



**JADAVPUR UNIVERSITY  
KOLKATA - 700032**

**GO No.1343-Edn(U)/1U-41/11(Pt) dt.07.12.2017  
EC Res. No. 18 Dated 12.11.2022**

**APPLICATION FORM FOR PROMOTION OF UNIVERSITY TEACHERS UNDER  
CAREER ADVANCEMENT SCHEME**

**From :  
Stage/Designation : Associate Prof. (Stage 4)**

**To :  
Stage/Designation : Professor (Stage 5)**

**(Assistant Professor Stage 1 to Stage 2, Stage 2 to Stage 3), Assistant Professor (Stage 3) to Associate Professor (Stage 4), Associate Professor (Stage 4) to Professor/equivalent cadres (Stage 5).**

**PART A : GENERAL INFORMATION AND ACADEMIC BACKGROUND**

1. Employee Id	080021
2. Full Name	PROLAY SHARMA
3. Father's Name / Mother's Name	PRAPHULLA SHARMA
4. Date of Birth	10-06-1979
5. Category	OBC-B <a href="#">Doc Link</a>
6. Differently Abled	No
7. Department / School	INSTRUMENTATION & ELECTRONICS ENGINEERING
8. Current Designation	Associate Professor
9. Academic Grade Pay (AGP) / Level	9000/13A
10. Highest Qualification	Ph.D
11. Date of last promotion , if any	12-04-2021 <a href="#">Doc Link</a>
12. Date of eligibility for promotion	12-04-2024
13. Assessment Period (in years)	3
14. Address for correspondence	Baidyapara Main Road, P.O.: Halisahar, Dist: North 24 Parganas, Pin:743134, Phone No. 8017645528, 8240223565
15. Permanent Address	Susheel Sarani, East Baruipara, P.O.: Halisahar, Dist: North 24 Parganas, Pin:743134, Phone No. 8017645528.
16. Mobile No.	8017645528
17. E-mail Id	prolay.sharma@jadavpuruniversity.in

## Part B. Academic Qualifications :

### A. Last Academic Qualifications (From graduation onwards excluding research degree(s)):

Degree/ Diploma	Name of the Board/ University	Year of Passing	(%)of Marks Obtained	Division/ Class/Grade	Subject(s)	Doc Link
M.TECH.	JADAVPUR UNIVERSITY	2006	77.75%	First Class	Instrumentation and Electronics Engineering	<a href="#">View</a>

### B. Research Degrees:

Degree	Title of Dissertation/Thesis	Date of Award	Name of the University	Doc Link
PH. D.	DEVELOPMENT OF QUARTZ CRYSTAL MICROBALANCE BASED ELECTRONIC NOSE FOR QUALITY ASSESSMENT OF BLACK TEA	31-08-2016	JADAVPUR UNIVERSITY	<a href="#">View</a>
M.TECH.	A COMPARATIVE STUDY OF THE EXTENDED KALMAN FILTER AND CONVERTED MEASUREMENT KALMAN IN 3 DOF AND 6 DOF SCENARIOS	03-08-2006	JADAVPUR UNIVERSITY	<a href="#">View</a>

## Part C. Professional Experience :

### A. Position(s) held Prior to Joining this University, if any:

Designation	Name of Employer	Date of Joining	Date of Leaving	Gross Salary	Reason for Leaving	Doc Link
	JIS College of Engineering	18-02-2003	30-12-2006	187200	Joining to Sasken Communication Technologies Ltd.	<a href="#">View</a>
	Sasken Communication Technologies Ltd., Bangalore	02-01-2007	31-03-2008	252000	Joining to Jadavpur University	<a href="#">View</a>

### B. Posts held after Appointment at the University :

Designation	Department/ School	From date	To date	Pay Scale	AGP/Level	Doc Link
Assistant Professor - Stage 1	INSTRUMENTA TION & ELECTRONICS ENGINEERING	12-04-2008	12-04-2013	15600-39100	6000/10	<a href="#">View</a>
Assistant Professor - Stage 2	INSTRUMENTA TION & ELECTRONICS ENGINEERING	12-04-2013	12-04-2018	15600-39100	7000/11	<a href="#">View</a>
Assistant Professor - Stage 3	INSTRUMENTA TION & ELECTRONICS ENGINEERING	12-04-2018	12-04-2021	15600-39100	8000/12	<a href="#">View</a>
Associate Professor - Stage 4	INSTRUMENTA TION & ELECTRONICS ENGINEERING	12-04-2021	12-04-2024	131400-217100	9000/13A	<a href="#">View</a>

