

Student Induction programme 2023

Department of Physics

Faculty of Department



Dr. Wadut Shaikh

Assistant Professor

PhD

Dept : Science

wadut.sk@gmail.com

[View PDF](#) [View Profile](#)



Prof. Arpita Das

SACT In Physics

Dept : Science

arpitaphysics87@gmail.com

[View PDF](#) [View Profile](#)



Prof. Gourchand Manna

SACT

Dept : Science

gourchand1993@gmail.com

[View PDF](#) [View Profile](#)



Prof. Rupam Mal

SACT In Physics

Dept : Science

malrupam43@gmail.com

[View PDF](#) [View Profile](#)



Sourav Panda

SACT In Physics

Dept : Science

tatai.sourav.panda@gmail.com

[View PDF](#) [View Profile](#)



Prof. Debasish Das

SACT In Physics

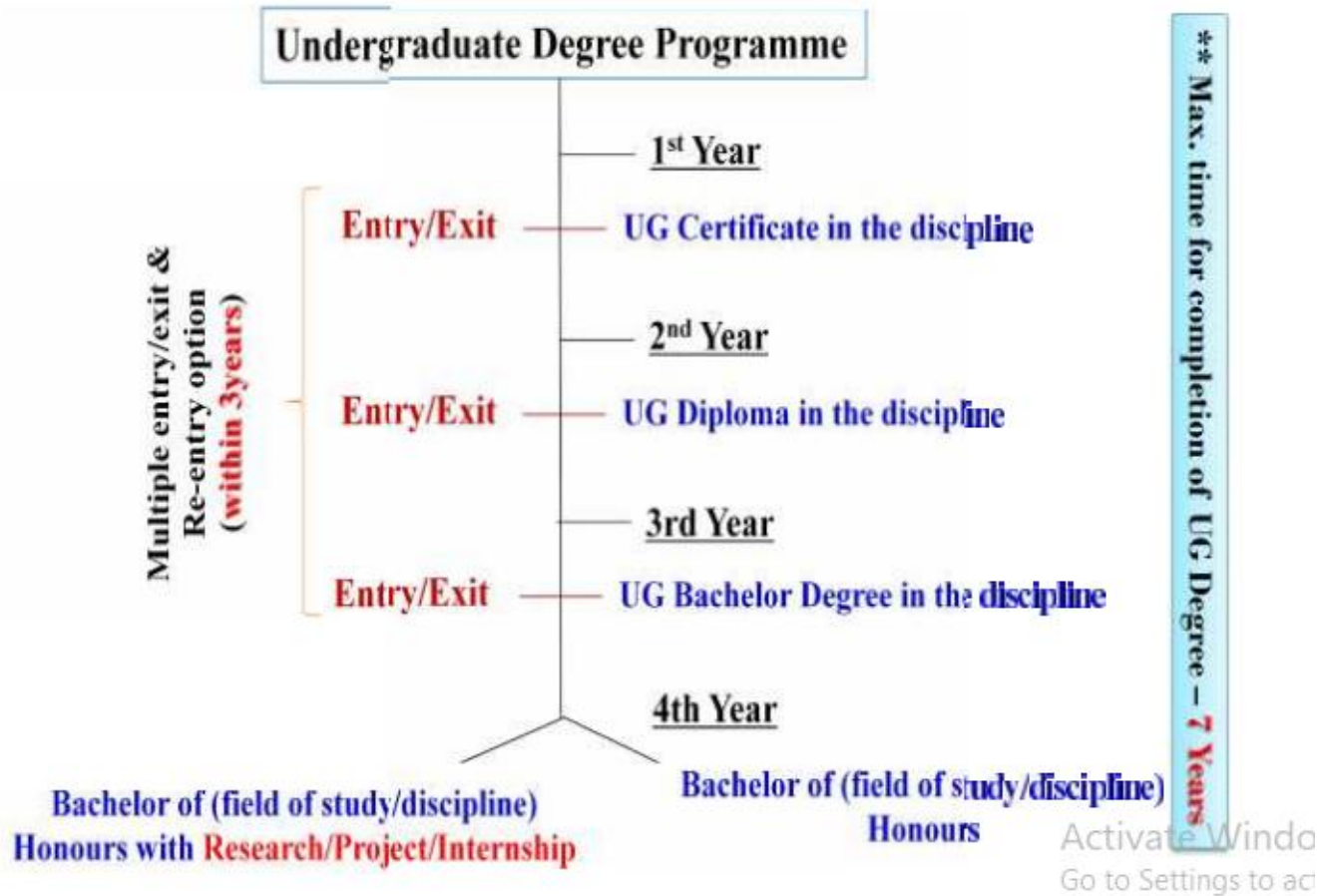
M.Sc In Physics

Dept : Science

debasish21physics@gmail.com

[View PDF](#) [View Profile](#)

