

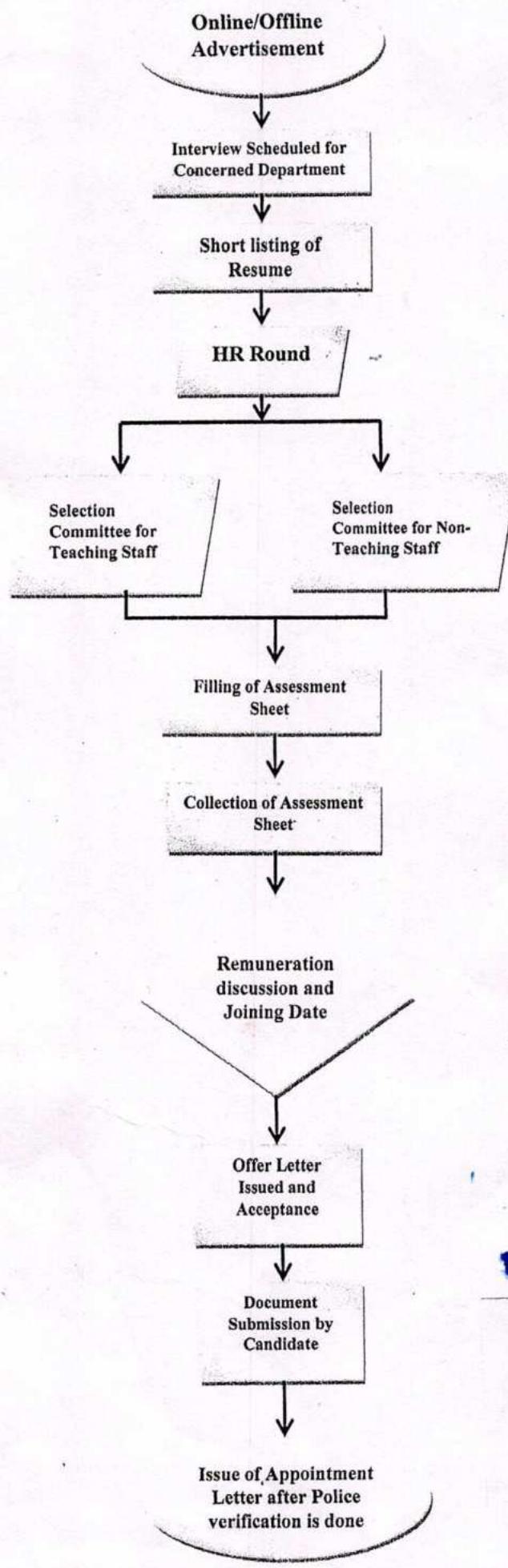
## INDEX

Criterion no: 6.2.2

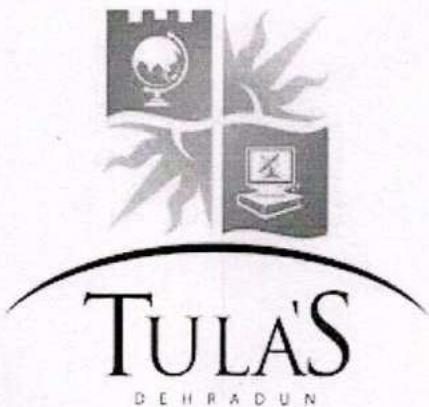
Criterion Details: The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules and procedures, etc.

S. No.	Particulars	Annexure. No
1	Recruitment process Flow Chart	<u>Annexure 1</u>
2	HR. Policy	<u>Annexure 2</u>
3	Sample Application For Recruitment	<u>Annexure 3</u>
4	Sample Application	<u>Annexure 4</u>
5	Sample Joining Report	<u>Annexure 5</u>
6	Confirmation of Appointment	<u>Annexure 6</u>
7	Responsibility of Faculty Members	<u>Annexure 7</u>
8	Faculty Promotion Policy	<u>Annexure 8</u>
9	Selection Committee Letter from VC	<u>Annexure 9</u>
10	MOM with approval of candidate's selection	<u>Annexure 10</u>
11	Letter of Promotion	<u>Annexure 11</u>
12	Application For Promotion	<u>Annexure 12</u>
13	Promotion Letter	<u>Annexure 13</u>
14	Grievance Redressal Mechanism For Faculty/staff	<u>Annexure 14</u>
15	Complaint And Redressal	<u>Annexure 15</u>

# Recruitment Process

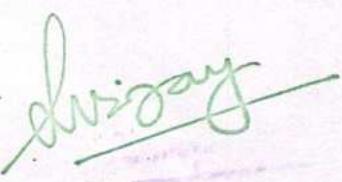


*Shivay*  
 Director  
 TULAS Institute, Dehradun

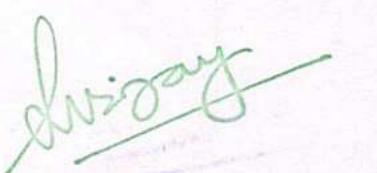


## Tula's Institute

### Faculty Appraisal Policy

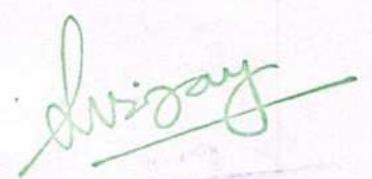
  
Dr. Jayant K. Srivastava  
Director  
Tula's Institute, Dehradun

Date effective from	
Purpose	The Performance appraisal provides an annual written review of individual performance, in the context of the ongoing performance appraisal process. It is designed to facilitate constructive discussion between the employee and supervisor in order to clarify performance objectives, provide feedback about the employee's performance with respect to skills and behavior, provide a framework for identifying employee career advancement and opportunities and to serve as a basis for arriving at decisions objectively. Supervisors are responsible for completing the annual performance self-appraisal of the employees under them, as part of the performance appraisal process.
Scope	<p>This system helps to identify the skill gaps and talent too. The self-appraisal, as well as supervisor's appraisal system brings the co-relation of the departmental output and transparency of the actual situation, and provide an opportunity for the developmental programs.</p> <p>i) UGC has introduced a system of performance appraisal of teachers in Universities and Colleges stating that the record of performance evaluation made by teachers and duly verified by the institution would be a document which should be the basis for recognition of excellence in performance as well as further improving the overall efficiency of the system which should be open, participatory and data based.</p>



