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UTTARAKHAND

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Affiliated: ✕ V.M.S.B Uttarakhand Technical University ✕ Sri Dev Suman Uttarakhand University ✕ Uttarakhand Board of Technical Education

Criterion No: 6.3.5

Criterion Details: Institutions Performance Appraisal System for teaching and non-teaching staff.

S. No.	Particulars	Annexure No.
1	Faculty Appraisal Policy	Annexure - I
2	Faculty Self Appraisal Form	Annexure - II
3	Faculty Appraisal Policy	Annexure - III
4	Performance Evaluation Form(Non-Teaching Staff)	Annexure - IV

Ref No.: Tula's/HR/0822/01

Faculty/Staff Appraisal Policy

Revised on: 11/07/2022

With effect from: 01/08/2022

* This policy will supersede the entire clause present on previous policy.

1. Purpose:

The Performance Based Appraisal System (PBAS) is the self-appraisal provides an annual performance review of the individual, in context to evaluate and recognize the faculty and staff development and contribution towards achieving institute goals (i.e. Vision and Mission) and students' continuous progress over the past year. It is designed to facilitate constructive discussion between the institute fraternity and management to refine the future performance objectives, provide feedback to improve the teaching, behavioural, research and innovation performance through interpersonal skills. Administrators are responsible for completing the annual performance self-appraisal of the faculty and staff under them.

2. Scope:

This system helps to identify the individual's strength(s), their skill gaps, hobby, talent, and scope for improvement. The PBAS self-appraisal, as well as administrator's appraisal system brings the co-relation of the departmental head and feedback output and transparency of the self and administrator verified information to provide an opportunity for the developmental programs.

- I. Self-performance appraisal of institute faculty members is the record of performance evaluation made by faculty and duly verified by the head of the department and recommended by the Dean (Academics) and approved by the Director of the institute.
- 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. The registrar of the institute approves the appraisal of all non-teaching staffs.

3. Process:

The performance of staff in Performance Based Appraisal System (PBAS) is reflected through a single index called Staff Performance Index based on feedback from Head of Department, recommendation from Dean (Academics), and the Director approves the annual appraisal. The Registrar approves the annual appraisal for the non-teaching staffs. The performance 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.

3.1. Faculty Performance Appraisal Process:

- The 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.



Vision

- To emerge as an academic centre producing world class professionals promoting innovation and research.

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Co-ordinator, IQAC
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Director
Tula's Institute, Dehradun

Director
Tula's Institute, Dehradun

Dhoikot, P.O. Selequi, Chakrata Road
Dehradun - 248011 (U.K India)

www.tulas.edu.in

0135-2699300
0135-2699309

Mission:

- To promote intellectual and skilled human capital generation employment and entrepreneurship.
- To be educational centre of excellence of multi ethnicity and diversity.
- To establish as technology driven teaching learning institution.
- To provide world class platform for research and innovation.
- To inculcate social, environmental, heritage values.

- The institution has categorized teaching staff performance as per norms received from the management into four main components such as Academic activities, Research and innovation activities, Extension activities and administrative activities.

3.1.1. Performance Index Scoring System for The Faculties of Tula's Institute:

The faculty will fill in the appraisal form and send it to the respective Head of Department/ Deans and who in turn send it to the Director for final approval.

The Head and Dean discuss with the faculty members their Performance with respect to the Staff Performance index (SPI) and future-plans for the expansion of the 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 give suggestions for the betterment of their future.

The Annual self-appraisal has been categorized in the following activities:

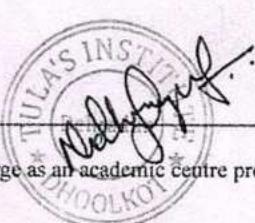
Category	Activities	Maximum SPI Score
Category I (A)	Teaching, Learning and Evaluation related activities	50
Category I (B)	Feedback Score	10
Category II	Co-Curricular, Extension & Professional development related additional activities	30
Category III(A)	Research Activities, Patents and Publications	60
Category III(B)	Details of Books/Chapters Published	10
Category III(C)	Details of workshops/ STC Attended and Organized	10
Category III(D)	Any Grant/ Fund received from any agency	20
Category IV	HoD Recommendation with appraisal score	10

3.1.2. The Performance Appraisal Methodology for SPI Scoring

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

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

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



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3.2. Non-Teaching Staff Performance Appraisal Process:

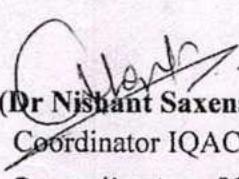
The performance appraisal cycle is based on Academic / Financial year.