Course Structure



Single Major programmes:

- a) **3-year Bachelor's degree programme** with **Major in** Science/ Arts/ Commerce field of studies (6 semesters with 126 credits)
- b) **4-year Bachelor's degree (Honours)** with **Major in** Science/ Arts/ Commerce field of studies (8 semesters with 166 Credits)
- c) **4-year Bachelor's degree (Honours with Research)** with **Major in** Science/ Arts / Commerce field of studies (8 semesters with 166 Credits) - *Students to complete research project of 12 Credits in their major area(s) of study in the 4th Year of studies.*

Multidisciplinary programmes:

- d) **3-year Bachelor's degree** with **Multidisciplinary programme** of studies in Life Sciences/ Physical Sciences / Mathematical & Computer Sciences/ Social Sciences/ Humanities (6 semesters with 126 credits)

- Major discipline (MJ)
- Minor discipline (MI)
- Multidisciplinary course (MDC)
- Ability Enhancement Courses (AEC)
- Skills Enhancement Courses (SEC)
- Value-Added Courses (VAC)

- Bachelor's degree of 3-year/4-year programme with Major in Science/ Arts field of studies
 - a) Major- 1 subject
 - b) Minor - 2 subjects

- Bachelor's degree of 3-year/4-year programme with Multidisciplinary Studies in Life Science/ Physical Science / Mathematical & Computer Sc./ Social Sc./ Humanities
 - a) Major- 2 subjects
 - b) Minor -1 subjects

Curriculum & Credit Structure of 4-Year Bachelor Degree Programme B.A./B.Sc./B.Com. (Hons./ Hons. with Research) in Single Major

