Information Brochure for

DDFS- 2025

Induction of DAE Doctoral Fellowship Scheme (DDFS) Programme

for Engineering post-graduates

Under the aegis of

Homi Bhabha National Institute (HBNI)

Information Brochure

for

DDFS-2025

Contents

Section-1: Introduction

Human Resource Development Division (HRDD), Bhabha Atomic Research Centre (BARC) invites applications from Engineering post-graduates (Equivalent Engineering PG Degree) for admission to DAE Doctoral Fellowship Scheme (DDFS) for pursuing Ph.D. under the aegis of Homi Bhabha National Institute (HBNI) a Deemed to be University, commencing from 3rd week of July, 2025. The selected students will be admitted to one of the following Constituent Institutions of HBNI:

 (1) Bhabha Atomic Research Centre (BARC), Mumbai;

 (2) Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam;

 (3) Institute for Plasma Research (IPR), Gandhinagar;

 (4) Variable Energy Cyclotron Centre (VECC), Kolkata.

 These centres have been in the forefront of research in various branches of engineering viz. chemical, computer, electrical, electronics, instrumentation, mechanical, metallurgical or materials and nuclear. Several state-of-the-art laboratories and research facilities are unique to these institutions. The Ph.D. Programme in Engineering Sciences is extremely challenging in view of the expanding Nuclear Power Programme of the Department of Atomic Energy. For the motivated candidates, it offers considerable scope to realize their potential while simultaneously contributing to the important task of nation building in this highly specialized area. Several state-of-the-art laboratories and research facilities required for Nuclear Power Programme of the Department of Atomic Energy are unique to these institutions.

It provides rewarding research career in Nuclear Science, Engineering and Technology and

- who would relish challenges in frontier areas of Science & Technology,
- who would like to be part of an expanding program of Nuclear Power / Research Reactors, Accelerators and Nuclear Fuel Cycle Technologies, and
- who would enjoy pursuing innovative research in frontier areas of Engineering.

DAE strives to have a workforce which reflects gender balance and women candidates are encouraged to apply.

Section-2: Fellowship and Allowance during DDFS PhD Programme

The amount of fellowship payable under the scheme is Rs.80,000/- per month (Rupees Eighty Thousand Only) and an annual contingency grant of Rs 60,000/- to meet the PhD related expenses. The fellowship will be provided initially for a period of four years. Continuation of the fellowship is subject to satisfactory performance and review at the end of each year. On satisfactory performance, the tenure of Fellowship will be further extended one more year on the recommendation of competent authority. The total period of the fellowship shall in no case exceed five years. Medical benefits under Contributory Health Services Scheme are available for the DDFS student. Hostel accommodation is mandatory during PhD programme.

Section-3: Eligibility Criteria

a) Qualifying Degree and other academic qualifications: Candidates should possess M.E. /M. Tech./ M.Sc.(Engg)/ Integrated M. Tech degree or equivalent engineering postgraduate (PG) degree under the major discipline of Chemical, Computer Science, Electrical, Electronics, Instrumentation, Mechanical, Metallurgy/Material Science & Civil Engineering discipline with minimum 60%* Marks.

b) In addition, Applicants must have one of the under graduate (UG) - B. Tech/ B.E./ B. Sc. (Engg) degree or required equivalent engineering degree, as mentioned in the table-1, for the respective DDFS screening discipline in which they want to appear for Online screening examination, with minimum 60%* marks.

c) The qualifying 60%* marks should be as per the ordinances of the respective degree awarding university.

d) Candidates awaiting final results and / or appearing in qualifying exam in academic year 2024-2025 and their CGPA up to 2nd semester will be considered for deciding the DDFS screening marks. Candidates appearing in the final semester examination of qualifying degree in academic year 2024-25, must have first two semester marksheets for evaluating the weighted average screening score as mentioned in the para (a) of point no- (iv) of Section-3.

*A minimum of 60% aggregate marks (or minimum of 6.0 CGPA[#] on the scale of 10.0 or equivalent) means the marks as per the ordinances of the respective university. Applicants, who have been awarded with LETTER grades, should convert into percentage as per the ordinances of the respective university.

#Conversion of CGPA marks to the percentage should be as per the ordinances of the respective university, if available.

a. **Maximum Age limit:** The candidates (general class) desirous of availing DDFS fellowship should have been born on or after August 1, 1997 (Maximum age Limit-28 years for General Category). Age relaxation is applicable up to 3 years in case of Non creamy Other Backward Class applicants, 5 years in case of Scheduled Caste and Scheduled Tribe applicants. Max. Age limit for person, who is a Faculty in Engineering Colleges, is 40 years. In case of applicants with disabilities, additional 10 years age relaxation, on and over the maximum age limit for the category to which applicants belong, will be provided. Person with physical disability with extent of disability 40% or more will be considered for age relaxation and may be permitted a scribe

b. **Nationality:** Applicant must be an Indian citizen.

c. **Application fee:**

A non-refundable Application Fee of **₹ 500/- is** chargeable from the male applicants belonging to General and OBC categories.

