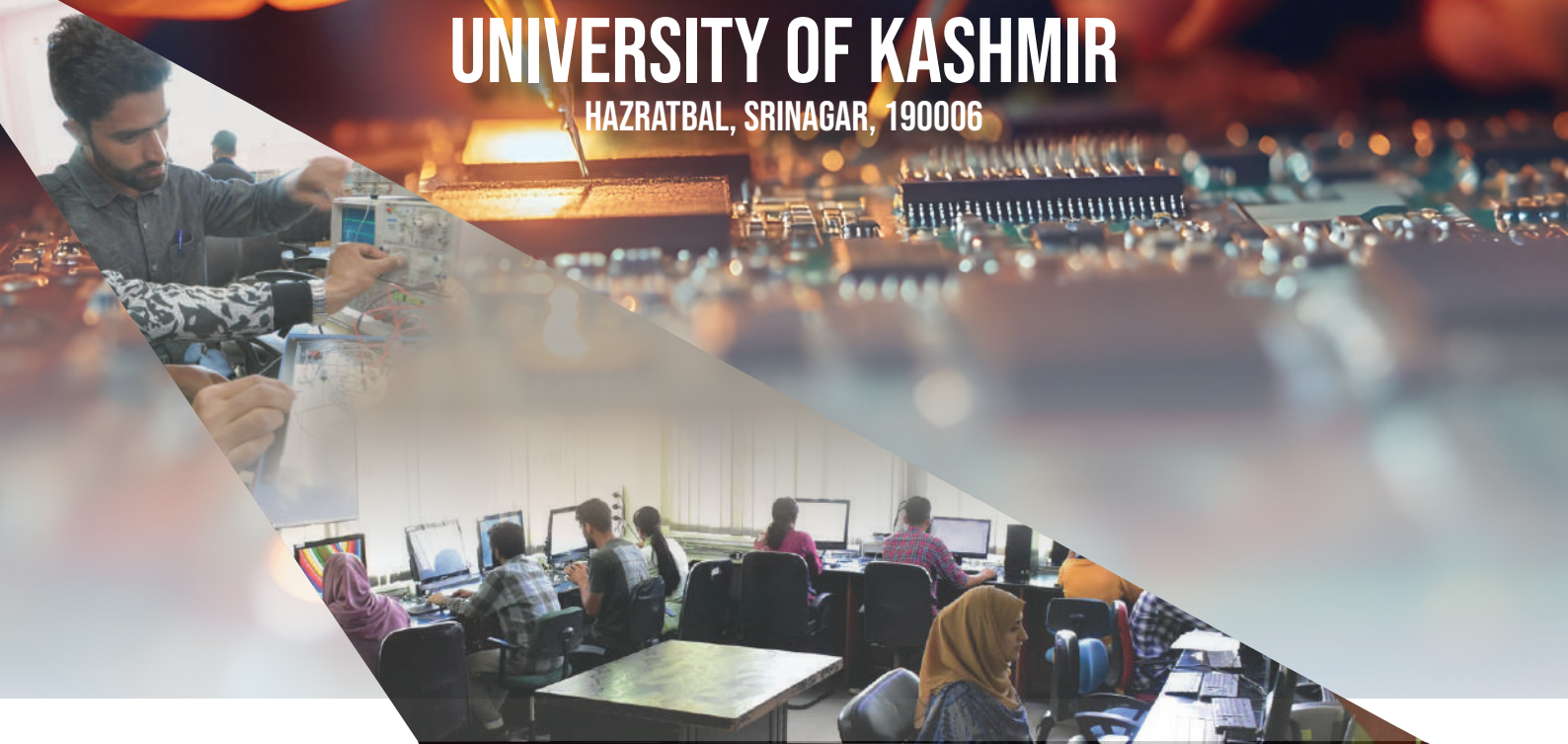




**POST GRADUATE DEPARTMENT OF ELECTRONICS
AND INSTRUMENTATION TECHNOLOGY
UNIVERSITY OF KASHMIR
HAZRATBAL, SRINAGAR, 190006**



**DEVELOPING
LEADERS IN THE
EVER-EVOLVING
FIELD OF
ELECTRONICS**

**FIVE-YEAR INTEGRATED
MASTER'S PROGRAMME (FYIMP)
IN ELECTRONICS**

**A MULTI-ENTRY, MULTI-EXIT PROGRAMME WITH COMPREHENSIVE
ELECTRONICS AND ARTIFICIAL INTELLIGENCE CURRICULUM**

ASPIRE. INSPIRE. AND LEAD!