## Part D. Teaching Experience :

### A.Period of Teaching and / or Research Experience :

Level of Classes	No. of Years
PG Classes	17
UG Classes	17
Post-doctoral Research	8
Doctoral Research	8

### B.Field(s) of Specialisation under the Subject/Discipline :

(A) SIGNAL PROCESSING AND COMMUNICATION  
(B) REMOTE CONTROL AND TELEMETRY  
(C) DIGITAL SIGNAL PROCESSING  
(D) ELECTRONIC SYSTEM DESIGN  
(E) ELECTRONIC OLFACTION  
(F) VLSI DESIGN

## Part E. Orientation / Induction Program(s) or Refresher / Short-term Course(s):

### Program(s) / Course(s) Attended :

Title of the Course	Place	Duration (No. of Weeks)	Period : From Date- To Date	Doc Link
FRONTIERS IN POWER ENGINEERING AND ENERGY SUSTAINABILITY	DEPARTMENT OF POWER ENGINEERING, JADAVPUR UNIVERSITY, KOLKATA.	3	08.06.2009 – 27.06.2009	<a href="#">View</a>
SECURITY IN WIRED AND WIRELESS NETWORKS	SCHOOL OF MOBILE COMPUTING AND COMMUNICATION, JADAVPUR UNIVERSITY, KOLKATA.	3	4.07.2011 – 23.07.2011	<a href="#">View</a>
ORIENTATION PROGRAM	UGC – ASC, JADAVPUR UNIVERSITY, KOLKATA	4	14.07.2014 – 11.08.2014	<a href="#">View</a>
APPLICATION OF MATLAB CONTROL SYSTEM IMAGE PROCESSING AND FUZZY LOGIC TOOL BOX	NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING & RESEARCH (NITTTR), KOLKATA	2	21-08-2017 TO 01-09-2017	<a href="#">View</a>
CHEMOMETRIC DATA PROCESSING FOR EXPRESS ANALYTICAL SYSTEMS IN AGRICULTURAL AND ENVIRONMENTAL STUDIES	DEPARTMENT OF INSTRUMENTATION AND ELECTRONICS ENGG, JADAVPUR UNIVERSITY, SALT LAKE CAMPUS, KOLKATA	1	2-12-2019 TO 7-12- 2019	<a href="#">View</a>

Title of the Course	Place	Duration (No. of Weeks)	Period : From Date- To Date	Doc Link
INTRODUCTION TO SOFT COMPUTING	NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING & RESEARCH (NITTTR), KOLKATA	2	20-01-2020 TO 31-01-2020	<a href="#">View</a>
MATLAB APPLICATION IN ENGINEERING	NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING & RESEARCH (NITTTR), KOLKATA	1	26/09/2022 TO 30/09/2022	<a href="#">View</a>
DATA ANALYTICS WITH PYTHON	NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING & RESEARCH (NITTTR), KOLKATA	1	10/10/2022 TO 14/10/2022	<a href="#">View</a>
DATA SCIENCE WITH MATLAB	NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING & RESEARCH (NITTTR), KOLKATA	2	7/11/2022 TO 18/11/2022	<a href="#">View</a>
R-PROGRAMMING	NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING & RESEARCH (NITTTR), KOLKATA	1	09/10/2023 TO 13/10/2023	<a href="#">View</a>
FUNDAMENTALS OF MACHINE LEARNING	NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING & RESEARCH (NITTTR), KOLKATA	1	25/09/2023 TO 29/09/2023	<a href="#">View</a>