Woman candidates, candidates belonging to SC/ST, candidates belonging to transgender, and Physically Challenged candidates with extent of disability of 40% or more are exempted from payment of Application Fee.

d. Candidates awaiting final results and / or appearing in qualifying exam in academic year 2024-2025 may also apply provided they must have result up to second semester of PG degree on the day of their online application for evaluating the weighted average screening score as mentioned in the point no-'c' of Section-4.

e. If selected, candidates who are eligible in all other respects but are graduating in the academic year 2024-25 and awaiting final results will be allowed to join the academic programme. However, retention of these candidates in DDFS programmes is subject to the mark-sheet of their final result, which meets the eligibility requirements of the DDFS-2025 programme. Candidates must submit their final marksheet/ final certificates of qualifying degree by December 31, 2025 otherwise their candidature will be cancelled. It may also be noted that all the academic requirement for the award of qualifying degree must be completed before **15th July 2025. All the candidates whose final result of qualifying degree is awaited need to bring the certificate issued by competent authority about their completion of academic requirement for the award of qualifying degree on the date of joining of training programme.**

EXERCISING AUTHORITY

In all matters concerning the DDFS-2025 Academic programme, the decision taken by the Competent Authority in BARC, Mumbai shall be final and binding on the Applicants and they shall abide by the decision in totality. The Applicants while representing the matter shall not directly approach the Courts and will wait till the outcome of the decision by the Competent Authority in BARC.

In case of any claims or disputes arising with respect to the DDFS-2025 admission, the venue of such proceedings, suit, action, or proceedings arising out of or related thereto will be governed / maintained in accordance with the laws of Republic of India subject to exclusive jurisdiction of the courts of Mumbai, India.

Secion-4: Selection Process

Selection for DDFS academic programme is a two-step process: 1. Screening to the shortlisted candidates followed by 2. selection interview.

(**a) Online Screening Examination**

I. Online screening examination will be conducted in Eight DDFS disciplines at more than fifty cities spread across India. The Online Screening Exam for DDFS-2025 will be held in March 2025.

II. Applicants who fulfill the above-mentioned eligibility criteria as mentioned in the Section-3, will appear in an online computer-based test (CBT) Screening Exam to be held at multiple centers across India (Table 4) in March 2025 (tentative).

III. Travel Allowance will not be provided for appearing in CBT screening examination.

IV. Candidates will be shortlisted for Selection Interview based on performance in the DDFS screening test as well as on previous academic record of qualifying degree. There will be equal weightage for marks obtained in M. Tech. (average of Semester-I and Semester-II) and for the marks obtained in DDFS Screening Examination (CBT). Candidates awaiting final results and / or appearing in qualifying exam in academic year 2024-2025, they must have results of Semester-1 and Semester-2 of qualifying degree otherwise they will not be considered for this academic programme.

V. All candidates appearing for the DDFS Online Examination will be awarded DDFS screening Examination Score based on the above screening criteria, for shortlisting to Selection Interview

VI. The syllabus for Screening Test will be same as that of BE/B Tech/ B. Sc (Engg) of the concerned DDFS screening discipline.

(**b) Selection Interviews**

I. The list of candidates shortlisted for Selection Interview will be posted on the Online Application Portal in April, 2025. Selection Interviews of shortlisted candidates in all disciplines will be conducted at the BARC Training School, Mumbai.

II. Outstation applicants will be paid two-way normal AC-III tier train fare to attend Selection Interview, from their registered residential (either permanent or communication) address, by shortest route or actual fare, whichever is less.

III. Selection Interviews will be in June, 2025. Short-listed candidates will be able to choose an Interview slot, based on availability, in April 2025. Alerts by email as well as SMS will be sent to all candidates who have been short-listed for Selection Interview on their

registered email address and mobile number as well as announced on this website, prior to commencement of the Interview slot booking process. Candidates are advised to visit this website **https://www.barcocesexam.in** regularly for the latest updates.

IV. The candidates will give presentation of 10 minutes as per their M. Tech. project during Selection Interview.

V. Final Selection for the DDFS-2025 programmes will be based solely on performance in Selection Interview, subject to medical fitness.

VI. A list of provisionally (subject to medical fitness) selected candidates will be displayed on this website in the last week of June, 2025. The selected candidates will also be informed about their Selection by email and SMS.

5. How to Apply

Human Resource Development Division (HRDD), Bhabha Atomic Research Centre (BARC) conducts the CBT online exams for DDFS. Only Online Applications will be accepted. Candidates must visit the website https://barcphdexam.com and fill the Online Application form from 2nd January 2025 onwards. Candidates are required to visit the website **'https://www.barcocesexam.in'** in the period specified and submit an Online Application by following the instructions therein. Candidates are advised to read the 'Information Brochure' before applying

ONLY ONLINE APPLICATIONS WILL BE ACCEPTED.

Candidate can apply for only one DDFS screening examination discipline.

- Candidates have to fill up the Online Application form provided on this website.