Gain an AI edge with our Master's in Electronics. Specialize, learn, and excel

Five-Year Integrated Master's Programme in Electronics

A multi-entry, multi-exit programme with comprehensive Electronics and Artificial Intelligence curriculum

This program offers a rich tapestry of coursework, fostering a well-rounded understanding of the field. Students gain a strong foundation in core electronics through dedicated courses. The programme allows specializations in **emerging areas of Electronics such as VLSI, Signal Processing, Communications, Embedded Systems, Computing, Image Processing, Nanoelectronics, Wireless Communications, Wearable Electronics, Internet of Things, Multimedia Signal Coding, Neuromorphic Computing, etc.** The programme also includes contemporary courses in ever-evolving fields of computation and Artificial Intelligence. Skill-oriented courses equip them with practical abilities valued by the industry. Multidisciplinary courses encourage a holistic approach by integrating knowledge from various disciplines. Additionally, ability enhancement courses hone communication, critical thinking, and problem-solving skills – essential assets for success. This comprehensive and industry-oriented education empowers graduates to become future leaders in the dynamic field of electronics. Graduates can pursue rewarding careers in various sectors, including industry, academia, and business entrepreneurship. Graduates in Electronic Sciences can go on to serve in industries or may opt to establish their Start-Ups. They can also be recruited directly in MNCs after their completion.

Overview

- Flexible Learning Paths:** The programme offers a multi-entry, multi-exit structure, allowing students to join and leave at various stages. Earn qualifications ranging from certificates to integrated master's degrees based on their individual goals and pace. Students can re-enter the program within three years of exiting, providing flexibility and opportunities for continued learning.
- Strong Foundation:** The programme includes foundational courses to ensure students have a solid understanding of the basics, setting them up for success in their chosen degree programme.
- Hands-On Learning:** The learning methodologies prioritize practical experience through internships, projects, and problem-based learning, ensuring students are well-prepared for the real world.
- Industry-Relevant Skills:** The programme curriculum stays current with the latest trends and equips students with the in-demand skills sought by the electronics industry.
- Research-Oriented:** The programme fosters a research-oriented mindset, providing students with the skills and knowledge to pursue advanced studies or research careers.
- Cutting-Edge Curriculum:** The programme curriculum is continually updated to reflect the latest advancements in electronics, ensuring graduates have a deep understanding of the field.
- The AI Edge:** The programme includes contemporary courses in ever-evolving fields of computation and Artificial Intelligence.

Programme entry and exit points

Entry Year	Exit Year	Certificate/Diploma/Degree
1 st	1 st	Certificate in Electronics
	2 nd	Diploma in Electronics
	3 rd	Bachelor's Degree in Electronics
	4 th	Bachelor's Degree (Honors) with or without Research in Electronics
	5 th	Five-Year Integrated Master's Degree in Electronics
4 th	4 th	PG Diploma in Electronics
	5 th	Two Years Master's Degree in Electronics
5 th	5 th	One Year Master's Degree in Electronics

Eligibility

1st Year (Semester I): Candidates who have Passed the 10+2 examination (Science Subjects) with a minimum of 45% marks in case of general category and 40% marks in case of reserved category candidates from the Jammu and Kashmir Board of School Education or from any other recognized board/ institution whose examinations have been recognized as equivalent to that by the Jammu and Kashmir Board of School Education.

4th Year (Semester VII): Three-year Bachelors' Degree in Electronics from any recognized University under NEP 2020 with a minimum of 45% marks in case of general category and 40% marks in case of reserved category candidates.

5th Year (Semester IX): Four-Year Honors' Degree in Electronics under NEP 2020 or B.E./B.Tech. in Electronics or equivalent with a minimum of 45% marks in case of general category and 40% marks in case of reserved category candidates.



Selection

Admission shall be made through Entrance Test and admission shall be granted on the basis of the merit obtained in the entrance test, conducted by the University.



Intake Capacity

20, 10 and 5 respectively at first, fourth and fifth years excluding self-finance, foreign nationals, supernumerary and vacancies on part of early exits.

Course Fee

General Category: Rs. 11,375/= per year.

Self-Finance Category: A self-finance fee of Rs. 11,375/= per year in addition to fee mentioned for general category.

Foreign Nationals Category: Rs.30,000/= per semester.

An Industrial Training Fee of Rs. 10,000/= shall be charged in the 5th year (9th semester). This Fee component shall be payable by students admitted under all categories.

Examination Fees, Hostel Fees, etc., shall be charged extra as per the University policy in Vogue.