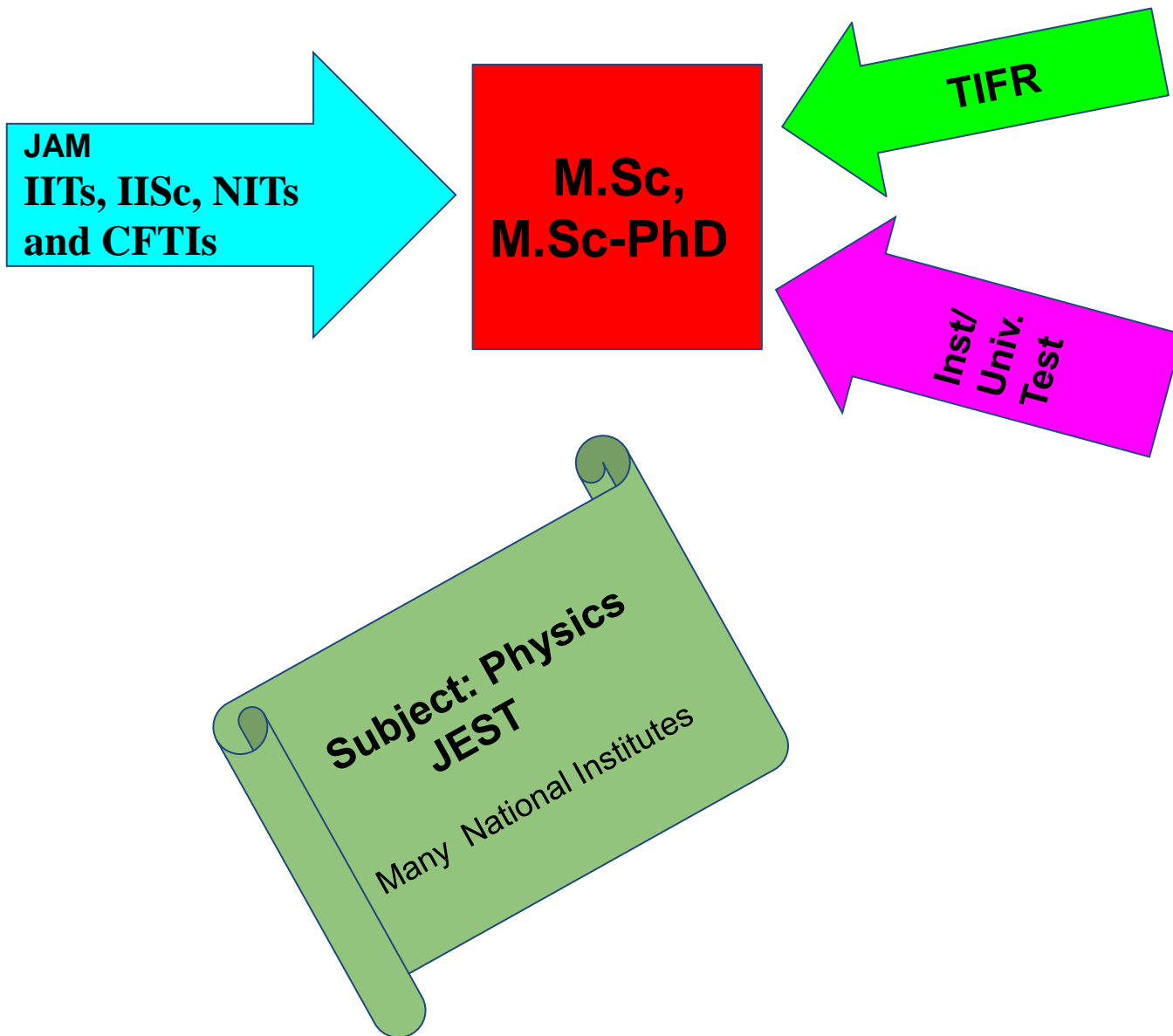
SEMESTER	Major - MJ (Core Discipline)	Minor Disciplines- MI (Discipline- I & II)	Ability Enhancement Courses -AEC	Skill Enhancement- SEC	Summer Internship	Multidisciplin ary Courses	Value Added Courses - VAC	Dissertation/ Project/ Entrepreneurship	Total Credit / No. of courses
	Major - 20 (4 Credits)	Minor- 8 (4 Credits)	AEC -4 (2 Credits)	SEC- 3 (3 Credits)	Int./Proj./ Comm. Ser. -2 (4 Credits)	MDC-3 (3 Credits)	VAC -2 (4 Credits)	Dissertation/ Project/ Entp. 2	
I	Major-1	Minor -1 (Discipline-1)	English Communication-1	SEC-1		MDC-1	VAC-1 (ENVS)		20 /6
II	Major -2	Minor-2 (Discipline-II)	MIL (Bengali/Hindi) -1	SEC-2	Community Service (Add.)	MDC-2	VAC-2		20/ 6
YEAR-1	(2x4) 8	(2x4) 8	(2x2) 4	(3x2) 6	(+4)	(3x2) 6	(2x4) 8	-	40 (+4) 44
Exit option with Undergraduate Certificate (in the Major Discipline) securing 44credits with Community Service (Additional 4 credits)									
III	Major -3 Major -4	Minor-3 (Discipline-1)	English Communication-2	SEC-3		MDC-3			20/ 6
IV	Major 5 Major 6 Major 7	Minor4 (Discipline-II)	MIL (Bengali/Hindi) -2		Internship / Apprenticeship (Major Disc.)				22/ 6
YEAR-2	(7x4) 28	(4x4) 16	(4x2) 8	(3x3) 9	4 (+4) 8	(3x3) 9	(2x4) 8	-	86
Students on Exit shall be awarded Undergraduate Diploma (in the Major Discipline) securing 86 credits									
V	Major 8, 9, 10 Major (Elect.) -1	Minor- 5 (Discipline-1)							20/ 5
VI	Major -11, 12, 13 Major (Elect.) -2	Minor-6 (Discipline-II)							20/ 5
YEAR-3	(15x4) 60	(6x4) 24	(4x2) 8	(3x3) 9	4 (+4) 8	(3x3) 9	(2x4) 8	-	126
Students on Exit shall be awarded 3-Year Bachelor Degree (in the Major Discipline) after securing 126 Credits									
VII	Major -14, 15, Major (Elect.) -3*	Minor-7 (Discipline-I)						Project-1 (4 Credit)	20/ 5
VIII	Major -16 Major (Elect.) -4*	Minor-8 (Discipline-II)						Project-2 (8 Credit)	20/ 4 (5*)
YEAR-4	(20x4) 80	(8x4) 32	(4x2) 8	(3x3) 9	4 (+4)=8	(3x3) 9	(2x4) 8	(4+8) 12	166 /43
Students shall be awarded Bachelor Degree (Hons. with Research) in the Major Discipline securing 166 credits									
<i>*Students not opting Research shall complete Three (03) additional papers (Major Electives-5 in Sem.-VII and Major Electives-6, 7 in Sem.-VIII)</i>									
One (01) Major Discipline & Two (02) Minor Disciplines-(1 & 2) Disciplines to be selected from given Subject bunch/group									