- Candidates need to register through "**Click here for New Registration**" **link** by providing essential information like name, salutation (Gender), mobile number., e-mail ID (Registered email ID of candidate is the default User ID for online exam registration portal), DDFS screening discipline, etc., for preliminary registration. *It may be noted that the details provided at this stage (preliminary registration stage) cannot be modified later on, and hence the candidates are advised to be careful in entering the details*.

- Upon successful preliminary registration, the Candidates have to verify the registered mobile & registered mobile email ID. The registered mobile no. will be verified using OTP sent to registered mobile no., and entering the OTP on verification page. Similarly, verification link will also be sent to the registered email ID, provided during preliminary registration and link will be clicked for completion of verification process. Login credential will also be sent on registered Mobile and email ID .

- Once the candidate's account is activated, he/she can subsequently log in multiple times through "Candidate's Login" link to fill in the Online Application form.

- While filling the form, the candidates are required to upload their recent passport sized photograph (4.5 x 3.5cm) in JPG/JPEG format (of size between 20- 50 kb) and a scanned copy of their signature (2 x 4.5 cm, in JPG/JPEG format with size not exceeding 20 kb but greater than 10 kb), Sem-1 & Sem-2 Mark-sheets of the qualifying degree in JPEG/PDF format with size not exceeding 300 kb but greater than 200 kb) & relevant certificates for availing the fee exemption (in JPEG/PDF format with size not exceeding 200 kb but greater than 100 kb) .
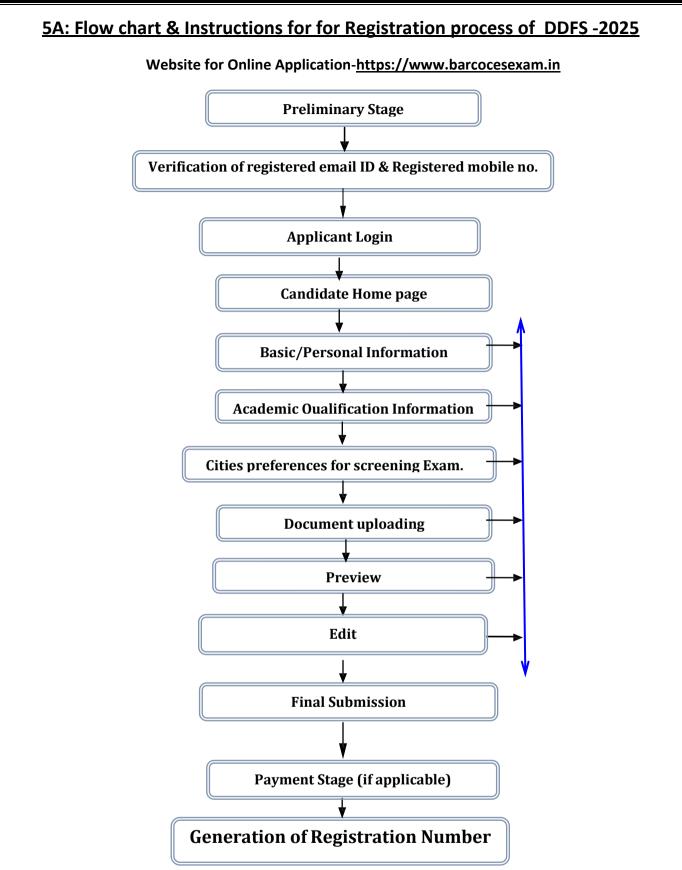
- Candidates availing the application fees exemption should provide the detail of valid ID card/category/ PWD certificates as per their eligibility and also upload the valid supporting documents.

- Candidate should fill up their SSC/H.S.C./ B.Sc./ BE/ B.Tech./ Integrated M Tech. Marks while applying online. Candidate must upload their valid mark sheets/ Examination Score Cards of the qualifying degree and Caste certificate (if applicable), while applying online. The online applications without the attachment of these documents shall be disqualified.

- Candidates must choose three (3) cities in the order of their preferences, for appearing in the screening online examination (CBT).

- They will also have to upload the required valid documents without that application will be rejected.

- Subsequently application process will proceed to preview page of application where candidate can review the filled application and in case of any error/ mistake in the preview of application, they can visit to the concern step/ stage of application process for required correction. Finally, the candidates need to submit the filled form. Please note that *NO* modifications / alterations would be permitted in the application form after final submission. Hence the candidates are advised to verify the correctness and adequacy of the information filled by them before the final submission. It is to be noted that only applications where 'Final Submission' process has been completed before the last date will be considered valid applications.

- After final submission, the candidates who are required to pay the Application Fee (₹ 500 plus applicable bank charges), if applicable, may make Online payment using net banking / debit card / credit card. On clicking on the "Make Payment" button in the payment page, the candidate is directed to the SBI Payment Gateway through which they can pay the application fee using any of the payment modes listed above. If the payment is successful, the candidates can proceed to final submission stage and complete their application. The candidates must make the payment of non-refundable Application Fee, if applicable, only once and no requests for refund of Application Fee will be entertained from any candidate due to multiple payment. In case confirmation of application fee does not get corroborated even after deduction of money from account, it is advisable to wait for at least 24 hours after the payment of application and also contact help line no. or raise the complaint on application portal before initiating the repeat payment for application fee.