Dr. Jayant Patel  
Director  
Tula's Institute, Dehradun

	<p>ii) For Non-teaching staff, there is a performance self-appraisal system in place. It covers all the Administrative staff of the Institution, which is further appraised by their respective superiors. The performance appraisal is open and objective based and forms the basis for promotion, sanction of annual increments etc.,</p>
Process	<p>The performance of staff is reflected through a single index called Staff Performance Index based on feedback from head of Department, Dean and recommendation from the Director for faculty members and feedback from Registrar for the non-teaching staff. This is measured and monitored separately for teaching and non-teaching staff of institution to evaluate each faculty and based on the results, promotion and increments are awarded to the faculty.</p> <p><b><u>Faculty Performance Appraisal is based on the following Process:</u></b></p> <p>Annual performance Appraisal System is done for teaching and non-teaching staff of institution and is conducted every year after completion of respective academic year around the month of July-August.</p> <p>The institution has categorized teaching staff performance as per norms received from the regulatory bodies into four main components such as Academic activity, Research activity, Extension activity and Administrative activity.</p>



Dr. S. K. Srivastava  
Director  
Tula's Institute, Dehradun

**STAFF PERFORMANCE INDEX SCORING SYSTEM FOR THE FACULTIES OF TULA'S INSTITUTE**

Faculty will fill the appraisal form and send it through respective head of Department / Deans / Principals and who in turn send it to the Director for further recommendation.

Head and Dean / Principal discuss with the faculty member about their Performance with respect to the Staff Performance index(SPI) and future plans for the expansion of department and institution.

Based on the discussion with the faculty members and SPI score, the appraisal committee members decide the Promotion and Increments for the faculty and also give suggestions for the betterment of their future.

The institution has categorized teaching staff performance as per norms given by regulatory bodies into four main components such as Academic activity, Research activity, Extension activity and Administrative activity.

Category I (A): Teaching, Learning and Evaluation related activities

(i) Maximum SPI score available: 50

Category I (B): Feedback Score

(ii) Maximum SPI score available: 10

Category II: Co-curricular, Extension & Professional development related additional activities:

(iii) Maximum SPI score available: 20

Category III(A): Research Activities, Patents and Publications

Maximum SPI score available:

20

*Divyanshu*  
Director  
Tula's Institute, Dehradun 7

	<p>Category III(B): Details of Books/Chapters Published</p> <p>Maximum SPI score available: 05</p>
	<p>Category III(C): Details of workshops/ STC Attended and Organized</p> <p>Maximum SPI score available: 10</p>
	<p>Category III(D): Any Grant/ Fund received from any agency</p> <p>Maximum SPI score available: 05</p>
	<p>Category IV: Administrative activity</p> <p>Maximum SPI score available: 20</p>
	<p>Category V: HoD Recommendation with appraisal score</p> <p>Maximum SPI score available: 10</p>



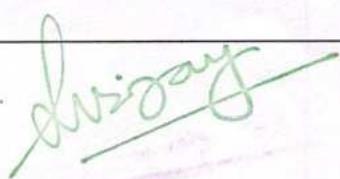
Dr. Jayant Singh  
 Director  
 Tula's Institute, Dehradun

The Performance Appraisal Methodology for SPI Scoring.

Methodology of Finalization of yearly SPI Score of Individual Faculty – member.

- (i) Individual Faculty-member would submit the Performance Based Appraisal System (PBAS) proforma duly filled by themselves enclosing all evidences and the calculated API score of the three categories.
- (ii) Each of the filled up PBAS proforma will be authenticated and forwarded to the Dean of Faculties by the respective Head of the Department.
- (iii) (Dean/Principal) will further forward it to Director for his final recommendation.

For the score claimed, each faculty member needs to provide evidences/justification documents along with the SPI Score form/Performance Based Appraisal System (PBAS) proforma.



Director  
Tula's Institute, Dehradun

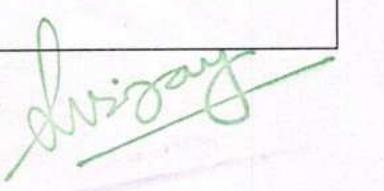
**Non Teaching staff Performance Appraisal is based on the following Process:**

The performance appraisal cycle is based on Academic / Financial year.

- The performance appraisal for all employees under probation shall be done on completion of one year from their date of joining upon which their employment will be confirmed or terminated or probation may be extended, based on their performance evaluation.
- The performance appraisal of non-teaching staff shall be done every year.
- Annual Increments & promotions for all staff shall be granted based purely on performance of the individual.
- All employees in the Tula's Institute shall be appraised by the immediate superior / Reviewing Authority followed by the recommendation from Registrar.
- The appraisal parameters depend on the category and their performance attributes.
  - Administrative staff
  - Lab Technicians
  - Supportive Services Staff
- The performance appraisal copy filled by the employee.
- The following dimensions would broadly describe all jobs:
  - Staff Regularity in attendance.
  - Sincerity to his/her work
  - Courteousness and helpful to the student.
  - Knowledge of staff member in his/her job
  - Innovation of staff in his/her work
  - Initiative in the assigned work
  - Initiative to upgrade his/her qualification in his/her

	<p>domain area.</p> <ul style="list-style-type: none"> <li>• Inter-personal relationships with his/her Superiors, Colleagues &amp; Subordinates</li> <li>• Loyalty for Institute</li> <li>• Cleanliness &amp; Organization of work place</li> </ul> <p>Performance Review:</p> <ul style="list-style-type: none"> <li>➤ Self-assessment shall be done against each KRA which is agreed upon at the beginning of the academic year.</li> <li>➤ Self-assessment provides data to the immediate superior for the performance appraisal discussion and improvement action plan.</li> </ul>
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Prepared by	Verified by	Approved by



Director  
Tula's Institute, Dehradun



### Faculty Self-Appraisal Form

#### A. Result Calculations (50)

##### Subject-1

Subject Code:		Semester/Branch:		Total no. of Students(N) =
S.No.	Score of Students	Number of Students	Multiplier	CGPA(5)
1.	90% & Above	N <sub>5</sub>	5	
2.	80-90%	N <sub>4</sub>	4	
3.	70%-80%	N <sub>3</sub>	3	
4.	60%-70%	N <sub>2</sub>	2	
5.	50%-60%	N <sub>1</sub>	1	

##### Subject-2

Subject Code:		Semester/Branch:		Total no. of Students(N) =
S.No.	Score of Students	Number of Students	Multiplier	CGPA(5)
1.	90% & Above	N <sub>5</sub>	5	
2.	80-90%	N <sub>4</sub>	4	
3.	70%-80%	N <sub>3</sub>	3	
4.	60%-70%	N <sub>2</sub>	2	
5.	50%-60%	N <sub>1</sub>	1	