## API SCORE CALCULATION MATRIX

### API CATEGORY : I. TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

Sl.No.	Nature of Activity	Max Marks	Hours spent per academic year	Self Appraisal Score	Verified API Score	Doc.Link(if any)
1.	Direct Teaching (self declaration)	60	628	60.00	60.00	<a href="#">View</a>
2.	Examination duties (question paper setting, Invigilation, evaluation of answer scripts etc.) (self declaration)	10	225	10.00	10.00	<a href="#">View</a>
3.	Innovative Teaching- learning methodologies, updating of subject contents/courses, mentoring etc. (self declaration)	20	235	20.00	20.00	<a href="#">View</a>
<b>Total</b>				<b>90.00</b>		

## API SCORE CALCULATION MATRIX

### CATEGORY II: PROFESSIONAL DEVELOPMENT, CO-CURRICULAR AND EXTENSION ACTIVITIES

Nature of Activity	Max Marks	Hours spent per academic year	Self Appraisal Score	Verified API Score	Doc.Link (if any)
a). Student related co-curricular, extension and field based activities. (i) Discipline related co-curricular activities (e.g. remedial classes, career counseling, study visit, student seminar and other events.) (ii) Other co-curricular activities (Cultural, Sports, NSS, NCC etc.). Extension and dissemination activities (public /popular lectures/talks/ seminars etc.)	15	170	15.00	15.00	<a href="#">View</a>
b). Contribution to corporate life and management of the department and institution through participation in academic and administrative committees and responsibilities. i). Administrative responsibility (including as Dean / Principal / Chairperson / Convener / Teacher-in-charge/ similar other duties that require regular office hrs for its discharge) ii). Participation in Board of Studies, Academic and Administrative Committees (Self declaration)	15	160	15.00	15.00	<a href="#">View</a>
c.) Professional Development activities (such as participation in seminars, conferences, short term training courses, industrial experience, talks, lectures in refreshers/faculty development courses, dissemination and general articles and any other contribution	15	160	15.00	15.00	<a href="#">View</a>
<b>Total</b>			<b>45.00</b>		

## API SCORE CALCULATION MATRIX

### CATEGORY III: Research and Academic Contribution

#### III-A : Journal Publication

Sl. No.	Yr.of Publ.	Title of the Paper	No.of authors	Role of Applicant	No.of authors in others category	Journal Name	Volume (Issue), pg no. from - to	Journal Type	Impact Factor (I.F)	I.F Doc link	Jrnl. Pub. Link	Self Appraisal Score	Verified API Score
1	2023	Development of a portable, low-cost QCM sensor-based device for detecting $\alpha$ -pinene in Indian cardamom	6	Corresponding author / supervisor / mentor	0	Microchemical Journal	Volume 195December 2023 Article number 109378	UGC Care List	4.900	<a href="#">View</a>	<a href="#">View</a>	30.25	30.25
2	2023	Composition-dependent dielectric and piezoelectric properties of Na <sub>1-z</sub> K <sub>z</sub> NbO <sub>3</sub> ceramics	8	Corresponding author / supervisor / mentor	0	Indian Journal of Pure and Applied Physics	Volume 61, Issue 5, Pages 335 - 3422023	UGC Care List	0.846	<a href="#">View</a>	<a href="#">View</a>	26.75	26.75
3	2023	Impedance Spectroscopy and AC Conductivity Analysis of (Ba <sub>1-k</sub> Ca <sub>k</sub> )(Zr <sub>0.1</sub> Ti <sub>0.9</sub> )O <sub>3</sub> , (0.140 $\leq k \leq$ 0.160), Ceramics	8	Corresponding author / supervisor / mentor	0	ECS Advances	Volume 2, Issue 41 December 2023 Article number 042001	UGC Care List	0.400	<a href="#">View</a>	<a href="#">View</a>	26.75	26.75
4	2023	Topologically Overlapped Fused LASSO Measure for Reconstructing Gene Regulation Networks	2	Corresponding author / supervisor / mentor	0	IETE Journal of Research	Pg- 1–vol: 11	UGC Care List	1.300	<a href="#">View</a>	<a href="#">View</a>	30.00	30.00
5	2023	Annealing Temperature-Dependent Structural, Optical, and Electrical Properties of [(Ba <sub>1-z</sub> Ca <sub>z</sub> )(Zr <sub>0.1</sub> Ti <sub>0.9</sub> )O <sub>3</sub> ], (z = 0.155), Films	4	Corresponding author / supervisor / mentor	0	ECS Journal of Solid State Science and Technology	Volume 12, Issue 2February 2023 Article number 023011	UGC Care List	1.800	<a href="#">View</a>	<a href="#">View</a>	28.50	28.50
6	2022	Development of a portable gas sensing platform with QCM sensors for volatiles of agro products	5	Corresponding author / supervisor / mentor	0	Journal of Materials NanoScience	vol. 9, no.1, pp. 115-119, 2022.	Other reputed journal as notified by UGC	0.000	None	<a href="#">View</a>	10.00	10.00