- A unique Registration Number will be generated for every candidate who has paid the application fee, if applicable, successfully and registration must be used for all future correspondence.

- The candidates awaiting final results and / or appearing in qualifying exam in academic year 2024-2025 are required to registered their application with latest available semester marksheet during the application process. A link will be provided in **2nd week of April 2025 to** registered email ID of those candidates, who are awaiting final results and / or appearing in qualifying exam in academic year 2024-2025, t o upload their latest marksheet (2nd Semester of qualifying degree) on this portal for a limited period of time, if they have not uploaded the 2nd semester marksheets of qualifying degree. As mentioned earlier under the Section-3 (Eligibility criterion), submission of 1st and 2nd semester marksheet of qualifying degree (M. Tech.) is compulsory to evaluate the weighted average screening score for the candidates who are awaiting final results and / or appearing in qualifying exam in academic year 2024-2025, Otherwise, application of those candidates will NOT be considered for DDFS-2025 programme. In case of Integrated M. Tech. as a qualifying degree, Candidates are requested to provide the % marks/ CGPA of 8th Semester & 9th Semester of Integrated M. Tech and also upload the Marksheets of 8th Semester & 9th Semester of Integrated M. Tech. , during the application process. Candidates are also requested to see the "Important Events/ dates" part online application portal (https://www.barcocesexam.in) for latest update of Important dates.

Note:

i. Candidates need not send any documents such as proof of age, proof of category, proof of application fee payment, supporting documentary proof for availing fee exemption of plication etc., or hard copy of application.

ii. A valid e-mail ID and Mobile Number is mandatory for submitting application online and email ID should be kept active till the declaration of results. BARC will send call letter for interview to the registered/ given e-mail ID or candidates may be required to download from the website of BARC. No correspondence will be sent through post/ courier.

iii. In case of any difficulty in applying online or uploading the document, please raise your complaints through complaint module provided on the online application portal or contact to helpline contact no./ email id.

iv. Record of applicants for BARC DDFS-2025 programme, will not be preserved beyond 4 months from the date of publication of final selection result.

v. It may be noted that the DDFS discipline must be chosen on the basis of essential pre-**qualifying degree (i.e., B. Tech., for Regular M. Tech candidates and in case of Integrated M. Tech. it is the detail/ name of the degree of M. Tech itself) whereas as the Selection**

interview of screened/ shortlisted candidates will be based on the discipline/ degree name of the M. Tech., qualification. Candidates are also must note that the "DDFS discipline" is to be chosen on the "preliminary page" itself of application/ registration process whereas the details "essential pre-qualifying degree" is to be provided on the educational detail page of application process.

5A: Flow chart & Instructions for for Registration process of DDFS -2025

Website for Online Application-https://www.barcocesexam.in

```
┌─────────────────────────────────┐
│        Preliminary Stage        │
└─────────────────────────────────┘
                 │
                 ▼
┌──────────────────────────────────────────────┐
│ Verification of registered email ID &         │
│ Registered mobile no.                          │
└──────────────────────────────────────────────┘
                 │
                 ▼
┌─────────────────────────────────┐
│         Applicant Login         │
└─────────────────────────────────┘
                 │
                 ▼
┌─────────────────────────────────┐
│       Candidate Home page       │
└─────────────────────────────────┘
                 │
                 ▼
┌─────────────────────────────────┐
│    Basic/Personal Information    │ ──►
└─────────────────────────────────┘
                 │
                 ▼
┌─────────────────────────────────┐
│ Academic Qualification Information│ ──►
└─────────────────────────────────┘
                 │
                 ▼
┌─────────────────────────────────┐
│ Cities preferences for screening │ ──►
│ Exam.                            │
└─────────────────────────────────┘
                 │
                 ▼
┌─────────────────────────────────┐
│       Document uploading        │ ──►
└─────────────────────────────────┘
                 │
                 ▼
┌─────────────────────────────────┐
│            Preview              │ ──►
└─────────────────────────────────┘
                 │
                 ▼
┌─────────────────────────────────┐
│             Edit                │ ──►
└─────────────────────────────────┘
                 │
                 ▼
┌─────────────────────────────────┐
│        Final Submission         │
└─────────────────────────────────┘
                 │
                 ▼
┌─────────────────────────────────┐
│   Payment Stage (if applicable) │
└─────────────────────────────────┘
                 │
                 ▼
┌─────────────────────────────────┐
│ Generation of Registration Number│
└─────────────────────────────────┘
```

Note: From the Candidate Home page, candidate can proceed to each successive stage of registration. After completion of each stage, he can also switch over and edit the previous stages, till the final submission is made. Once Final Submission stage is completed, no further modification is possible.