##### Subject-3

Subject Code:		Semester/Branch:		Total no. of Students(N) =
S.No.	Score of Students	Number of Students	Multiplier	CGPA(5)
6.	90% & Above	N <sub>5</sub>	5	
7.	80-90%	N <sub>4</sub>	4	
8.	70%-80%	N <sub>3</sub>	3	
9.	60%-70%	N <sub>2</sub>	2	
10.	50%-60%	N <sub>1</sub>	1	

*divyay*

Director  
Tula's Institute, Dehradun



### Subject-4

Subject Code:		Semester/Branch:		Total no. of Students(N) =
S.No.	Score of Students	Number of Students	Multiplier	CGPA(5)
6.	90% & Above	N <sub>5</sub>	5	
7.	80-90%	N <sub>4</sub>	4	
8.	70%-80%	N <sub>3</sub>	3	
9.	60%-70%	N <sub>2</sub>	2	
10.	50%-60%	N <sub>1</sub>	1	

### Subject-5

Subject Code:		Semester/Branch:		Total no. of Students(N) =
S.No.	Score of Students	Number of Students	Multiplier	CGPA(5)
1.	90% & Above	N <sub>5</sub>	5	
2.	80-90%	N <sub>4</sub>	4	
3.	70%-80%	N <sub>3</sub>	3	
4.	60%-70%	N <sub>2</sub>	2	
5.	50%-60%	N <sub>1</sub>	1	

$$\text{CGPA} = \frac{5N_5 + 4N_4 + 3N_3 + 2N_2 + N_1}{N}$$

Overall Result Calculations:

S.No.	Result Calculations	CGPA*Score	Net Score
1.	Theoretical Subject	CGPA*7.5	
2.	Semi Numerical Subject	CGPA*8.5	
3.	Numerical Subject	CGPA*10	
	<b>Average Score(50)</b>		

### B. Feedback Calculations (10)

Feedback Calculations	More than 90%	80-90	70-80	60-70	Less than 60	Net Score
Subject-1	10	9	8	7	0	
Subject-2	10	9	8	7	0	
Subject-2	10	9	8	7	0	
Subject-2	10	9	8	7	0	
Subject-2	10	9	8	7	0	
<b>Average(10)</b>						

### C. Additional Responsibilities (30)

S.No.	Nature of Responsibility	Duties Performed	Marks	Verified by HoD
1.	Proctor/ICC		02	
2.	Warden		02	
3.	PERC Member		02	
4.	Committee Head		04	
5.	MOOCs Developed/Qualified		10/02 per qualified course	
6.	Developed Innovative Study Material/Video Lectures		02	
7.	Extension Activities Organized		02 Marks each activity (Maximum 10 Marks)	
8.	Participation in competitive exam preparation of students		04	
9.	No. of Hours spent in Library		04	
10.	Faculty Awards/Recognition from External Agency		02	
11.	Contribution in Induction Program of Students/Training of Non-Teaching Staff		02	
12.	Conduction of Industrial Tours/Industrial Collaboration		02	
13.	Project /Seminar Incharge		02	
14.	Innovation in Teaching Methodology		02	
15.	Any Committee Member		02	
16.	Chief Proctor		10	
17.	Admission Cell Duties		10	
18.	Any Additional responsibility		02 each	
<b>Maximum Score (30)</b>				<i>Shivay</i>

Director  
Tula's Institute, Dehradun



**D. Publications, Book Chapters & Patents (Session : 2021-22) (60)**

	Number of papers	Marks For each paper (1 <sup>st</sup> /2 <sup>nd</sup> /3 <sup>rd</sup> /4 <sup>th</sup> Author)	Total Marks
National Conferences/ International Conferences(Scopus/IEEE/Springer/Elsevier /Taylor-Francis)		4/3/2/1	
SCI/Nature Journal		15/10/7.5/5	
Scopus/ABDC/NAAS(Above 5 rating)		8/6/4/2	
UGC Care		6/4/2/1	
Patents		10/8/6/4	
<b>Total (60)</b>			

**E. Details of Books/Chapters Published (10)**

	Title	Publication	Year	Marks (1 <sup>st</sup> /2 <sup>nd</sup> /3 <sup>rd</sup> Author)	Total Marks
No. of books published				10/7/5	
No. of Book Chapter Published				2/1	

**F. Details of Workshops/STC Attended and Organised (10)**

	Workshops	STC	Marks for each	Total Marks
Organized			10	
Attended			02	
Total				

*divyanshu*

Director  
Tula's Institute, Dehradun



# TULA'S DEHRADUN INSTITUTE

\*Approved by AICTE, Ministry of HRD, Govt. of India \* ISO 9001:2015

Affiliated: \*Uttarakhand Technical University \* Sri Dev Suman Uttarakhand University \*Uttarakhand Board of Technical Education

## G. Research Project/Consultancy received from any agency: please specify the details of the project (20)

S.No.	Project/Consultancy Title	Funding Agency	Amount Sanctioned	Marks for each(20)
1.				
2.				

## H. HoD Recommendation with appraisal score (10)

S.No.	Parameters	Score
1.	Punctuality	
2.	Initiatives for departmental Duties	
3.	Teaching Methods & Innovations	
4.	Execution of Responsibilities	
5.	Role as a Mentor	
	Total	

S.No.	A (50)	B (10)	C (30)	D (60)	E (10)	F (10)	G (20)	H (10)	Total (200)
Score									

Recommendations of Dean Academics/Dean (M&A):

Director  
Tula's Institute, Dehradun

Director's Recommendations:

## Faculty Self-Appraisal Form

### A. Result Calculations (50)

Subject-1 Adhoc wireless Network

Subject Code:		Semester/Branch:	Total no. of Students(N) =	
BCST-702		VII <sup>th</sup> / CSE	113	
S.No.	Score of Students	Number of Students	Multiplier	CGPA(5)
1.	90% & Above		5	Awaived
2.	80-90%		4	
3.	70%-80%		3	
4.	60%-70%		2	
5.	50%-60%		1	

Subject-2 Software Engineering

Subject Code:		Semester/Branch:	Total no. of Students(N) =	
IV <sup>th</sup> / CSE			127	
S.No.	Score of Students	Number of Students	Multiplier	CGPA(5)
1.	90% & Above		5	Awaived
2.	80-90%		4	
3.	70%-80%		3	
4.	60%-70%		2	
5.	50%-60%		1	