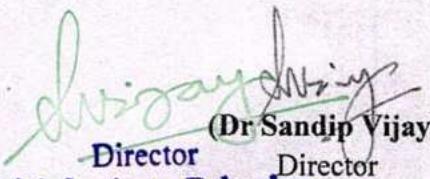
- I. The performance appraisal for all employees under probation
- II. shall be done on completion of one year from their date of joining upon which their employment will be confirmed or terminated or probation may be extended, based on their performance evaluation.
- III. The performance appraisal of non-teaching staff shall be done every year.
- IV. Annual Increments & promotions for all staff shall be granted based purely on the performance of the individual.
- V. All employees in the Tula's Institute shall be appraised by the immediate superior/ Reviewing Authority followed by the recommendation from Registrar.
- VI. The appraisal parameters depend on the category and their performance attributes. The staff members are categorized as follows:
 - Administrative staff
 - Lab Technicians
 - Supportive Services Staff
- VII. The performance appraisal copy filled in by the employee.
- VIII. The following dimensions would broadly describe all jobs:
 - Staff Regularity in attendance.
 - Sincerity to his/her work
 - Courteousness and helpfulness 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 domain area.
 - Inter-personal relationships with his/her Superiors, Colleagues & Subordinates
 - Loyalty for Institute
 - Cleanliness & Organization of workplace

4. Performance Review:

- I. Self-assessment shall be done against each KRA which is agreed upon at the beginning of the academic year.
- II. Self-assessment provides data to the immediate superior for the performance appraisal discussion and improvement action plan.




(Dr Nishant Saxena)
 Coordinator IQAC
 Co-ordinator, IQAC
TULA'S INSTITUTE
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(Dr Sandip Vijay)
 Director
Tula's Institute, Dehradun Director
 Tula's Institute, Dehradun

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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 ₅	5	
2.	80-90%	N ₄	4	
3.	70%-80%	N ₃	3	
4.	60%-70%	N ₂	2	
5.	50%-60%	N ₁	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 ₅	5	
2.	80-90%	N ₄	4	
3.	70%-80%	N ₃	3	
4.	60%-70%	N ₂	2	
5.	50%-60%	N ₁	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 ₅	5	
7.	80-90%	N ₄	4	
8.	70%-80%	N ₃	3	
9.	60%-70%	N ₂	2	
10.	50%-60%	N ₁	1	

Divyanshu
Director
Tula's Institute, Dehradun

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Divyanshu
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 ₅	5	
7.	80-90%	N ₄	4	
8.	70%-80%	N ₃	3	
9.	60%-70%	N ₂	2	
10.	50%-60%	N ₁	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 ₅	5	
2.	80-90%	N ₄	4	
3.	70%-80%	N ₃	3	
4.	60%-70%	N ₂	2	
5.	50%-60%	N ₁	1	

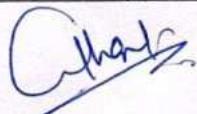
$$\text{CGPA} = \frac{5N_5 + 4N_4 + 3N_3 + 2N_2 + N_1}{N}$$

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	
	Average Score(50)		

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	
Average(10)						



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C. Additional Responsibilities (30)

Ghosh

Score (30)
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D. Publications, Book Chapters & Patents (Session : 2021-22) (60)