5B: Process and Instructions

Application Procedure: 8 Simple Steps (Primary Stage, Activation, Basic/Personal Information, Academic qualification Information, preference of Exam cities for CBT, Payment Stage, Final Submission) to be followed to apply online

Step 1:	**Preliminary stage:** In this first stage of registration, the candidates need to choose the Applied DDFS Screening Discipline (i.e., DDFS Examination Discipline). The candidate also must enter other primary details like: Name, Salutation (Gender), Email ID, Mobile number, DDFS Screening discipline, Pre-qualification & Qualification degree **etc.,** The candidate will be provided a Login/user Id (Registered email ID is your default user/login ID) & Password to Mobile as well as email ID
Step 2:	**Activation:** • Upon successful preliminary registration, the login credential details would be sent to the registered mobile & registered email ID and application process will proceed to verification page to verify the email and mobile no. provided during preliminary registration. • The registered mobile no. will be verified using OTP sent to registered mobile number. Verification OTP is to be entered and verify the mobile no by clicking the "verify buttons" on verification page. Similarly Email Verification link, sent to the registered email ID, is to be clicked to complete the verification process. After clicking the email verification link ("click here"), It will be land up on the verification page with the confirmation of email ID. Now click the "Procced" button for next step.
Step 3:	**Basic/ Personal Information**: • After completion of above steps, application will be activated and candidates will be lead to Basic information page. In case of candidates want to complete the remaining steps of application stages/ steps later on, candidates can do multiple login, through 'Application Login' with the registered User ID and password, to complete the remaining steps of application. After logging in, the candidate should fill his Personal details like: Date of Birth, Parent's details, details of valid ID card/category/PWD certificates to avail the fee exemption, Addresses, etc.
Step 4:	**Academic Qualification Information:** In this section, the candidate has to enter his/her Academic details like: SSC (10th), HSC (12th)/Diploma, UG degree details, **PG degree details** and other relevant information for evaluating their eligibility.
Step 5:	**City preferences for CBT Screening examination:**

	After completion of Academic Information, the candidate can proceed to the next stage where candidate may furnish his/her choice of Cities for appearing in screening online Examination (CBT).
Step 6:	**Documents to be uploaded:** Latest Photo (Size- 4.5 x 3.5cm, format- JPG/JPEG, file size- 20 to 50 kb) & Signature (Size- 2.0 x 4.5cm, format- JPG/JPEG, file size- 10 to 20 kb) are to be uploaded in JPEG or JPG format. Sem-1 & Sem-2 Score card & Cast certificates, if applicable, Valid identity proofs are also to be uploaded in the (file size - 200 kb to 300 kb) PDF or JPG/JPEG format.
Step 7:	**Preview and Submission:** **The preview will be displayed to cross check the correctness of entered data in previous stages. If required, details can be changed / edited.** The candidate should make sure that all the information entered in the previous stages / preview are correct, as no modification in application can be made after making Final Submission.
Step 8:	**Payment:** Candidates who are required to make the payment for non-refundable Application Fee, if applicable, can pay the fees through the URL/ tab given in the Payment Stage. Payment should be done only once through SBI Payment Gateway and no requests for refund of Application Fee will be entertained from any candidate due to multiple payment. Candidates, who are exempted from paying fees and have opted to avail the same must submit the details of Valid ID proof / relevant certificate in Step no-3 (**Basic/ Personal Information)** and then only they can directly proceed to the Final Submission.
Step 8:	**Generation of Registration Number:** Once all the above stages including the successful payment of application fee, if applicable, are completed, the registration no. will be generated and informed through SMS on the registered mobile. Details of Registration no will also be sent to candidate to registered email. Candidates will be able to view and print their application also.

5C: GENERAL INSTRUCTIONS

I. Before applying, the candidate should ensure that he/ she fulfills all the eligibility criteria mentioned in the advertisement & in this information brochure. Candidates should ensure that they fill in the correct information. Furnishing of incomplete, false or misleading

information shall render the application liable to be rejected. The candidate would be admitted to various stages of the induction process based on the information furnished by the candidate during the online application process. BARC would be at liberty to reject any application at any stage of the admission process if the candidate is found ineligible for the academic programme or if it comes to notice that the candidate has furnished false information. The decision of BARC shall be final in deciding the eligibility of the candidate. The mere fact that a call letter has been issued to the candidate and allowed to appear in the interview will not imply that his/ her candidature has been finally cleared or that entries made by the candidate in his/ her application have been accepted as true and correct.

II. Those who are in employment under any Central/ State Govt./Public Sector Undertakings/ Corporations/ Local Govt. etc. should submit a No Objection Certificate from the employer at the time of interview.

III. SC/ST/OBC (clearly indicating Creamy Layer status) certificate should be as per the format prescribed for employment in Government of India

IV. The original certificates/ documents of the candidates will be verified at the final stage of the induction process. The shortlisted candidates must bring all original certificates of educational qualifications, experience, date of birth, caste certificate in the prescribed format, disability certificate in respect of PWD candidates. No Objection Certificate if in regular employment under any Central/ State Govt./ Public Sector Undertakings/ Corporations/ Local Govt. etc may be required to appear in the Selection interview.