Subject-3

Subject Code:		Semester/Branch:	Total no. of Students(N) =	
S.No.	Score of Students	Number of Students	Multiplier	CGPA(5)
6.	90% & Above		5	<i>Ansible</i>
7.	80-90%		4	
8.	70%-80%		3	
9.	60%-70%		2	
10.	50%-60%		1	

Director  
Tula's Institute, Dehradun

**Subject-4**

Subject Code:		Semester/Branch:		Total no. of Students(N) =
S.No.	Score of Students	Number of Students	Multiplier	CGPA(5)
6.	90% & Above		5	
7.	80-90%		4	
8.	70%-80%		3	
9.	60%-70%	†	2	
10.	50%-60%		1	

**Subject-5**

Subject Code:		Semester/Branch:		Total no. of Students(N) =
S.No.	Score of Students	Number of Students	Multiplier	CGPA(5)
1.	90% & Above		5	
2.	80-90%		4	
3.	70%-80%		3	
4.	60%-70%		2	
5.	50%-60%		1	

$$\text{CGPA} = \frac{5N5 + 4N4 + 3N3 + 2N2 + N1}{N}$$

Overall Result Calculations:

S.No.	Result Calculations	CGPA*Score	Net Score
1.	Theoretical Subject	CGPA*7.5	
2.	Semi Numerical Subject	CGPA*8.5	
3.	Numerical Subject	CGPA*10	
		Average Score(50)	

**B. Feedback Calculations (10)**

Feedback Calculations	More than 90%	80-90	70-80	60-70	Less than 60	Net Score
Average(10)						

 Director  
 Tula's Institute, Dehradun

### C. Additional Responsibilities (30)

S.No.	Nature of Responsibility	Duties Performed	Marks	Verified by HoD
1.	Proctor/ICC	—	02	
2.	Warden	—	02	
3.	PERC Member	—	02	
4.	Committee Head	—	04	
5.	MOOCs Developed/Qualified	—	10/02 per qualified course	
6.	Developed Innovative Study Material/Video Lectures	—	02	
7.	Extension Activities Organized	—	02 Marks each activity (Maximum 10 Marks)	
8.	Participation in competitive exam preparation of students	—	04	
9.	No. of Hours spent in Library	—	04	
10.	Faculty Awards/Recognition from External Agency	—	02	
11.	Contribution in Induction Program of Students/Training of Non-Teaching Staff	—	02	
12.	Conduction of Industrial Tours/Industrial Collaboration	—	02	
13.	Project /Seminar Incharge	02	02	02
14.	Innovation in Teaching Methodology	02	02	02
15.	Any Committee Member	—	02	
16.	Chief Proctor	—	10	
17.	Admission Cell Duties	—	10	
18.	Any Additional responsibility	Timetable Coordinator fees Mentor Class Mentor Hackathon Coordinator Placement Coordinator	02 each 02 02 02 02	01 01 01 01
		Maximum Score (30)		



# TULA'S

## DEHRADUN INSTITUTE

Approved by AICTE, Ministry of HRD, Govt. of India ISO 9001:2015

Affiliated: Uttarakhand Technical University Sri Dev Suman Uttarakhand University Uttarakhand Board of Technical Education

### D. Publications, Book Chapters & Patents (Session : 2022-23) (60)

	Number of papers	Marks For each paper (1 <sup>st</sup> /2 <sup>nd</sup> /3 <sup>rd</sup> /4 <sup>th</sup> Author)	Total Marks
National Conferences/ International Conferences(Scopus/IEEE/Springer/Elsevier/Taylor-Francis)	03	4/3/2/1	09 (II <sup>nd</sup> author)
SCI/Nature Journal	-	15/10/7.5/5	
Scopus/ABDC/NAAS(Above 5 rating)	-	8/6/4/2	
UGC Care	-	6/4/2/1	
(1) 2 <sup>nd</sup> Author      Patents (4) 4 <sup>th</sup> Author (2) 2 <sup>nd</sup> Author      (5) 2 <sup>nd</sup> Author (3) 2 <sup>nd</sup> Author      (6) 2 <sup>nd</sup> Author		10/8/6/4	.44
		Total (60)	53

### E. Details of Books/Chapters Published (Session : 2022-23) (10)

	Title	Publication	Year	Marks (1 <sup>st</sup> /2 <sup>nd</sup> /3 <sup>rd</sup> Author)	Total Marks
No. of books published				10/7/5	
No. of Book Chapter Published	- Communicated			2/1	01

### F. Details of Workshops/STC Attended and Organised (Session : 2022-23) (10)

	Workshops	STC	Marks for each	Total Marks
Organized	Cyber Security		10	10
Attended			02	
Total				

① FDP on futuristic trends in CS & IT (2)  
Graphic Era Hill University

② FDP on Creativity, Innovation & Design thinking (2)

③ FDP on Cyber Security (TCT Academy) (2)



# TULA'S DEHRADUN

INSTITUTE

Approved by AICTE, Ministry of HRD, Govt. of India ISO 9001:2015

Affiliated: Uttarakhand Technical University Sri Dev Suman Uttarakhand University Uttarakhand Board of Technical Education

**G. Research Project/Consultancy received from any agency: please specify the details of the project (Session : 2022-23) (20)**

S.No.	Project/Consultancy Title	Funding Agency	Amount Sanctioned	Marks for each(20)
1.				
2.				

**H. HoD Recommendation with appraisal score (10)**

S.No.	Parameters	Score
1.	Punctuality	10
2.	Initiatives for departmental Duties	09
3.	Teaching Methods & Innovations	08
4.	Execution of Responsibilities	10
5.	Role as a Mentor	09
	Total	46

S.No.	A (50)	B (10)	C (30)	D (60)	E (10)	F (10)	G (20)	H (10)	Total (200)
Score			70	50	51	10	10	9	95

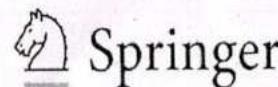
**Recommendations of Dean Academics/Dean (M&A):**

- Good interaction with the students.
- feedback from students is 0%.
- Recommended for the approval of 121L-15K.