Sl. No.	Yr.of Publ.	Title of the Paper	No.of authors	Role of Applicant	No.of authors in others category	Journal Name	Volume (Issue), pg no. from - to	Journal Type	Impact Factor (I.F)	I.F Doc link	Jrnl. Pub. Link	Self Appraisal Score	Verified API Score
7	2022	A study of vegetable oil modified QCM sensor to detect $\beta$ -pinene in Indian cardamom	10	Corresponding author / supervisor / mentor	0	Talanta	Volume 2361 January 2022 Article number 122837	UGC Care List	5.600	<a href="#">View</a>	<a href="#">View</a>	32.00	32.00
8	2022	Temperature Dependent Dielectric and Structural Properties of (Ba <sub>1-x</sub> Cax)(Zr <sub>0.1</sub> Ti <sub>0.9</sub> )O <sub>3</sub> , ( $0.140 \leq x \leq 0.160$ ) Ceramics	3	Corresponding author / supervisor / mentor	0	ECS Journal of Solid State Science and Technology	Volume 11, Issue 4 April 2022 Article number 043007	UGC Care List	1.800	<a href="#">View</a>	<a href="#">View</a>	28.50	28.50
9	2022	Structural and Piezoelectric Properties of (Ba <sub>1-x</sub> CaxZr <sub>0.1</sub> Ti <sub>0.9</sub> )O <sub>3</sub> Ceramics, near Morphotropic Phase Boundary ( $0.140 \leq x \leq 0.160$ )	3	Corresponding author / supervisor / mentor	0	Indian Journal of Pure and Applied Physics	Volume 60, Issue 2, Pages 111 - 116 February 2022	UGC Care List	0.846	<a href="#">View</a>	<a href="#">View</a>	26.75	26.75
10	2022	Effect of Sintering on the Piezoelectric Properties and Microstructure of Lead Free (Ba <sub>1-x</sub> CaxZr <sub>0.1</sub> Ti <sub>0.9</sub> O <sub>3</sub> ) ( $x = 0.065$ ) Ceramics	3	Corresponding author / supervisor / mentor	0	Science of Sintering	Volume 54, Issue 2, Pages 201 - 2093 May 2022	UGC Care List	1.410	<a href="#">View</a>	<a href="#">View</a>	28.50	28.50
11	2021	Dielectric properties of Na <sub>1-x</sub> K <sub>x</sub> NbO <sub>3</sub> (NKN) ( $0.160 \leq x \leq 0.200$ ) ceramics synthesized by double sintered method	3	Corresponding author / supervisor / mentor	0	Ferroelectrics	Vol. 571, pp. 214–229, February, 2021.	UGC Care List	0.600	<a href="#">View</a>	<a href="#">View</a>	26.75	26.75
12	2021	Structural and electrical properties of lead free Na <sub>1-x</sub> K <sub>x</sub> NbO <sub>3</sub> ( $0.160 \leq x \leq 0.200$ ) ceramics	3	Corresponding author / supervisor / mentor	0	Ceramics International	Volume 47, Issue 10, Pages 13814 - 13819 15 2021	UGC Care List	5.100	<a href="#">View</a>	<a href="#">View</a>	32.00	32.00
13	2021	Composition Dependent Electrical Properties of (Ba <sub>1-x</sub> CaxZr <sub>0.1</sub> Ti <sub>0.9</sub> )O <sub>3</sub> Ceramics, Near Morphotropic Phase Boundary ( $0.140 \leq x \leq 0.160$ )	3	Corresponding author / supervisor / mentor	0	ECS Journal of Solid State Science and Technology	Volume 10, Issue 2021 Article number 033002	UGC Care List	1.800	<a href="#">View</a>	<a href="#">View</a>	28.50	28.50
14	2021	Development of QCM sensor to detect $\alpha$ -terpinyl acetate in cardamom	11	Corresponding author / supervisor / mentor	0	Sensors and Actuators, A: Physical	Volume 3191 March 2021 Article number 112521	UGC Care List	4.100	<a href="#">View</a>	<a href="#">View</a>	30.25	30.25