Completed Projects (Individual)

Sl. No.	Year	Title of the Project	Funding Agency	Principal Investigator	Cost	Status
1.	2017	Design and Development of New Local Security Protocol and Encryption	UGC, Govt. of Jammu and Kashmir	Dr. M. Tariq Bhatnagar	11,27,000/-	Completed
2.	2017	Development of New Protocol for Secure Communication in Ad-hoc Networks	UGC, Govt. of Jammu and Kashmir	Dr. Farooq A. Bhatnagar	9,30,000/-	Completed
3.	2017	Algorithm and Hardware Design for Secure Key Distribution in Ad-hoc Networks	UGC, Govt. of Jammu and Kashmir	Dr. M. Tariq Bhatnagar	28,55,900/-	Completed

Thrust Areas of Research

- Internet of Things, Network Security and Digital Forensics
- High Performance Integrated Circuits and Nano-Electronics
- Biomedical, Fractional System Design
- Low Complexity Multicarrier
- Wireless Communication
- Micro-controllers and Filter Design



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DIRECTORATE of ADMISSIONS & COMPETITIVE EXAMINATIONS

University of Kashmir

NAAC Accredited Grade- 'A+'

ADMISSION NOTIFICATION No. 20 of 2024

For

5-Year Integrated Masters Programme in Electronics (IMSc-Electronics)

On-Line Applications are invited from eligible candidates for admission to **5-Year Integrated Masters Programme in Electronics (IMSc-Electronics)** for the academic session 2024 offered in the **Department of Electronics and Instrumentation Technology at Main Campus, University of Kashmir**. Admission to the programme shall be governed by the Admission policy available on University website and relevant statutes governing the programme.

i) Important dates:

Submission of On-Line Forms	From 02-09-2024
Last date of submission for On-Line Application Forms and deposition of online Application Fee	12-09-2024

ii) Eligibility:

12th Pass with Science subjects having secured at least 45% marks in case of General Category and 40% in case of Reserved Category.

iii) Admission Criteria:

The selection to the programme shall be made on the basis of Entrance Test to be conducted by the University of Kashmir for which separate notification will be issued on the official website of the University of Kashmir www.kashmiruniversity.net

iv) Submission of On-Line Application Form:

The candidates are advised to follow the below steps for filling their On-Line Application Forms.

Step-1: Visit <http://www.kashmiruniversity.net> or www.kashmiruniversity.ac.in and click on Link Admissions.. Click on the links “**Application Form for IMSc-Electronics-2024**”

Step-2: Enter your Board “**Registration No.**” and Click “**Next**”.

Step-3: Enter the required details and Upload your latest passport size Photograph and click “**Next**”.

Step-4: If there is any variation click on “**Previous**” button, make necessary corrections and then Click “**Submit**”. Get a printout of the Form and note the Form No. for future reference.

Step-5: Deposit the non-refundable “**Application Fee of Rs. 250/- (including Rs. 150/- as IT Fee) and Processing fee of Rs. 500/- which makes total to Rs. 750/-**” through online mode only.

v) Submission of downloaded Application Form (Hard copy):

After submitting the On-Line Application Form, candidate need not to submit the downloaded ApplicationForm (hard copy), however, he/she had to retain it with themselves for future reference.

vi) Verification of documents/certificates:

- **Directorate of Admissions & Competitive Examinations will not check/verify the educational/category certificates etc. of the candidates at the time of submission of online Application Form and it will be the sole responsibility of the candidate. However, the required marks certificates/Reserved category certificate (if applied under any reserved category) shall be verified by the concerned Department at the time of completion of Admission Formalities by the selected candidates.**
- **The selection of the candidate will be rejected if it is found that the applicant does not fulfill the eligibility criteria at the time of admission.**

vii) Additional information:

- The candidates must check the status of their Application Forms after three days of its online submission. In case, the status of Application is not updated to **“Fee Received”** or **“Fee Reconciliation is Pending”**, the candidate should contact the **Directorate of IT & SS, University of Kashmir**, alongwith Application Form and all other documents, within two days after the last date of submission of Application Form. Thereafter, no claim, whatsoever, will be entertained by the University.
- **Submission of Application Forms are subject to determination of eligibility for admission to the Programme by reference to the Admission Policy-2024.**
- For any further query/ information, the candidates are welcome to contact University on direct number **0194-2272063**;

Sd/-

Prof. M Farooq Mir

(Director)

(Directorate of Admissions &
Competitive Examinations)

No F (Adm-IMSC-Electronics-2024) DACE/KU/24

Dated:- 28-08-2024