**Director's Recommendations:**

*Chark*  
*Divyay*  
Director  
Tula's Institute, Dehradun

AICTC-2022



**4<sup>TH</sup> INTERNATIONAL CONFERENCE ON ADVANCES IN  
INFORMATION COMMUNICATION TECHNOLOGY & COMPUTING**

**CERTIFICATE OF PRESENTATION**

Presented to

Mrs. Ritu Pal

of Assistant professor of Computer Science Department Tula's Institute, Dehradun  
For Presenting the PAPER

Unconventional to Automated Attendance Marking using Image Processing

In 4<sup>th</sup> International Conference on Advances in Information Communication Technology & Computing (AICTC) on 17-18 December 2022, organized by BMK Global Foundation in Association with Springer

A handwritten signature in black ink that appears to read "Manoj Kuri".

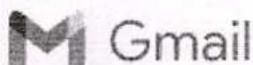
DR. MANOJ KURI  
CONFERENCE CHAIR

A handwritten signature in blue ink that appears to read "Director, Tula's Institute, Dehradun".

Director  
Tula's Institute, Dehradun

A handwritten signature in blue ink that appears to read "Dr. Vishal Gaur".

DR. VISHAL GAUR  
GENERAL CHAIR



Ritu Pal &lt;ritu.pal26@gmail.com&gt;

## ICE-TEAS 2023 Parer Acceptance Mail Paper ID 228

1 message

Microsoft CMT &lt;email@msr-cmt.org&gt;

Sat, Jan 21, 2023 at 8:44 AM

Reply-To: Vijay Singh Rathore &lt;dr.vijaysinghrathore.cse@jecrc.ac.in&gt;

To: Ritu Pal &lt;ritu.pal26@gmail.com&gt;

Dear Ritu Pal

Congratulations!

On behalf of the ICE-TEAS 2023 Technical Program Committee, we are pleased to inform you that your paper

Paper id: 228

Title: AUTOMATIC SPEED CONTROL OF VEHICLES IN SPEED LIMIT ZONES USING IR SENSOR

has been ACCEPTED as a REGULAR paper for PRESENTATION at ICE-TEAS 2023.

After reviewing your manuscript, the committee discovered and suggested that it should be at least 10 pages in your camera ready copy

Guideline:

1. Each paper must not exceed TEN (10) pages including figures and references. Papers beyond TEN (10) pages are subject to page surcharges. Kindly submit the Camera Ready Copy (CRC) and register by January 23, 2023, to avail early bird discount. The last date for submitting Camera Ready Copy (CRC) is January 23, 2023.

2. In order for your paper to be published in the ICE-TEAS 2023 conference proceedings, a signed Springer Copyright Form (Consent to Publish) must be simultaneously submitted for each of your accepted paper(s). Click on the link for the Copyright form:

[https://docs.google.com/document/d/1JIBUIMQe3gAA9mrYaNrnceiX4\\_\\_bV18T/edit?usp=share\\_link&oid=117603151845598418634&rtpof=true&sd=true](https://docs.google.com/document/d/1JIBUIMQe3gAA9mrYaNrnceiX4__bV18T/edit?usp=share_link&oid=117603151845598418634&rtpof=true&sd=true)

3. Register your accepted paper for the conference by clicking on this link:  
<https://forms.gle/4kERzPo4RSPbSNR97>

\*\*\*EarlyBird Registration deadline (on/before): January 23, 2023\*\*\*

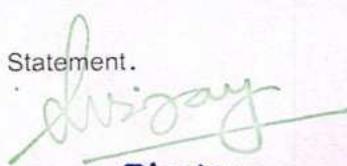
Thanks,  
Team ICE-TEAS 2023

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Vijay Singh Rathore  
Director  
Tula's Institute, Dehradun

☰ M Gmail

Q A Platform of CRM and Analytics to improve a Business using Seller Pathway

X E

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**Updates** 2,665

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**Promotions**

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**InCITe 2023: Review Process**

Inbox x



InCITe2023 &lt;incite2023@easychair.org&gt;

to me

Sat, Dec 17

Dear Ritu Pal,  
Paper Id : 205

Thank you for submitting your paper to International Conference on Information Technology (InCITe2023) on the theme Decision Ir We are happy to inform you that InCITe 2023 has received an overwhelming response.

This is to inform you that the review process of InCITe2023 is under way. Your paper titled "A Platform of CRM and Analytics to imp Pathway" has cleared the initial screening process.

We would revert to you at the earliest.

Thank you very much for your patience.  
Organizing Team  
InCITe 2023**Labels**

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Tula's Institute, Dehradun

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**Inbox** 4,432

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Labels

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## AIDE-2023: Artificial Intelligence and Metaverse through Data Engineering : I Acceptance

Inbox: X

Sun,

AIDE-2023 &lt;aide2023@easychair.org&gt;

to me

Dear Ritu Pal,

Dear Authors,

Congratulations!!

Your abstract submission is provisionally accepted for publication.

Please check and do the needful :

1. Do check the link: [https://easychair.org/cfp/AIDE\\_2023](https://easychair.org/cfp/AIDE_2023) and try to update your chapter title aligned to the keywords given, or if you call me at +91-9910803601.
2. Please prepare your full chapter by 10th May 2023 and upload it through the easy chair, as a few more chapters are in line to be reviewed.
3. As of now no specific format to be followed, after review we will send you the format.
4. Kindly make sure no AI tools are used to write the chapter, and you may check your submission through Turnitin if any help is needed. Turnitin already there is an option for AI-enabled percentage so zero percentage only to be finally submitted to Nova Publishers.

Director  
Tula's Institute, Dehradun

# CERTIFICATE

---

## OF PARTICIPATION

---

*This certificate is awarded to*

*Prof./Dr./Mr. \_\_\_\_\_ Ritu Pal \_\_\_\_\_ from \_\_\_\_\_ Tulas Institute, Dehradun*

*for participation and successful completion of five days International Faculty  
Development Program on*

*"Futuristic Trends in Computer Science and Information Technology"*

*from 16<sup>th</sup> May to 20<sup>th</sup> May, 2023.*

Organized by

School of Computing

&

Department of Computer Science and Engineering

Prof. Dibyabhash Bordoloi  
(Head of the Department)

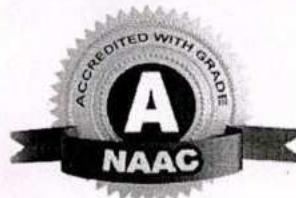
Director  
Tulas Institute, Dehradun



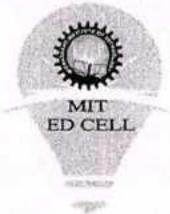
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# Moradabad Institute of Technology

Ramganga Vihar Phase 2, Moradabad



## Certificate



This is to certify that **Ritu Pal** of **Tulas Institute** has attended one week Faculty Development Program on **Creativity, Innovation & Design Thinking** organized by Electronics & Communication Engineering Department of MIT Moradabad, U.P. from 29 May to 02 June 2023.