V. The list of candidates selected for the award of DDFS programme will be displayed on the application web portal. The selected candidates will also be informed by mail. The final induction of the selected candidates as DDFS fellows will be subject to production of all necessary documents in original (Proof of Date of Birth/ Caste Certificate / physically challenged certificate if applicable, S.S.C/ H.S.C/B.Sc./ M.Sc. degree and Mark sheets) on the dates intimated to the candidates by the Department.

VI. Candidates who are NOT meeting the eligibility criteria as mentioned in section-3, WILL NOT BE considered for DDFS-2025 programme.

VII. The period of service rendered as research fellow will not be counted in any post of DAE/Other Government Department.

VIII. Admission shall not be claimed by any candidate as a matter of right. The admission shall be entirely at the discretion of the Selection Committee, which may refuse to admit any candidate without assigning any reason thereof.

IX.   No correspondence whatsoever form will be entertained from candidates regarding reason for not being called for interview/ outcome of interview.

Section-6: Screening examination discipline and corresponding Qualifying and pre-qualifying degree

DDFS Screening discipline for Online exam (CBT)	Details of Eligible Qualifying (PG) degree	Details of Eligible/ essential pre-qualifying UG degree$^\$$ (Candidates whose pre-qualifying UG degree name includes the core degree name with any specialization are also eligible for DDFS-2025 academic programme. Also refer to names of the UG degrees which are not eligible for DDFS academic programme)
Mechanical Engineering (ME)	M.E./M.Tech /M. Sc. (Engineering)/5-year integrated M. Tech. in Mechanical Engineering or in Others	B.E./B.Tech /B.Sc. (Engineering) M. Tech. in Mechanical Engineering
Chemical Engg. (CH)	M.E./M.Tech /M. Sc. (Engineering)/5-year integrated M. Tech. in Chemical Engineering or in Others	B.E./B.Tech /B.Sc. (Engineering)/5-year integrated M. Tech. in Chemical Engineering, Electro-chemical Engg
Metallurgical Engineering (MT)	M.E./M.Tech /M. Sc. (Engineering)/5-year integrated M. Tech. in Metallurgical Engg. or in Others	B.E./B.Tech /B.Sc. (Engineering)/5-year integrated M. Tech. in Metallurgy / Metallurgical Engineering, Materials Engineering, Metallurgy & Materials Engineering, Metallurgy & Materials Science, Metallurgical & Materials Engg., Metallurgical Engineering & Materials Science and Materials Science & Engg.
Electrical Engineering (EE)	M.E./M.Tech /M. Sc. (Engineering)/5-year integrated M. Tech. in Electrical Engineering or in Others	B.E./B.Tech /B.Sc. (Engineering)/5-year integrated M. Tech. in Electrical Engineering / Electrical & Electronics Engineering
Electronics Engineering (EC)	M.E./M.Tech /M. Sc. (Engineering)/5-year integrated M. Tech. in Electronics Engineering or in Others	B.E./B.Tech /B.Sc. (Engineering)/5-year integrated M. Tech. in Electronics Engg, Electrical Engg., Electronics & Communication Engg., Electronics & Telecommunication Engg., Electronics & Controls Engg., Electrical & Electronics Engg., Electronic System Engg.
Computer Science Engineering (CS)	M.E./M.Tech /M. Sc. (Engineering)/5-year integrated M. Tech. in Computer Science Engineering or in Others	B.E./B.Tech /B.Sc. (Engineering)/5-year integrated M. Tech. in Computer Science, Computer Engineering, Computer Science & Engineering
Instrumentation Engg. (IN)	M.E./M.Tech /M. Sc. (Engineering)/5-year integrated M. Tech. in Instrumentation Engineering or in Others	B.E./B.Tech /B.Sc. (Engineering)/5-year integrated M. Tech. in Instrumentation Engg, Instrumentation & Controls Engg, applied Electronics & Instrumentation Engg. Electronics & Instrumentation Engg.
Civil Engineering (CE)	M.E./M.Tech /M. Sc. (Engineering)/5-year integrated M. Tech. in Civil Engineering or in Others	B.E./B. Tech /B.Sc. (Engineering)/5-year integrated M. Tech. in Civil Engineering

$ -Those having qualifying degree in branches like Aerospace, Automobile, Automotive, Aeronautical Engineering, Mechanical & Automation Engineering, Industrial Production Engineering, Manufacturing Engineering, Mining Machinery Engg., Industrial Metallurgy Engineering, Reliability Engineering, Ceramics Engineering, Architecture Engineering, Geology Engineering, Mining Engineering, Marine Engineering, Bio-Medical Electronics/ Instruments Engineering, Communication Engineering, Information Technology, Mechatronics Engineering, Dyes & Dye Intermediates, Electrochemical Engineering, Energy Systems, Chemical Engineering with specialization in Refining & Petrochemicals, Chemical Technology with specialization in petrochemicals, Chemical Technology, Biochemical Engineering, Oils & Fats Engineering, Paints & Varnishes Engineering, Refining & Petrochemicals Engineering, Petrochemicals Engineering, Plastics Engineering, Paper Engineering, Sugar Technology, Textiles Engineering, Computer Science