Sl. No.	Yr.of Publ.	Title of the Paper	No.of authors	Role of Applicant	No.of authors in others category	Journal Name	Volume (Issue), pg no. from - to	Journal Type	Impact Factor (I.F)	I.F Doc link	Jrnl. Pub. Link	Self Appraisal Score	Verified API Score
15	2021	Investigation on dielectric and optical properties of Ba <sub>1-x</sub> CaxZr <sub>0.1</sub> Ti <sub>0.9</sub> O <sub>3</sub> (x = 0.150) ferroelectric ceramics	7	Corresponding author / supervisor / mentor	0	Journal of Mountain Research	Vol. 16(2) Special Issue ICRAMS-2021, (2021), 279-286	UGC Care List	0.416	<a href="#">View</a>	<a href="#">View</a>	26.75	26.75
											<b>Total</b>	<b>412.25</b>	

### III-B(i): Publications other than journal articles

Sl. No.	Yr.of Publ.	Type of Publication	Title of the Chapter/ Paper	Title of the Book/ Proceedings	No.of authors	Name of Publisher	Status of Publisher	ISBN/ISSN No	Doc. Link	Self Appraisal Score	Verified API Score
1	2024	Book Chapter/ Conf. Proceedings	Discrimination of Indian cardamom using an array of QCM sensor	2024 IEEE 3rd International Conference on Control, Instrumentation, Energy and Communication, CIEC 2024	6	IEEE Instrumentation and Measurement Society	International	979-835031370-3	<a href="#">View</a>	1.67	1.67
2	2023	Book Chapter/ Conf. Proceedings	Detection of adulterated black pepper powder using a smartphone	International Conference on Systems and Technologies for Smart Agriculture ICSTA 2023 DECEMBER 19-20, 2023, KOLKATA	2	Springer	International	978-981-97-5157-0	<a href="#">View</a>	5.00	5.00
3	2023	Book Chapter/ Conf. Proceedings	Development of a Quartz Crystal Microbalance (QCM) Sensor for the Identification of $\beta$ -Pinene within Cumin	International Conference on Systems and Technologies for Smart Agriculture ICSTA 2023 DECEMBER 19-20, 2023, KOLKATA	4	Springer	International	978-981-97-5157-0	<a href="#">View</a>	2.50	2.50



Sl. No.	Yr.of Publ.	Type of Publication	Title of the Chapter/ Paper	Title of the Book/ Proceedings	No.of authors	Name of Publisher	Status of Publisher	ISBN/ISSN No	Doc. Link	Self Appraisal Score	Verified API Score
4	2023	Book Chapter/ Conf. Proceedings	Classification of Cardamom Samples Based on Concentration of Important Bio-chemical Constituents using InceptionV3 Driven Computer Vision System	International Conference on Systems and Technologies for Smart Agriculture ICSTA 2023 DECEMBER 19-20, 2023, KOLKATA	5	Springer	International	978-981-97-51 57-0	<a href="#">View</a>	2.00	2.00
5	2023	Book Chapter/ Conf. Proceedings	Discrimination of Different Varieties of Large Indian Cardamom Using NIR Spectroscopy	International Conference on Systems and Technologies for Smart Agriculture ICSTA 2023 DECEMBER 19-20, 2023, KOLKATA 2023, KOLKATA	7	Springer	International	978-981-97-51 57-0	<a href="#">View</a>	1.43	1.43
6	2022	Book Chapter/ Conf. Proceedings	Development of an oil film-coated QCM sensor for detection of $\beta$ -myrcene in black pepper	2nd International Conference on Emerging Frontiers in Electrical and Electronic Technologies, ICEFEET 2022	5	Institute of Electrical and Electronics Engineers Inc.	International	978-16654887 5-4	<a href="#">View</a>	2.00	2.00
7	2022	Book Chapter/ Conf. Proceedings	SmartCovSens: A Multimodal Approach for Detection of COVID-19	EAI/Springer Innovations in Communication and Computing Pages 285 – 3102022	10	Springer Science and Business Media Deutschland GmbH	International	25228595	<a href="#">View</a>	1.00	1.00
8	2021	Book Chapter/ Conf. Proceedings	PID Control Parameter Tuning Using Linear Multivariate Model	Chapter 30 in the book titled "Applications of Networks, Sensors and Autonomous Systems Analytics, Studies in Autonomic, Data-driven and Industrial Computing" Springer Nature	5	Springer	International	978-981-16-73 05-4	<a href="#">View</a>	2.00	2.00
									<b>Total</b>	<b>17.60</b>	

