

Name of the programme	Name of Course	Duration of Course	Number of seats sanctioned	Eligibility Criteria
M.Sc.	Physics	2	60	B.Sc. / B.Sc. (Hons.) with 50% marks in aggregate (45% for SC/ST candidates of Haryana only) with Physics as regular subject at graduation level from a recognized Univ./Institute. Result awaited (Qualifying Exam.) candidates can apply.



Dated: 17/08/2021

Department of Physics

FORMAT for Program-specific Career Options to be uploaded on Council's Website:

1	Program of Study and its duration	B.Sc. (H) Physics: 3 Years Program M.Sc. (Physics): 2 Years Program Ph.D. Program
2	MOU's and Collaboration which visits Campus for recruitment	NA
3	Business Houses/Companies which visits Campus for recruitment	NA
4	Details of Business Houses/Companies offering in-industrial projects/training	NA
5	Projects/training offered by University	Six months project work for M.Sc.(Physics) students
6	Entrepreneurship Opportunities	Start-ups based on : 1. Energy storage device applications eg. Solar cell panels and semiconductor devices 2. Graphene based nano-composites. 3. Metal Organic Frameworks (MOFs) based masks 4. Aluminium and Manganese doped ZnO nanoparticles can be utilized to produce LEDs
7	Opportunities in Education Sector	Students are qualifying UGC CSIR-NET, GATE, JEST, HTET, CTET and have job opportunities as TGT (Science), PGT (Physics), Lecturer (Physics), and Assistant Professor (Physics) etc. DIETs
8	Opportunities as Social Worker	Deal with social issues such as unemployment, education etc.
9	Opportunities in other Nations	Research collaborations in international labs.
10	Opportunities as an Academician	Enhancement of knowledge; expand the teaching, research, and publishing prospects and also promote the understanding of fundamental as well as applied concepts in the respective research area in a good manner

11	Opportunities for Nation Development	R & D in all National Laboratories
12	Opportunities as Consultant	Provide consultancy in : 1. Air Quality Index Monitoring 2. Renewable Energy Production and Storage 3. Implants in medical field 4. Optoelectronic devices 5. Electronic display panels
13	Opportunities for self-employment and How program leads to livelihood?	Opportunities in various teaching platforms like Unacademy, ByJus, Vedantu etc,
14	Role/Details of Specific Membership for the program (for eg. CII, AIMA, ISTE, IAA etc.)	Materials Research Society of India (MRSI) The Indian Science Congress Association (ISCA) IEEE
15	Aptness of the program with future challenges	Revisions are done in the syllabus from time to time to incorporate the latest in the field.
16	Can program contribute in rural development? How?	Increasing the quality of education in rural areas can significantly impact the development of employment opportunities. ... Increase in productivity of rural labour force: education can improve labour productivity in rural areas, increasing the wealth of a region or area.
17	Industrial Visits related to the program made by students	Council Of Scientific And Industrial Research–National Physical Laboratory (CSIR–NPL) Inter University Accelerator Centre (IUAC)

Ashtams

Chairperson

Department of Physics

JC Bose University of Science & Technology YMCA Faridabad

17/2/21.

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