Prof. Kshitij Shinghal  
Convener, FDP

Director  
Tulas Institute, Dehradun

Prof. Rohit Garg  
Director

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### AICTE Training and Learning (ATAL) Academy

# *Certificate*

This is certified that Ritu Pal, Assistant Professor of Tula's Institute of Engineering and Management College, Dehradun, participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Cyber Physical Systems and Industrial IoT" from 17/01/2022 to 21/01/2022 at SRM INSTITUTE OF MANAGEMENT TECHNOLOGY.

*D. S. Pal*  
Director  
Tula's Institute, Dehradun

*Mamta Rani Agarwal*

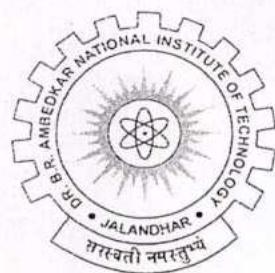
Advisor-I, ATAL Academy  
Mamta Rani Agarwal



*Neetu*

Coordinator





डा. बी आर अम्बेदकर राष्ट्रीय प्रौद्योगिकी संस्थान, जालंधर

Dr. B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR  
जी टी रोड बाई पास, जालंधर-144011, पंजाब (भारत)  
G T Road Bye Pass, Jalandhar-144011, Punjab (India)  
(An Institution of National Importance)

## Certificate of Participation

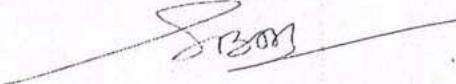
This is to certify that

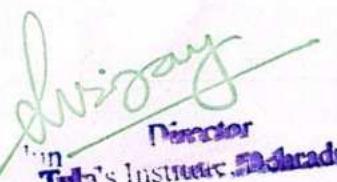
Mrs RITU PAL

from

Tulas Institute, Dehradun

has participated in the Self Sponsored Online STC on “*Machine Learning and Data Science using Python: Hands-on Approach*”, held during *June 24<sup>th</sup> 2022 – June 28<sup>th</sup> 2022*, organised by Department of Computer Science & Engineering, Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab, India.

  
Prof. AL Sangal  
(Convener)

Director  
Tula's Institute  
  
Dr Geeta Sikka  
(Head of Department)

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241071055 A

(19) INDIA

(22) Date of filing of Application :09/12/2022

(43) Publication Date : 16/12/2022

(54) Title of the invention : Decision prediction using Sentiment Analysis from social media content

(51) International classification :G06N002000000, G07F0017320000,  
G06Q005000000, A63B0102200000,  
G06F0040300000

(86) International Application No :PCT//  
Filing Date :01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA  
Filing Date :NA

(62) Divisional to Application Number :NA  
Filing Date :NA

(71) Name of Applicant :

1)Jagdish Chandra Patni

Address of Applicant :Department of Computer Science,  
School of Engineering and Technology, Jain (Deemed to be  
University), Jakkasandra Post, Kanakapura Taluk, Ramanagar  
District -----

2)Jain (Deemed to be University)

Name of Applicant : NA

Address of Applicant : NA

(72) Name of Inventor :

1)Jagdish Chandra Patni

Address of Applicant :Department of Computer Science, School  
of Engineering and Technology, Jain (Deemed to be University),  
Jakkasandra Post, Kanakapura Taluk, Ramanagar District -----

✓2)Ritu Pal

Address of Applicant :Department of CSE, Tulas Institute  
Dehradun -----

3)Manvi Bobra

Address of Applicant :Tulas Institute of Engineering and  
Management College Dehradun -----

4)Akanksha Bisht

Address of Applicant :SRM institute of Science and Technology,  
Delhi-NCR Campus, Modinagar Ghaziabad -----

5)Pratibha Dimri

Address of Applicant :Department of CSE, Tulas Institute  
Dehradun -----

6)Pawan Kumar Mishra

Address of Applicant :Department of CSE, GLA University  
Mathura -----

7)Hitesh Kumar Sharma

Address of Applicant :School of Computer Science, UPES  
University Dehradun -----

(57) Abstract :

We study the relationship between social media output and a cricket tournament to the, using a dataset containing tweets from Twitter and game statistics. Specifically, we consider tweets pertaining to specific teams and games in the tournament and use them alongside statistical game data to build predictive models of future game outcomes to predict the win or loss by any individual team. We experiment with several feature sets using large volumes of tweets and will try to match or exceed the performance of more traditional features that use game statistics. Our research motivation is to demonstrate a system that can harness the wisdom of crowds using the sentiment information from Twitter to make match predictions. Further we analyse specific sentiment variables such as tone and polarity to determine if tweets can also be used to predict point spread.

No. of Pages : 23 No. of Claims : 3

*divyay*  
Director  
Tulas Institute, Dehradun

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202241071058 A

(19) INDIA

(22) Date of filing of Application : 09/12/2022

(43) Publication Date : 30/12/2022

(54) Title of the invention : Encyclopedia based on Natural Language Processing

(51) International classification : H04L0067020000, H04W0004700000,  
H04L0067550000, H04W0052020000,  
H04L0067120000

(86) International Application No : PCT/  
Filing Date : 01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to Application Number : NA  
Filing Date : NA

(62) Divisional to Application Number : NA  
Filing Date : NA

(71) Name of Applicant :

1) Jagdish Chandra Patni  
Address of Applicant : Department of Computer Science,  
School of Engineering and Technology, Jain (Deemed to be  
University), Jakkasandra Post, Kanakapura Taluk, Ramanagar  
District -----

2) Jain (Deemed to be University)

Name of Applicant : NA

Address of Applicant : NA

(72) Name of Inventor :

1) Jagdish Chandra Patni  
Address of Applicant : Department of Computer Science, School  
of Engineering and Technology, Jain (Deemed to be University),  
Jakkasandra Post, Kanakapura Taluk, Ramanagar District -----

✓ 2) Ritu Pal

Address of Applicant : Department of CSE, Tulas Institute  
Dehradun Dehradun -----

3) Suman Pant

Address of Applicant : Department of CSE, Tulas Institute  
Dehradun -----

4) Harendra Sharma

Address of Applicant : SRM Institute of Science and Technology,  
Delhi-NCR Campus, Modinagar Ghaziabad -----