& System Engineering, Master of Computer Applications, Control Engineering, Power Engineering, Power Plant Engineering, Software Engineering, Electronics & Computer Engineering, Information Science/ Technology, Biomedical Electronics Engineering, Biomedical Instrumentation Engineering, Chemical Science & Technology, Chemical Technology, Biochemical Engineering, Energy Engineering, Environmental Science Engineering, Structural Engineering, Biotechnology and Biochemical Engg., M.E. in CAD/ CAM, M.Sc. in Computer Science, M.Sc in Computer Applications (MCA), B.Sc Computer Science, B.Sc. Electronics, M.Sc Electronics, BSMS programme in Electrical Engineering & Computer Sciences, BS in Chemical Engineering, BS-MS in Chemical Engineering Mechatronics, BSMS in Electrical & Computer Engg. BSMS(3 +2 yrs) programme in Electronics etc., are *NOT* eligible.

Note- i) It may be noted that the DDFS discipline must be chosen on the basis of essential pre-qualifying degree (i.e., B. Tech., for Regular M. Tech candidates and in case of Integrated M. Tech. it is the detail/ name of the degree of M. Tech itself). Candidates are also must note that the "DDFS discipline" is to be chosen on the "preliminary page" itself of application/ registration process whereas the details "essential pre-qualifying degree" is to be provided on the educational detail page of application process.

ii) However, the Selection interview of screened in/ shortlisted candidates will be based on the discipline/ degree name of the M. Tech., qualification.

Section-7: About Screening online Examination (CBT)

a. Screening Test is online computer based online test/examination (CBT). 'Online Exam' means that the candidate sits in front of a computer at the examination center and the questions are presented on the computer monitor and the candidate answers the questions on the computer through the use of mouse.

Question Paper will comprise of 100 questions with four choices (A, B, C or D), only one of which will be the correct answer. A candidate who chooses the correct answer will get 3 marks whereas a candidate who chooses a wrong answer will get -1 (negative) marks. A candidate who does not attempt a question will get 0 marks for that question. The duration of the exam will be 120 minutes. Candidates are not permitted to bring a calculator, mobile phone, smart watch, earphone. or any other electronic device inside the Examination Hall. Candidates are also advised not to wear headcover, ornamental outfits and jewelry while reporting to the examination hall.

b. A printed copy of the Admit Card is to be submitted for verification at the time of the examination. At least one original and valid photo identification card (i.e. not photocopied or scanned or expired) such as Voter Card, Aadhaar Card, printout of e- Aadhaar, Driving License / PAN card, Passport, Identity Card issued by School / College/University, SSLC/HSC mark sheet with photo must be presented failing which candidate will not be permitted in the examination. Photocopy of the ID proof will not be allowed.

c. The syllabus for the Online Exam is specific to the B.E. / B. Tech. / B. Sc. (Engineering) of DDFS screening examination discipline of CBT. The questions are intended to assess the basic understanding of subjects in the area of the Engineering exam discipline selected by the candidate. Emphasis would be on the knowledge and problem-solving ability rather than on the memory of the candidate. General English, General Knowledge, General Aptitude etc. are not assessed

d. **General Instructions:**

- All the questions and instructions of the test will be in English only. Candidates should bring a pen for the purpose of rough work, signing etc. Blank sheets for rough work will be provided, if required. Calculators and logarithmic tables are not allowed in the test centers. Candidates are not allowed to bring any other personal belongings such as mobiles/ cameras/ laptops/ notebooks/ text books/ digital watch/ digital ring etc. However, an on-screen calculator will be available/enabled during the online examination.

- Each candidate who registers for the Online Exam will be instructed to download the 'Admit Card' after confirmation to their participation in online exam on web portal. A candidate's entry into the test center is subject to the verification of the admit card. In addition to the admit card, each candidate is required to bring the following documents for verification at online examination venue:

- A printed copy of the Admit Card/ Hall ticket is to be submitted for verification at the time of the examination. At least one original and valid photo identification card (i.e. not photocopied or scanned or expired) such as Voter Card, Aadhaar Card, printout of e-Aadhaar, Driving License / PAN card, Passport, Identity Card issued by School / College/University, SSLC/HSC mark sheet with photo must be presented failing which candidate will not be permitted in the examination. Photocopy of the ID proof will not be allowed.
- Candidates who have availed fee exemption under the category SC/ ST/ Physically Challenged are required to bring valid proof of category for verification at the test center.

All test centers are closely monitored for security and candidates' identity and activities.

Section-8: Application fee and Age limits

The candidates desirous of availing DDFS fellowship should have been born on or after August 1, 1997. Age relaxation is applicable up to 3 years in case of Other Backward Class (Non creamy layer), applicants, 5 years in case of Scheduled Caste and Scheduled Tribe applicants and additional 10 years in case of persons with disabilities applicants The age limit for the candidates working as faculty in Engineering Colleges is 40 years on 01-08-2025 who desire to pursue PhD. without the fellowship grant.