Curriculum and Credit Structure of 3-Year Bachelor Degree Programme B.A./B.Sc./B.Com. in Multidisciplinary Studies

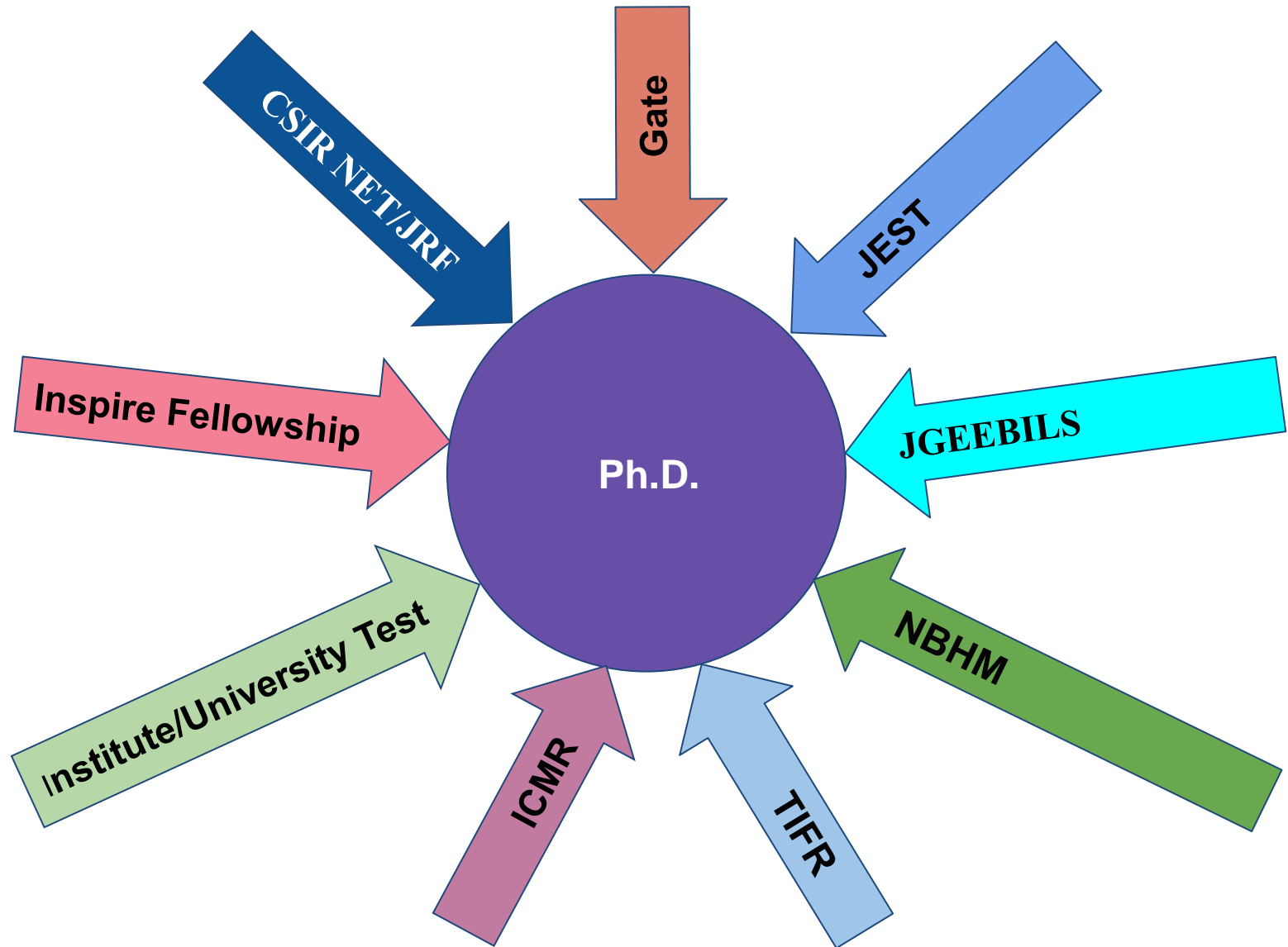
SEMESTER	Major - MJ (Disciplines- A & B)	Minor Disciplines- MI (Discipline- C)	Ability Enhancement Courses -AEC	Skill Enhancement- SEC	Summer Internship	Multidisciplin ary Courses	Value Added Courses - VAC	Dissertation/ Project/ Entrepreneurship	Total Credit / No. of courses
	Major - 15 (4 Credits)	Minor Disc.- 6 (4 Credits)	AEC -4 (2 Credits)	SEC- 3 (3 Credits)	Int./Proj./ Comm. Ser. -2 (4 Credits)	MDC-3 (3 Credits)	VAC -2 (4 Credits)	Dissertation/ Project/ Entp. 2	
I	Major -A1	Minor -C1	English Communication-1	SEC-1		MDC-1	VAC-1 (ENVS)		20 /6
II	Major -B1	Minor-C2	MIL (Bengali/Hindi) -1	SEC-2	Community Service (Add.)	MDC-2	VAC-2		20/ 6
YEAR-1	(2x4) 8	(2x4) 8	(2x2) 4	(3x2) 6	(+4)	(3x2) 6	(2x4) 8	-	40 (+4) 44
Exit option with Undergraduate Certificate (Multidisciplinary field of study) securing 44credits with Community Service (Additional 4 credits)									
III	Major -A2 Major -A3	Minor-C3	English Communication-2	SEC-3		MDC-3			20/ 6
IV	Major -B2 Major -B3 Major (Elect.) -1	Minor-C4	MIL (Bengali/Hindi) -2		Internship / Apprenticeship (any Discipline)				22/ 6
YEAR-2	(7x4) 28	(4x4) 16	(4x2) 8	(3x3) 9	4 (+4) 8	(3x3) 9	(2x4) 8	-	86