5) Pawan Kumar Mishra

Address of Applicant : Department of CSE, GLA University  
Mathura -----

6) Hitesh Kumar Sharma

Address of Applicant : School of Computer Science, UPES  
University Dehradun -----

(57) Abstract :

As we all know, to answer the need of user there exists online and offline Encyclopedias. But offline encyclopedias are not always easy to access from anywhere, this increases the demand for online encyclopedia. For accessing online encyclopedia over HTTP, user must have an established proper internet connection. Using the almost same concept with even an intermittent internet connection there exists a protocol MQTT which provides better response time and throughput, with lower bandwidth and battery consumption in comparison to HTTP. Message Queuing Telemetry Transport (MQTT) is a publish-subscribe messaging protocol used for sending small packets over remote locations where bandwidth is limited. It is used for machine-to-machine communication (M2M) and is preferred over HTTP and FTP as it sends small packet at high speed. In this project, different subscribers are made to communicate with the publisher using MQTT protocol.

No. of Pages : 17 No. of Claims : 2

*Dhivya*  
Tulas Institute, Dehradun  
Director

54) Title of the invention : COMPREHENSIVE SOLUTION TO BUSINESS ANALYTICS- A DATA MINING

51) International Classification	: G06Q0040060000, G06Q0010060000, G06Q0040000000, G06Q0040020000, G06Q0099000000
86) International application No	: NA
Filing Date	: NA
87) International publication No	: NA
51) Patent of Addition	: NA
Application Number	: NA
Filing Date	: NA
52) Divisional to application Number	: NA
Filing Date	: NA

(71) Name of Applicant :

1) Jagdish Chandra Patni

Address of Applicant : School of Computer Science, Petroleum and Energy Studies Dehradun - 248005

✓ 2) Ritu Pal

3) Pratibha Dimri

4) Shivam Rawat

Name of Applicant : NA

Address of Applicant : NA

(72) Name of Inventor :

1) Jagdish Chandra Patni

Address of Applicant : School of Computer Science, Petroleum and Energy Studies Dehradun - 248005

2) Ritu Pal

Address of Applicant : Assistant Professor, Computer Science, Tulas Institute of Engineering & Management College, Dehradun - 248005

3) Pratibha Dimri

Address of Applicant : Assistant Professor, Computer Science, Tulas Institute of Engineering & Management College, Dehradun - 248005

4) Shivam Rawat

Address of Applicant : Assistant Professor, Computer Science, Tulas Institute of Engineering & Management College, Dehradun - 248005

57) Abstract :

Data mining is turning out to be strategically imperative region for some business associations including financial institutions. It helps the companies to search for hidden example in a gathering and find obscure relationship in the data. Finally it aids the assessment of a business to manage the arranging, budgeting, observing, forecasting, and enhancing of economic interest inside of an association. Our task concentrates on comprehension the association's financial health and its future.

Today's inexorably stringent financial reporting prerequisites. It exhibits the capacity of the data mining to revolutionize the boundless customer's connected data to discover patterns that are great indicators of the practices of the company. It will cover the analysis of: Profit arranging, Cash flow analysis, Investment decisions and risk analysis, Dividend analysis through algorithms like Apriori, Naivebayes, Prediction algorithm and so forth. Along these lines this arrangement actualizes advanced data analysis techniques utilized by companies for discovering startling patterns in the tremendous measures of data, patterns that offer applicable knowledge for anticipating future results. The understanding of how data mining abilities can give the expanded customer maintenance and minimizes the risk included in the process is the upper hand and finishes up by giving the constraints and opportunities in this field.

No. of Pages : 25 No. of Claims : 2

*Shivam*  
Director  
Tulas Institute, Dehradun

② 1102 WhatsApp

X | M Inbox - patnijack@gmail.com

X | M Mail - Dr. Jagdish Chandra

X | M Election Commission of Ind.

X | M PATENT of India

X | M PATENT of India

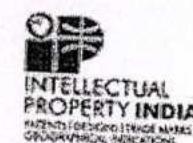
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X | M Intellectual Property India



Office of the Controller General of Patents, Designs & Trade Marks  
Department of Industrial Policy & Promotion,  
Ministry of Commerce & Industry,  
Government of India



#### Application Details

APPLICATION NUMBER	202211012240
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	07/03/2022
APPLICANT NAME	1. Jagdish Chandra Patni ✓ 2. Ritu Pal 3. Sakshi Koli
TITLE OF INVENTION	CAB MANAGEMENT SYSTEM- A VALUE ADDED FUNCTIONALITIES TO ENPOWER THE BOOKING HANDLING PROCESS
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	patnijack@gmail.com
ADDITIONAL E-MAIL (As Per Record)	patnijack@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	
PUBLICATION DATE (U/S 11A)	11/03/2022

#### Application Status

APPLICATION STATUS

Awaiting Request for Examination

④ Combined All IJ...xlsx

④ CamScanner 01...pdf

④ raw.pdf

Show all

**FORM 5**  
**THE PATENTS ACT 1970**

(39 of 1970)

&

The Patents rules, 2003  
**DECLARATION AS TO INVENTORSHIP**  
[See section 10(6) and rule 13(6)]

1. NAME: OF APPICANT (S)

- 1. Mrs. Vandna Bansla
- 2. Dr.Sachin Kumar
- 3. Mr. Harender Sharma
- 4. Ms .Ritu Pal
- 5. Mr. Anurag Kumar
- 6. Dr.Sandeep Kumar
- 7. Ms Richa Mishra
- 8. Ms. Akansha Singh
- 9. Mr.Rakesh Kumar
- 10. Ms Diksha Arya

Hereby declare that the truth and first inventor (s) of the invention disclosed in the provisional specification filed in pursuance of my application numbered 2022 \_\_\_\_\_ dated \_\_\_\_\_ are.

2. INVENTOR (S)

NAME	NATION-ALITY	ADDRESS
Mrs. Vandna Bansla	Indian	Assistant Professor, Tula's institute Dehradun UK ,India
Dr.Sachin Kumar	Indian	Assistant Professor, Tula's institute Dehradun UK ,India
Mr. Harender Sharma	Indian	Assistant Professor, SRM University Ghazibad (U.P)
Ms .Ritu Pal	Indian	Assistant Professor, Tula's institute Dehradun UK ,India
Mr. Anurag Kumar	Indian	Assistant Professor, Tula's institute Dehradun UK ,India
Dr.Sandeep Kumar	Indian	Assistant Professor, Tula's institute Dehradun UK ,India
Ms Richa Mishra	Indian	Assistant Professor, Tula's institute Dehradun UK ,India
Ms. Akansha Singh	Indian	Assistant Professor, MIET Meerut

Mr.Rakesh Kumar	Indian	Assistant Professor, Tula's institute Dehradun UK ,India
Ms Diksha Arya	Indian	Assistant Professor, MIET Meerut

Date 16/03/2022

Saurabh Kumar Jain  
(IN/PA-3637)  
Agent for Applicant

**3. DECLARATION TO BE GIVEN WHEN THE APPLICATION IN INDIA IS FILED BY THE APPLICANT (S) IN THE CONVENTION COUNTRY:-**

-NA-

We the applicant(s) in the convention country hereby declare that our right to apply for a patent in India is by way of assignment from the true and first inventor(s).

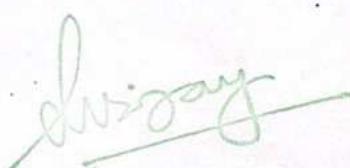
Dated this \_\_\_\_\_ day of \_\_\_\_\_, 2022.

Signature:-NA

Name: of signatory:- NA

To,

The controller of patent  
The patent office, at Delhi/Mumbai/Chennai/Kolkata.



Director  
Tula's Institute, Dehradun

## FORM 5

THE PATENT ACT, 1970  
(39 of 1970)  
&  
THE PATENTS RULES, 2003

### DECLARATION AS TO INVENTORSHIP

*[See section 10(6) and rule 13(6)]*

**1. NAME OF APPLICANT(S)** Jagdish Chandra Patni, Ritu Pal, Harendra Sharma, Mukesh Pathela, Om Prakash Pal, Aman Prasad,

hereby declare that the true and first inventor(s) of the invention disclosed in the complete specification filed in pursuance of my/our application numbered 202111047755 dated 20/10/2021 is/are

**2. INVENTOR(S)**

Name	Country	Nationality	Address
Jagdish Chandra Patni	India	India	School of Computer Science, University of Petroleum and Energy Studies Dehradun
<input checked="" type="checkbox"/> Ritu Pal	India	India	Tulas Institute of Engineering and Management College, Dehradun (U.K.)
Harendra Sharma	India	India	Computer Science and Engineering SRM Institute of Science and Technology, Delhi-NCR Campus, Modinagar, Ghaziabad
Mukesh Pathela	India	India	Department of ECE DevBhoomi Uttarakhand University, Dehradun
Om Prakash Pal	India	India	U V Patel College of Engineering, Ganpat University
Aman Prasad	India	India	School of Computer Science, University of Petroleum and Energy Studies Dehradun

Dated this. 20/10/2021 Day of 2021

Signature

Name of the signatory

**3. DECLARATION TO BE GIVEN WHEN THE APPLICATION IN INDIA IS FILED BY THE APPLICANT(S) IN THE CONVENTION COUNTRY:-**

We the applicant(s) in the convention country hereby declare that our right to apply for a patent in India is by way of assignment from the true and first inventor(s).

Dated this. 20/10/2021 Day of 2021

Signature

Name of the signatory

**4. STATEMENT** (to be signed by the additional inventor(s) not mentioned in

Director  
Tula's Institute, Dehradun

, 21:13

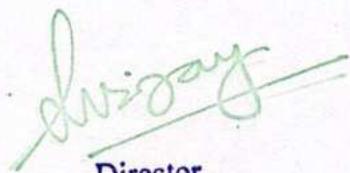
I assent to the invention referred to in the above declaration, being included in the complete specification filed in pursuance of the stated application.

Dated this(Final Payment Date):-----

Signature

Name of the signatory

This form is electronically generated.

  
Divyanshu  
Director  
Tula's Institute, Dehradun

# PERFORMANCE EVALUATION FORM

## (For Non-Teaching Staff)

1. Name of the staff : Gopal Uniyal  
 2. Designation : office Assistant  
 3. Department of the staff : Admin  
 4. Duration of reporting : 2022 - 23 .

(Signature of staff)

S.No.	Particulars (10 marks for each point)	Reporting Officer	Reviewing Officer
1	Staff regularity in attendance.	8	9
2	Sincerity to his/her works.	8	9
3	Courteousness and helpful to the student.	9	10
4	Knowledge of staff member in his/her job.	9	10
5	Innovation of staff in his/her works.	10	10
6	Initiative in the assigned job.	9	9
7	Initiative to upgrade his/her qualifications in his/her domain area.	8	8
8	Inter-personal relationships with his/her superiors colleagues and subordinated.	9	9
9	Loyalty for institute.	10	10
10	Cleanliness & organizations of workplace.	10	10
	<b>Total</b>	<u>90</u>	<u>94</u>

Any other remark (Reporting Officer)

Any other remark (Reviewing Officer)

  
(Reporting Officer)

  
Recommended for  
2000/-

  
(Reviewing Officer)

Recommendation of Registrar

  
**Registrar**  
Tula's Institute, Dehradun

  
**Director**  
Tula's Institute, Dehradun

# PERFORMANCE EVALUATION FORM

## (For Non-Teaching Staff)

1. Name of the staff : Naresh Kumar  
 2. Designation : Assistant Registrar  
 3. Department of the staff : Admin  
 4. Duration of reporting : 2022 - 23.

(Signature of staff)

S.No.	Particulars (10 marks for each point)	Reporting Officer	Reviewing Officer
1	Staff regularity in attendance.	7	7
2	Sincerity to his/her works.	6	8
3	Courteousness and helpful to the student.	5	7
4	Knowledge of staff member in his/her job.	6	7
5	Innovation of staff in his/her works.	7	6
6	Initiative in the assigned job.	8	8
7	Initiative to upgrade his/her qualifications in his/her domain area.	6	8
8	Inter-personal relationships with his/her superiors colleagues and subordinated.	5	9
9	Loyalty for institute.	8	8
10	Cleanliness & organizations of workplace.	7	9
	<b>Total</b>	<u>65</u>	<u>77</u>

Any other remark (Reporting Officer)

Any other remark (Reviewing Officer)

*I allow*  
(Reporting Officer)

*Recommended for  
3000/-*

*I accept*  
(Reviewing Officer)

Recommendation of Registrar

*Shivay* *I allow*  
**Registrar**  
Tula's Institute, Dehradun

*Director*  
**Tula's Institute, Dehradun**