SAMPLE REQUISITION FORM

FOR Differential Scanning Calorimetry (DSC) Facility
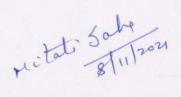### (Perkin-Elmer DSC 4000)
DEPARTMENTAL INSTRUMENT FACILITY
(Department of Chemistry)

National Institute of Technology,
Barjala, Jirania, West Tripura – 799046

Application No: NITA/CHEM/DSC/..................Slot Time:--------------------Slot Date:-----/------/------

User Information
Name & Designation: ....Candidature: Internal / External
Department: ....Branch: ...._Course:................................
Reg. No:...Contact No:...
E-mail address: ....
Title of the Project / Dissertation: ....
Internal candidates represent the student's / Staff / Faculty members belong to NIT Agartala.

Requirement from Analysis: *(1) Glass Transition (2) Melting Point (3)Crystallization (4) Other*

Details of samples submitted: Please provide the following details

Sample code	
Kindly note that samples cannot be analyzed for DSC without sample code.	
No. of Samples submitted	: (Maximum 02 per slot)
Sample type	: Solid (powder, amorphous, crystalline) and Glassy

Kindly note: i) <u>Lower and upper limit of temperature should be in the range of -60°C to +400°C</u>
ii) Liquid, semi-solid (grease), metallic samples are not accepted.

Nature of sample	: Organic/ inorganic/biological
Moisture (please tick)	: Present/absent
Special instruction (please tick)	: The sample is (i)volatile(ii)corrosive (iii)explosive(iv) inflammable (v)None of them
Toxicity (please tick)	: Toxic/non toxic
Health instruction(please tick)	: The sample is (i) skin irritant (ii) eye irritant (iii) any other hazardous effect (iv)None of them
Sample recovery	: Sample will not be recovered after analysis
Sample quantity	: 2 – 5 mg

Nitai Saha
8/11/2021

| Sr No | Sample ID | Sample wt. | Decomposition temp. | Temperature Program (°C) | | | IsoThermal | | Purge gas | Other Treatment | | | No of Cycles | Cool Down | Start | | End | | Run Time | No of Slots |
| | | | | Start Temp. | Max. Temp. | Ramp | Temp | Time | | Temp | Time | Ramp | | | Date | Time | Date | Time | | |
						°C/min	°C	min	(N2/Air)	°C	min	°C/min	nos	To °C					Min	nos

Data to be filled by User / **For Office Use only**

Office use

| Total Run Time | | Date | | No of Slots | |
| Log Book Page No | | Done By | | | |

Instructions to the User:

* *Magnetic, Conducting, Corrosive or any kind of unsuitable sample will not be accepted.*
* **Bring your own CD for data collection (Pen drives, USB HDD or any other external devices will not be entertained due to safety measure.)**
* *Bring your sample in sealed sample tube. Sample wrapped in tissue paper or aluminum foil will not be entertained.*
* *Your acknowledgement in the publication will be highly appreciated for better performance.*

Declaration

I hereby declared that I am using this instrument for the above entitled Project / Research work. I also declared that the above information furnished by me is correct to the best of my knowledge and belief, failure which my application may be terminated for future use. Furthermore I shall be solely responsible if there is any damaging of instrument due to incorrect information provided.

Date: Place:

Signature (Student/Scholar)	Signature with stamp (Supervisor/Guide/PI)	Signature with stamp (HOD of User Department)

Payment Details

Amount:...................,In word Rupees...(Only)

Through: ONLINE vide Transaction No:..Dated:........................

(Please submit a reference copy as a proof of payment along with this application form.)

For Office Use

| The user may be allowed to use the facility as per the procedure. |
| Signature of Instrument i/c |

| User application is Approved and allowed to proceed for sample analysis. |
| HOD, Chemistry |

| Payment has been done by the applicant through ONLINE mode as per the record. |
| (Accountant) |

Job has been completed on dated:........./.........../.........

Data has been provided on dated:........./.........../.........

Signature (Operator)