Students on Exit shall be awarded Undergraduate Diploma (in Multidisciplinary field of study) securing 86 credits									
V	Major-A4, A5, A6 Major (Elect.) -2	Minor- C5							20/ 5
VI	Major-B4, B5, B6 Major (Elect.) -3	Minor-C6							20/ 5
YEAR-3	(15x4) 60	(6x4) 24	(4x2) 8	(3x3) 9	4 (+4) 8	(3x3) 9	(2x4) 8		126
Students shall be awarded Bachelor Degree in Multidisciplinary field of studies securing 126 credits A, B & C – Three (03) Disciplines/ Subjects to be selected from Subject bunch/group of respective Multidisciplinary studies									

Why we study?

M.Sc., M.Sc.-PhD Integrated, M.Sc.-PhD dual degree program



Admission to Ph.D. programs in India



International tests for MS, Ph.D. program in foreign universities

- **Scholastic Aptitude Test (SAT)** (<https://collegereadiness.collegeboard.org/sat>)
- **Graduate Record Examination (GRE)** (<https://www.ets.org/gre>)
- **Test of English as Foreign Language (TOEFL)** (<https://www.ets.org/toefl>)
- **International English Language Testing System (IELTS)** (<https://www.ielts.org>)

For admission in USA & Canada :

Required tests: IELTS, TOEFL-iBT, General-GRE, Subject-GRE, SAT (for undergrad admission)

Admission process: Test scores, CV, SOP, LOR

European and other countries

Required tests: IELTS, TOEFL-iBT

Admission process: Test scores, CV, SOP, LOR