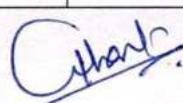
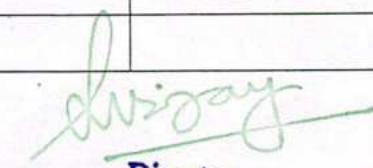
	Number of papers	Marks For each paper (1 st /2 nd /3 rd /4 th Author)	Total Marks
National Conferences/ International Conferences(Scopus/IEEE/Springer/Elsevier /Taylor-Francis)		4/3/2/1	
SCI/Nature Journal		15/10/7.5/5	
Scopus/ABDC/NAAS(Above 5 rating)		8/6/4/2	
UGC Care		6/4/2/1	
Patents		10/8/6/4	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

E. Details of Books/Chapters Published (10)

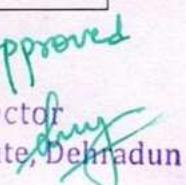
	Title	Publication	Year	Marks (1 st /2 nd /3 rd Author)	Total Marks
No. of books published				10/7/5	
No. of Book Chapter Published				2/1	

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

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

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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's Recommendations:

Director
Tula's Institute, Dehradun

Approved
Signature
Director
Tula's Institute, Dehradun



Faculty Self-Appraisal Form

A. Result Calculations (50)

Subject-1 *Adhoc wireless Network*

Subject Code:		Semester/Branch:	Total no. of Students(N) =	
	<i>BCST-702</i>	<i>VIIth / CSE</i>		<i>113</i>
S.No.	Score of Students	Number of Students	Multiplier	CGPA(5)
1.	90% & Above	10	5	$= 10 \times 5 + 19 \times 4 + 31 \times 3 +$
2.	80-90%	19	4	$42 \times 2 + 11 \times 1$
3.	70%-80%	31	3	$= 314$
4.	60%-70%	42	2	$= 314 / 113 = 2.77$
5.	50%-60%	11	1	≈ 3

Subject-2 *Software Engineering*

Subject Code:		Semester/Branch:	Total no. of Students(N) = 161	
S.No.	Score of Students	Number of Students	Multiplier	CGPA(5)
1.	90% & Above	13	5	$= 13 \times 5 + 27 \times 4 + 38 \times 3 +$
2.	80-90%	27	4	$51 \times 2 + 32 \times 1$
3.	70%-80%	38	3	$= 421$
4.	60%-70%	51	2	$= 421 / 161 = 2.61$
5.	50%-60%	32	1	≈ 3

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	
7.	80-90%		4	
8.	70%-80%		3	
9.	60%-70%		2	
10.	50%-60%		1	

divyanshu

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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	$3 \times 10 + 3 \times 10 = 60$
		Average Score(50)	30

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	
Average(10)						

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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	81	10	10	98	95

95
47
140

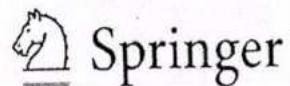
Recommendations of Dean Academics/Dean (M&A):

- Good interaction with the students.
- feedback from students is 6/10.
- Recommended for the approval of 121L-151K.

Director's Recommendations:

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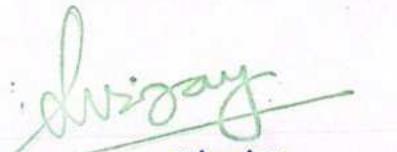
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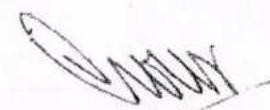
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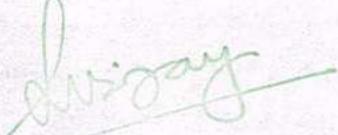
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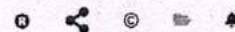
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All Authors ▾



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III. TECHNOLOGY
FACTORS

IV. METHODOLOGY

V. RESULT AND
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Customer Relationship Management is an essential approach for many businesses when attempt to improve their relationship marketing campaigns. Rather than having a normal hostile position against consumers and suppliers, many significant companies currently make closed partnerships to accompany them. Those who notice the user's company's ability to constantly increase rates for end-customers while reducing system-wide pricing within the provided chain. This is typically accomplished through various relationship-building activities, such as customer partnering, supplier partnering, coalitions, and organisational partnering. This paper focuses on discovering various implementation issues in CRM and analysing multiple factors. This research paper aims to dispute and explore CRM technology's deployment.