Table 3- Age limit and application fee criteria

Category No Disability Physically challenged	Non-disabled person		Physically Challenged	
	Maximum age limit as on 01-08-2025 (Born on or after)	Fee	Maximum age limit as on 01/08/2053 (Born on or after)	Fee
General	28 years (1st August-1997)	Rs. 500 + Bank charges	38 Years (1st August-1987)	Fee exempted
OBC (Non-Creamy Layer)	31years (1st August-1994)	Rs. 500 + Bank charges	41years (1st August-1984)	Fee exempted
SC/ST	43 years (1st August-1992)	Fee exempted	43 years (1st August-1982)	Fee exempted
Faculty in Engineering Colleges	40 years (1st August-1985)	Rs. 500 + Bank charges	50 years (1st August-1975)	Fee exempted

Note –

a. Female and Transgender of all categories are exempted from payment of application fees. Candidates eligible for fee exemption and desirous to avail the same, are need to give the details relevant valid and genuine certificates during online application submission. In case of female and transgender candidates, any certificate (birth certificate, Aadhar Card, PAN Card, Indian passport, pre- qualifying/ qualifying passing certificates / Marksheet etc) in which gender or relevant salutation has been clearly mentioned is acceptable.

b. **The minimum age limit for all the applicants is 18 years as on August 1, 2025.**

Section-9: Constituent Institutes

The selected students will be admitted to one of the following Constituent Institutes of HBNI:

    (1) Bhabha Atomic Research Centre (BARC), Mumbai;

    (2) Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam;

    (3) Institute for Plasma Research (IPR), Gandhinagar;

    (4) Variable Energy Cyclotron Centre (VECC), Kolkata.

8. Important Dates

Table-4: Important Dates

Publishing Print media Advertisement in Employment Newspaper / Daily News paper	1st January 2025
Commencement of Online Application Process for DDFS-2025	2nd January 2025
Last date for Registration for Online Application	~~26th January 2025~~ ~~31st January 2025~~ **5th February 2025 (No further Extension)**
Correction window for online application	7th February- ~~14th February 2025~~ **11th February 2025**
Allocation/ confirmation of participation in CBT (online exam) at allotted Venue for the candidates who confirm their participation in Online Examination	~~15th February – 22nd February 2025~~ **12th February – 20th February 2025**
Download of Admit card/Hall ticket for the candidates who confirm their participation in Online Examination	20th February 2025 onwards
Online Examination	8th & 9th March 2025
Upload of CGPA score up to 2nd Semester for appearing in the academic year 2024-25	17th March - 24th March 2025
Display of List of candidates short-listed for Selection Interview on Online Application Portal	First week of April 2025
Availability based option on Online Application Portal to select Interview Slot for shortlisted candidates	17th April – 24th April 2025
Selection Interviews	18th June- 20th June 2025
Declaration of List of Applicants Selected for DDFS-2025 on Online Application Portal	Last week of June 2025
Medical Test for Selected Candidates	18th July 2025
Commencement of DDFS-2025 academic programme	3rd week of July, 2025

*All dates are tentative and applicants must regularly visit Online Application Portal (https://www.barcocesexam.in) for updates.

9. List of Cities of Online Examination

Table-5: List of online Exam Cities

SN	City	SN	City
1	Agartala	27	Kolkata
2	Ahmedabad	28	Kota
3	Bengaluru	29	Kozhikode
4	Bhopal	30	Kurukshetra
5	Bhubaneswar	31	Lucknow
6	Chandigarh	32	Madurai
7	Chennai	33	Mangaluru
8	Coimbatore	34	Mumbai & Mumbai Suburban up to Andheri (Western) and Ghatkopar (Main)[#]
9	Darbhanga	35	Mumbai Suburban beyond Andheri (Western) and Navi Mumbai [#]
10	Dehradun	36	Nagpur
11	Delhi (Proper)[*]	37	Patna
12	Delhi NCR – Gurugram (Gurgaon)[*]	38	Prayagraj (Allahabad)
13	Delhi NCR - Noida[*]	39	Pune
14	Durgapur	40	Raipur
15	Ernakulam	41	Ranchi
16	Guwahati	42	Rourkela
17	Gwalior	43	Shimla
18	Hubli-Dharwad	44	Siliguri
19	Hyderabad	45	Srinagar (J&K)
20	Indore	46	Tezpur
21	Jabalpur	47	Thiruvananthapuram
22	Jaipur	48	Tirupati
23	Jammu	49	Vadodara (Baroda)
24	Kalaburagi	50	Varanasi
25	Kanpur	51	Vijayawada
26	Kolhapur	52	Vishakhapatnam (Vizag)

Note- ***** - **Out of** Delhi (Proper), Delhi (Proper) and Delhi NCR – Noida, only one cane be chosen as an option for exam City.

- **Out of** Mumbai & Mumbai Suburban up to Andheri (Western) and Ghatkopar (Main) **and** Mumbai Suburban beyond Andheri (Western) and Navi Mumba, only one cane be chosen as an option for exam City.