. must be attached by the concerned student along with this Withdrawal Form.

*Refund amount will directly be transferred in the bank account, submitted by the student in this form, through electronic mode (ECS/ NEFT). Therefore, student must ensure to provide correct bank account details, cancelled Cheque & the required enclosures. DTU will not be liable for any wrong transfer of amount on account of incorrect bank information provided by the student.*

## Annexure – 8

### Annexure 1: Syllabus of Entrance Test

Section A: MCQ-based Test on General Economic Issues

Section B: MCQ-based Test on Economics/Mathematics depending on the students' choice in the application form

#### Section A: Syllabus For General Economic Issues

- Current Affairs on Indian and Global Economy
- Trends in Growth and Economic Development in India, Planning and Indian development: Planning models; relation between agricultural and industrial growth; challenges faced by Indian planning
- Sustainable Development, Environmental and Resource Economics, Environmental Degradation and Regulation
- Indian economy after 1991: Balance of payments crisis in 1991; major aspects of economic reforms in India after 1991
- Reforms in trade and foreign investment
- Banking, finance and macroeconomic policies: aspects of banking in India; CRR and SLR; financial sector reforms in India
- fiscal deficit; savings and investment rates in India.
- Inequalities in social development: India's achievements in health, education and other social sectors; disparities between Indian States in human development.
- Poverty: Methodology of poverty estimation; Issues in poverty estimation in India.
- India's labour market: unemployment, labour force participation rates

#### Section B: Syllabus For Economics

##### 1. Microeconomics:

- Consumer theory - Preference; utility; budget constraint; choice; demand (ordinary and compensated); Slutsky equations; choice under risk and uncertainty; revealed preference axioms
- Production, costs with perfectly competitive markets - Technology; isoquants; production with one and more variable inputs; returns to scale; short run and long run costs; cost curves in the short run and long run; perfect competition in markets
- General equilibrium and welfare - Equilibrium and efficiency under pure exchange and production; welfare economics; theorems of welfare economics.
- Market structure - Monopoly; pricing with market power; price discrimination (first, second and third); monopolistic competition and oligopoly.
- Game theory - Strategic form games; Nash equilibrium; mixed extension and mixed strategy Nash equilibrium; iterated elimination of dominated strategies; examples: Cournot, Bertrand duopolies, Prisoner's dilemma
- Public goods and market failure - Externalities; public goods and markets with asymmetric information (adverse selection and moral hazard); VCG mechanism and transfer rules.

## 2. Macroeconomics:

- Introduction to macroeconomics and national income accounting for closed and open economy; balance of payments: current and capital account
- Money, banking and inflation, Phillips curve
- Simple Keynesian Model of income determination and the multiplier, ISLM Model
- Models of aggregate demand and aggregate supply; applications to labour market and wage determination
- Open economy macroeconomics
- Harrod-Domar, Solow and neoclassical growth models, optimal intertemporal choice for consumption saving trade-offs

## 3. Statistics:

- Probability theory, Sample spaces and events; axioms of probability and their properties; conditional probability and Bayes' rule; independent events
- Random variables and probability distributions, probability distributions; expected values and functions of random variables; properties of commonly used discrete and continuous distributions
- Random sampling; Density and distribution functions for jointly distributed random variables; computing expected values of jointly distributed random variables; covariance and correlation coefficients
- Point and interval estimation, estimation of population parameters using methods of moments and maximum likelihood procedures; properties of estimators; confidence intervals
- Hypothesis testing; distributions of test statistics; testing hypotheses related to population parameters; Type I and Type II errors; the power of a test; tests for comparing parameters from two samples

## 4. Introductory Econometrics

- Simple Linear Regression Model: Two variable case estimation of model by method of ordinary least squares; properties of estimators; goodness of fit; tests of hypotheses; scaling and units of measurement; confidence intervals; Gauss-Markov theorem; forecasting
- Multiple Linear Regression Model: Estimation of parameters; properties of OLS estimators; goodness of fit - R<sup>2</sup> and adjusted R<sup>2</sup>; partial regression coefficients; testing hypotheses – individual and joint; functional forms of regression models; qualitative (dummy) independent variables
- Violations of CLRM: Consequences, Detection and Remedies Multicollinearity; heteroscedasticity; Auto-correlation. Specification Analysis: Omission of a relevant variable; inclusion of irrelevant variable; JB statistic and DW Statistic.

## 5. Basic Mathematics

- Set theory and relations
- Limits, continuity, differential calculus and integral calculus
- Convexity and concavity of functions
- Optimization of Economic Functions – Single and multivariable functions, constrained optimisation
- Differential equations
- Linear Algebra: vectors, determinants and matrix
- Solutions of equations
- Leontief Input-Output Models

## Section B: Syllabus For Mathematics

### 1. Preliminaries and Functions of one real variable

- a. Set theory and number theory; Graphs; elementary types of functions: quadratic, polynomial, power, exponential, logarithmic; sequences and series: convergence, algebraic properties and applications;
- b. Continuous functions: characterisations, properties with respect to various operations and applications;
- c. Differentiable functions: characterisations, properties with respect to various operations and applications;
- d. Second and higher order derivatives: properties and applications.

### 2. Single-variable optimisation

- a. Geometric properties of functions: convex functions, their characterisations and applications; local and global optima: geometric and calculus-based characterisations, and applications.

### 3. Linear algebra

- a. Vector spaces: algebraic and geometric properties, scalar products, norms, orthogonality; linear transformations: properties, matrix representations and elementary operations; systems of linear equations: properties of their solution sets; determinants: characterisation, properties and applications.

#### **4. Functions of several real variables**

a. Geometric representations: graphs and level curves; differentiable functions: characterisations, properties with respect to various operations and applications; second order derivatives: properties and applications; the implicit function theorem, and application to comparative statics problems; homogeneous and homothetic functions: characterisations and applications. 5. Multivariate optimisation a. Convex sets; geometric properties of functions: convex functions, their characterisations, properties and applications; further geometric properties of functions: quasi-convex functions, their characterisations, properties and applications; unconstrained optimisation: geometric characterisations, characterisations using calculus and applications; constrained optimisation with equality constraints: geometric characterisations, Lagrange characterisation using calculus and applications; properties of value function: envelope theorem and applications.

#### **6. Linear programming**

a. Graphical solution, matrix formulation, duality, economic interpretation.

#### **7. Integration, differential equations, and difference equations**

a. Definite integrals, indefinite integrals and economic applications; first order difference equations, equilibrium and its stability; first order differential equations, phase diagrams and stability.

**For queries contact us at:**

**Delhi Technological University**

**East Delhi Campus**

**Vivek Vihar, Phase-II, Delhi-110095**

**E-mail: [ba.usme@dtu.ac.in](mailto:ba.usme@dtu.ac.in)**



# DELHI TECHNOLOGICAL UNIVERSITY

*(Established by Govt. of NCT of Delhi vide 6 of 2009)*

*(Formerly Delhi College of Engineering)*

Website : [www.dtu.ac.in](http://www.dtu.ac.in)