**III-B(ii): Referring of Journal Papers from UGC list**

Sl. No.	Journal Name	Title of the paper	Year of review submission	Review Invitation Letter link	Review submission document link	Self Appraisal Score	Verified API Score
					Total	None	

**CATEGORY III-C: Research Projects****III-C (i): Sponsored Project**

Sl. No.	Area of the Applicant	Title of the Project	Name of the Funding Agency	Duration (no.of years)	Grant Sanctioned (in Lkhs)	Upload Grant Letter link	Self Appraisal Score	Verified API Score
						Total	None	

**III-C (ii): Consultancy Project**

Sl. No.	Area of the Applicant	Title of the Project	Name of the Funding Agency	Duration (no.of years)	Amount Mobilized	Upload Grant Letter link	Self Appraisal Score	Verified API Score
						Total	None	

**III-C (iii): Projects Outcome/Output**

Sl. No.	Area of the Applicant	Type	Title	Level	Doc.No./ Patent No/ Other ref. no	Status (if patent only)	Upload doc.link	Self Appraisal Score	Verified API Score
1	Engineering & Technology	Patent	AUTONOMOUS UNDERWATER REPAIR SYSTEM	National	App. Number-202431026881 Ref. No./ Application No TEMP/ E-1/30856/2024-KOL	Filed	<a href="#">View</a>	20.00	20.00
2	Engineering & Technology	Patent	A quartz crystal microbalance (qcm) based mass sensitive device for accurate detection of geranoil in food samples	National	Patent no: 527532	Granted	<a href="#">View</a>	20.00	20.00
							Total	40.00	

### III-D: Research Guidance

Sl. No.	Name of the Student	Degree	Title of the Thesis	Status	Document Link	Self API Score	Verified API Score
1	Aurpan Majumdar	PhD	Development of some Transcription Factor Regulatory Network Architectures for Differentially Expressed Genes	Degree awarded	<a href="#">View</a>	15.00	15.00
2	Don Biswas	PhD	Dielectric and piezoelectric properties of Barium Calcium Zirconium Titanate ( $Ba_{1-x}Ca_xZr_{1-y}Ti_y$ ) O <sub>3</sub> , near polymorphic phase boundary	Degree awarded	<a href="#">View</a>	15.00	15.00
3	Nilava Debabhuti	PhD	Development of QCM Gas Sensors for the detection of important volatile organic compounds from a few Indian spices	Degree awarded	<a href="#">View</a>	15.00	15.00
4	Writi Mirta Sarkar	PhD	Quality Assessment of Agricultural Products using Image Processing	Ph.D Registered	<a href="#">View</a>	5.00	5.00
5	Subhojit Malik	PhD	Quality Assessment of Agricultural Products using Gas Sensors and Image Processing Techniques	Ph.D Registered	<a href="#">View</a>	5.00	5.00
6	Amrik Basak	PhD	Development of an electronic nose with a Quartz Crystal Microbalance (QCM) sensor to evaluate the quality of Indian cinnamon	Ph.D Registered	<a href="#">View</a>	5.00	5.00
7	Rajiv Pradhan	PhD	On the Minimization of Multiplier-adders for Powers-of-two Filter using a Novel Right to Left (R2L) Algorithm	Ph.D Registered	<a href="#">View</a>	5.00	5.00
8	Puja Hira	Mtech	Development of QCM sensor to detect beta-caryophyllene in black paper	Degree awarded	<a href="#">View</a>	5.00	5.00
9	Sahil Sengupta	Mtech	An artificial Nose System for Aroma analysis and classification	Degree awarded	<a href="#">View</a>	5.00	5.00
10	Soumil Bandyopadhyay	Mtech	Diagnostics Robustness Study Using Hardware in Loop Simulation Model	Degree awarded	<a href="#">View</a>	5.00	5.00
					<b>Total</b>	<b>80.00</b>	