Published in: 2024 IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS)

Date of Conference: 24-25 February 2024

DOI: 10.1109/SCEECS61402.2024.10482299

Date Added to IEEE Xplore: 02 April 2024

Publisher: IEEE

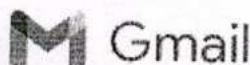
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Paper id: 228

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.

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Vijay
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Tula's Institute, Dehradun

Gmail

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

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InCITe 2023: Review Process

Inbox x

InCITe2023 <incite2023@easychair.org>
to me

Sat, Dec 17

Dear Ritu Pal,
Paper Id : 205Thank 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

Reply

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

Inbox

Sun,



AIDE-2023 <aide2023@easychair.org>

to me

Dear Ritu Pal,

Dear Authors,

Congratulations!!

Your abstract submission is provisionally accepted for publication.

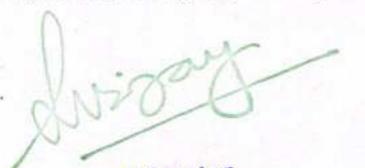
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3. As of now no specific format to be followed, after review we will send you the format.

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Dr. Divya Jaiswal
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 16th May to 20th May, 2023.

Organized by

School of Computing

&

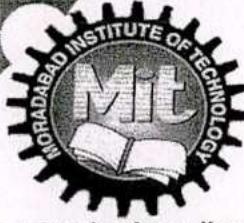
Department of Computer Science and Engineering

A handwritten signature in black ink, appearing to read "Dibyahash Bordoloi".

Prof. Dibyahash Bordoloi
(Head of the Department)

A handwritten signature in green ink, appearing to read "dibyash".

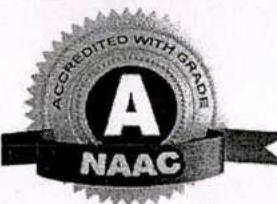
Director
Tula's Institute, Dehradun



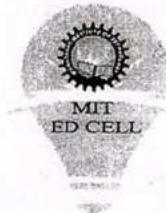
Moradabad Institute of Technology

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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
Tula's Institute, Dehradun

Prof. Rohit Garg
Director

6:08 PM p A 4G ...

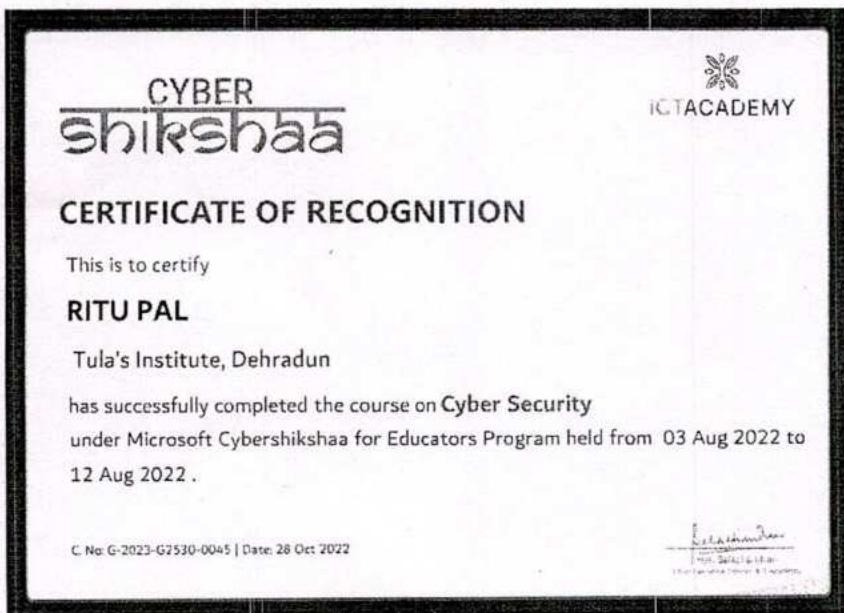
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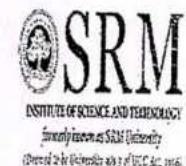


TAKE A TOUR..



Divyanshu
Director
Tula's Institute, Dehradun

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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.

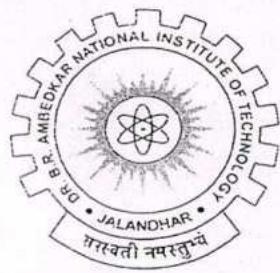
Advisor-I, ATAL Academy
Mamta Rani Agarwal



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डा. बी आर अम्बेदकर राष्ट्रीय प्रौद्योगिकी संस्थान, जालंधर

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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 24th 2022 – June 28th 2022, organised by Department of Computer Science & Engineering, Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab, India.

Prof. AL Sangal
(Convener)

drgeeta
Director
Tulas Institute, Dehradun

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 :G06N0020000000, G07F0017320000,
G06Q0050000000, 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) Maavi Bobra

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

4) Akanksha Bisht

Address of Applicant : SRM Institute of Science and Technology,
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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


Director
Tula's Institute, Dehradun

(12) PATENT APPLICATION

(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 NA
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

Dwiraj
Director
Tula's Institute, Dehradun

19) INDIA

22) Date of filing of Application : 13/03/2022

(43) Publication Date : 18/03/2022

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

51) International Classification : G06Q0040060000, G06Q0010060000,
G06Q0040000000, G06Q0040020000,
G06Q0099000000
56) International application No : NA
Filing Date : NA
87) International publication No : NA
51) Patent of Addition 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 : School of Computer of Petroleum and Energy Studies Dehradun
✓ 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 of Petroleum and Energy Studies Dehradun -

2) Ritu Pal

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

3) Pratibha Dimri

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

4) Shivam Rawat

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

57) Abstract :

Data mining is turning out to be strategically imperative region for some business associations including financials. It helps the companies to search for hidden example in a gathering and find obscure relationship in the data. Finally, it assesses the assessment of a business to manage the arranging, budgeting, observing, forecasting, and enhancing of every interest inside of an association. Our task concentrates on comprehension the association's financial health according to today's inexorably stringent financial reporting prerequisites. It exhibits the capacity of the data mining to roll back 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 arrangement, 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 from 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 system accomplish upper hand and finishes up by giving the constraints and opportunities in this field.

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



Director
Tula's Institute, Dehradun



Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
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Application Details

APPLICATION NUMBER	202211012240
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	07/03/2022
APPLICANT NAME	1. Jagdish Chandra Patni ✓ 2. Ritu Pati 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

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 <input checked="" type="checkbox"/> 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	
<p>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.</p>		
<p>2. INVENTOR (S)</p>		
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
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.

Divyanshu
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
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 and in pursuance of the stated application.

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

Signature

Name of the signatory

This form is electronically generated.


Director
Tula's Institute, Dehradun

PERFORMANCE EVALUATION FORM

(For Non-Teaching Staff)

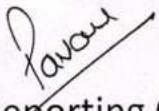
1. Name of the staff : Gopal Uniyal
 2. Designation : office Assistant
 3. Department of the staff : Admin
 4. Duration of reporting : 2022 - 23 .

(Signature of staff)

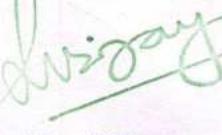
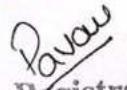
S.No.	Particulars (10 marks for each point)	Reporting Officer	Reviewing Officer
1	Staff regularity in attendance.	8	9
2	Sincerity to his/her works.	8	9
3	Courteousness and helpful to the student.	9	10
4	Knowledge of staff member in his/her job.	9	10
5	Innovation of staff in his/her works.	10	10
6	Initiative 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
	Total	<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


 Director
 Tala's Institute, Dehradun 
 Registrar
 Tala'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
Total		<u>65</u>	<u>77</u>

Any other remark (Reporting Officer)

Any other remark (Reviewing Officer)

Tawa
(Reporting Officer)

Recommended for
3000/-

Tawa
(Reviewing Officer)

Recommendation of Registrar

Director
Tula's Institute, Dehradun

Tawa
Registrar
Tula's Institute, Dehradun