### III-E : Fellowships, Awards and Invited lectures delivered in conferences / seminars

#### III-E : (i) Fellowship / Award from Academic Bodies/Associations

Sl. No.	Type	Name of the Fellowship/Award	Name of the Awarding Body/Association	Level	Document Link	Self Appraisal Score	Verified API Score
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						<b>Total</b>	<b>None</b>	
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### III-E : (ii) Invited Lecture / Paper presented

Sl. No.	Type	Title of the Lecture/ Paper	Name of the Conference/ Seminar/ Workshop	Organized by	Venue	Duration	Level	Document Link	Self Appraisal Score	Verified API Score
1	Invited Lecture	Quality assessment of agricultural products using Electronic nose	Deliver a keynote lecture in the international conference namely, " International Conference on Integrative Science and Engineering (ICISE 2023) ", on 28th September 2023, Swami Vivekananda University, Barrackpore, Kolkata	Swami Vivekananda University, Barrackpore, Kolkata, West Bengal 700121	Swami Vivekananda University, Barrackpore, Kolkata, West Bengal 700121	3	International	<a href="#">View</a>	7.00	7.00
2	Paper presented	Discrimination of Indian cardamom using an array of QCM sensor	2024 IEEE 3rd International Conference on Control, Instrumentation, Energy and Communication, CIEC 2024	Department of Applied Physics, University of Calcutta, India	University of Calcutta, India	3	International	<a href="#">View</a>	5.00	5.00
								<b>Total</b>	<b>12.00</b>	

### III-E (iii): e-Learning Delivery Process/Material

Sl. No.	Name of the Module	Name of the Course	Name of the Program	Document Link	Self Appraisal Score	Verified API Score
1	All Modules	Digital Signal Processing	BIEE	<a href="#">View</a>	10.00	10.00
2	All Modules	Signal Transmission & Communication Systems	BIEE	<a href="#">View</a>	10.00	10.00
3	All Modules	VLSI design	BIEE	<a href="#">View</a>	10.00	10.00
4	All Modules	Remote Control and Telemetry	BIEE	<a href="#">View</a>	10.00	10.00
				<b>Total</b>	<b>40.00</b>	



**JADAVPUR UNIVERSITY**  
**KOLKATA - 700032**

**PROLAY SHARMA - Final Report**

Stage / Designation From:	Associate Prof. (Stage 4)
Stage / Designation To:	Professor (Stage 5)
Date of last promotion( if any ) :	12-04-2021
Date of eligibility for promotion :	12-04-2024
Assessment Period (no.of years):	3

**API Score Summary**

Category	Period	Self Appraisal Score	Status
I	Yearly	90.00	Criteria Satisfied
II	Assessment Period	135.00	Criteria Satisfied
III	Assessment Period	601.85	Criteria Satisfied
II + III	Assessment Period	736.85	Criteria Satisfied

Signature of Applicant



JADAVPUR UNIVERSITY  
KOLKATA - 700032

**Career Advancement Scheme(CAS)  
Forwarding Letter**

To  
The Registrar  
Jadavpur University

Dear Madam,

Prof./Dr./Mr./Ms. PROLAY SHARMA, a faculty member in the Department/School of INSTRUMENTATION & ELECTRONICS ENGINEERING, is applying for promotion under the "Carrier advancement scheme (CAS)" from Associate Prof. (Stage-4) to Professor (Stage 5).

I forward his/her application for submission to the University and for due consideration.

Thanking you

*Raj Bandyopadhyay*

Dean, Faculty of Engineering and Technology

Date: 15.1.2025



**DEAN**  
Faculty of Engineering & Technology  
JADAVPUR UNIVERSITY  
KOLKATA-700 032

Seal: