

Prasad V. Potluri Siddhartha Institute of Technology (Autonomous)

Kanuru, Vijayawada – 520 007

(Affiliated to JNTUK, Accredited by NBA, ISO 9001:2015 Certified Institution)



3.1.3 Percentage of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the last five years



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(Autonomous)
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Financial Year 2021-22



To

The Principal,
Prasad V.Potluri Siddhartha Institute of Technology,
Chalasani Nagar, Kanuru,
Vijayawada, Andhra Pradesh - 520007.

Respected Sir,

Sub: "Machine Learning and Deep Learning using MATLAB" - Hands-On Online Faculty
Development Program for FOUR DAYS.

-oOo-

Greetings.

Capricot Technologies (P) Ltd is happy to inform that Ms.D.Hareesha of Electronics & Communication Engineering Department attended hands-on online Faculty Development Program for FOUR DAYS conducted by MathWorks on "Machine Learning and Deep Learning using MATLAB" starting from 1st to 4th June 2021 with the fellowship granted by us. Only few faculties would be selected every year for the fellowship which is equivalent to registration fee ₹ 54,000/-.

The Secured Printable Electronic Version of Training Material was provided to the participant during the course.

On successful completion of the Training the soft copy of MathWorks Certificate has been sent to the participant Email ID.

Thanking You,

Best Regards,

for CAPRICOT TECHNOLOGIES (P) LIMITED,

(Authorized Signatory)



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Hyderabad
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SEPTEMBER 2021

**Youth Undertaking Visit for Acquiring Knowledge (Yuvak) Scheme - Study
Tour of ATAL TUNNEL**

**LIST OF 90 AICTE APPROVED INSTITUTES SELECTED FOR FINANCIAL GRANT FOR
STUDY TOUR OF ATAL TUNNEL UNDER THE AICTE YOUTH UNDERTAKING VISIT FOR
ACQUIRING KNOWLEDGE (YUVAK) SCHEME FOR FINANCIAL YEAR 2021-2022**

<u>TABLE -I: - LIST OF SELECTED INSTITUTES FROM NRO / NWRO REGIONS</u>			
S.NO.	NAME OF THE UNIVERSITY/ INSTITUTE	AICTE REGIONAL OFFICE	INSTITUTE ID
1	UNIVERSITY INSTITUTE OF INFORMATION TECHNOLOGY, HIMACHAL PRADESH UNIVERSITY, SHIMLA	CHANDIGARH	1-475215631
2	UNIVERSITY INSTITUTE OF ENGINEERING AND TECHNOLOGY, KURUKSHETRA UNIVERSITY KURUKSHETRA	CHANDIGARH	1-3670931
3	CHANDIGARH ENGINEERING COLLEGE LANDRAN MOHALI PUNJAB	CHANDIGARH	1-33367191
4	JC BOSE UNIVERSITY OF SCIENCE AND TECHNOLOGY, YMCA , FARIDABAD	CHANDIGARH	1-6782231
5	MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY)/MAHARISHI MARKANDESHWAR ENGG. COLLEGE	CHANDIGARH	1-3767473451
6	GRAPHIC ERA (DEEMED TO BE UNIVERSITY)	KANPUR	1-3765637101
7	MANIPAL UNIVERSITY JAIPUR	CHANDIGARH	1-4836963701
8	GURU NANAK DEV ENGINEERING COLLEGE	CHANDIGARH	1-3286931
9	UNIVERSITY INSTITUTE OF ENGINEERING (UIE), GHARUAN	CHANDIGARH	1-11812251
10	SANT LONGOWAL INSTITUTE OF ENGINEERING AND TECHNOLOGY	CHANDIGARH	1-515991181
11	KIET GROUP OF INSTITUTIONS	KANPUR	1-13439501
12	GALGOTIA'S COLLEGE OF ENGINEERING AND TECHNOLOGY	KANPUR	1-21805422
13	ABES ENGINEERING COLLEGE GHAZIABAD	KANPUR	1-6248771
14	ISLAMIC UNIVERSITY OF SCIENCE AND TECHNOLOGY	CHANDIGARH	1-465756641
15	JAMIA MILLIA ISLAMIA, NEW DELHI	CHANDIGARH	1-505054421

TABLE -II: - DETAILS OF SELECTED INSTITUTES FROM REGIONS OTHER THAN NRO / NWRO

S.NO.	NAME OF THE UNIVERSITY/ INSTITUTE	AICTE REGIONAL OFFICE	INSTITUTE ID
1	VARDHAMAN COLLEGE OF ENGINEERING	HYDERABAD	1-4904307
2	DR. D. Y. PATIL INSTITUTE OF TECHNOLOGY, PIMPRI, PUNE-18.	MUMBAI	1-3858524
3	SRI VENKATESWARA COLLEGE OF ENGINEERING	CHENNAI	1-2492131
4	VELS INSTITUTE OF SCIENCE TECHNOLOGY & ADVANCED STUDIES(VISTAS)	CHENNAI	1-3628130411
5	KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION	CHENNAI	1-3705897101
6	JSS ACADEMY OF TECHNICAL EDUCATION, BENGALURU	BENGALURU	1-6027111
7	RAJARAMBAPU INSTITUTE OF TECHNOLOGY, RAJARAMNAGAR	MUMBAI	1-5373023
8	PRASAD V POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY	HYDERABAD	1-2509654
9	RMK COLLEGE OF ENGINEERING AND TECHNOLOGY	CHENNAI	1-2511917
10	SRI SAI RAM ENGINEERING COLLEGE	CHENNAI	1-2028941
11	SRI RAMAKRISHNA ENGINEERING COLLEGE	CHENNAI	1-11762850
12	SRI SIVASUBRAMANIYA NADAR COLLEGE OF ENGINEERING	CHENNAI	1-1229101
13	SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY	CHENNAI	1-3955612
14	SNS COLLEGE OF TECHNOLOGY	CHENNAI	1-2494761
15	GMR INSTITUTE OF TECHNOLOGY	HYDERABAD	1-2609821
16	CVR COLLEGE OF ENGINEERING	HYDERABAD	1-2013187
17	CMR INSTITUTE OF TECHNOLOGY BENGALURU	BENGALURU	1-10082920
18	SONA COLLEGE OF TECHNOLOGY	CHENNAI	1-14145641
19	RAJAGIRI SCHOOL OF ENGINEERING & TECHNOLOGY	THIRUVANANTHAPURAM	1-1691341
20	LAKSHMI NARAIN COLLEGE OF TECHNOLOGY	BHOPAL	1-5800621
21	SHRI SHANKARACHARYA GROUP OF INSTITUTIONS, BHILAI	BHOPAL	1-445778311
22	BHILAI INSTITUTE OF TECHNOLOGY DURG	BHOPAL	1-5213608
23	NMAM INSTITUTE OF TECHNOLOGY NITTE	BENGALURU	1-5795381
24	G PULLA REDDY ENGINEERING COLLEGE	HYDERABAD	1-4717591
25	VELAGAPUDI RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE	HYDERABAD	1-10213343

TABLE -II: - DETAILS OF SELECTED INSTITUTES FROM REGIONS OTHER THAN NRO / NWRO

S.NO.	NAME OF THE UNIVERSITY/ INSTITUTE	AICTE REGIONAL OFFICE	INSTITUTE ID
26	CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY	HYDERABAD	1-4735791
27	AMET DEEMED TO BE UNIVERSITY	CHENNAI	1-3638728491
28	INSTITUTE OF ENGINEERING & MANAGEMENT	KOLKATA	1-4311791
29	COIMBATORE INSTITUTE OF TECHNOLOGY	CHENNAI	1-5213396
30	RAJALAKSHMI ENGINEERING COLLEGE	CHENNAI	1-5182261
31	G H RAISONI COLLEGE OF ENGINEERING	MUMBAI	1-3285267
32	KCG COLLEGE OF TECHNOLOGY	CHENNAI	1-4401459
33	KLS GOGTE INSTITUTE OF TECHNOLOGY, BELAGAVI	BENGALURU	1-4254404
34	MATURI VENKATA SUBBA RAO ENGINEERING COLLEGE	HYDERABAD	1-3799751
35	KONGU ENGINEERING COLLEGE	CHENNAI	1-3589631
36	C V RAMAN GLOBAL UNIVERSITY	KOLKATA	1-5046106
37	MEPCO SCHLENK ENGINEERING COLLEGE SIVAKASI	CHENNAI	1-26270263
38	RV COLLEGE OF ENGINEERING	BENGALURU	1-10906981
39	PIMPRI CHINCHWAD COLLEGE OF ENGINEERING, NIGDI, PUNE, MH, INDIA	MUMBAI	1-6028469
40	INSTITUTE OF AERONAUTICAL ENGINEERING	HYDERABAD	1-4190301
41	VELLORE INSTITUTE OF TECHNOLOGY	CHENNAI	1-3636129251
42	SHRI RAMDEOBABA COLLEGE OF ENGINEERING AND MANAGEMENT	MUMBAI	1-3638154
43	BIRLA INSTITUTE OF TECHNOLOGY	KOLKATA	1-15782701
44	SREE VIDYANIKETHAN ENGINEERING COLLEGE (AUTONOMOUS)	HYDERABAD	1-4287165
45	SRI KRISHNA COLLEGE OF TECHNOLOGY	CHENNAI	1-3643021
46	AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY, A CONSTITUTENT COLLEGE OF VINAYAKA MISSION'S RESEARCH FOUNDATION	CHENNAI	1-3704902541
47	NARULA INSTITUTE OF TECHNOLOGY	KOLKATA	1-10311624
48	JSS SCIENCE AND TECHNOLOGY UNIVERSITY, MYSURU	BENGALURU	1-3738162321
49	JSPM'S RAJARSHI SHAHU COLLEGE OF ENGINEERING, PUNE	MUMBAI	1-8068015
50	DAYANANDA SAGAR COLLEGE OF ENGINEERING	BENGALURU	1-10575091
51	R.M.K. ENGINEERING COLLEGE	CHENNAI	1-2019411

TABLE -II : - DETAILS OF SELECTED INSTITUTES FROM REGIONS OTHER THAN NRO / NWRO

S.NO.	NAME OF THE UNIVERSITY/ INSTITUTE	AICTE REGIONAL OFFICE	INSTITUTE ID
52	NORTH EASTERN REGIONAL INSTITUTE OF SCIENCE & TECHNOLOGY	GUWAHATI	1-514072491
53	GOVT. ENGINEERING COLLEGE, THRISSUR	THIRUVANANTHAPURAM	1-13392996
54	HINDUSTAN INSTITUTE OF TECHNOLOGY AND SCIENCE	CHENNAI	1-3698454481
55	VEERMATA JIJABAI TECHNOLOGICAL INSTITUTE (VJTI)	MUMBAI	1-5149491
56	FACULTY OF TECHNOLOGY AND ENGINEERING, THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA	BHOPAL	1-422761623
57	MANIPAL INSTITUTE OF TECHNOLOGY	BENGALURU	1-4187991
58	JSS SCIENCE AND TECHNOLOGY	BENGALURU	1-3738162321
59	PSG COLLEGE OF TECHNOLOGY	CHENNAI	1-4165514
60	THAKUR COLLEGE OF ENGINEERING AND TECHNOLOGY	MUMBAI	1-5937743
61	DR.M.G.R.EDUCATIONALAND RESEARCH INSTITUTE(DEEMED TO BE UNIVERSITY)	CHENNAI	1-3714148411
62	NMIMS'S MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING	MUMBAI	1-3761188491
63	B.S.ABDUR RAHMAN CRESCENT INSTITUTE OF SCIENCE AND TECHNOLOGY	CHENNAI	1-3687914701
64	HALDIA INSTITUTE OF TECHNOLOGY	KOLKATA	1-6857053
65	COLLEGE OF ENGINEERING PUNE	MUMBAI	1-14626132
66	SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY	CHENNAI	1-3672332485
67	DR VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY	MUMBAI	1-3713389121
68	SRI VENKATESWARA COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS), CHITTOOR.	HYDERABAD	1- 4734871
69	BANGALORE INSTITUTE OF TECHNOLOGY	BENGALURU	1-12036461
70	RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)	HYDERABAD	1-7535941
71	YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING, HINGNA ROAD, WANADONGRI, NAGPUR - 441 110, MAHARASHTRA, INDIA	MUMBAI	1-4736951
72	BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT	BENGALURU	1-4152591
73	SHRI G.S. INSTITUTE OF TECHNOLOGY AND SCIENCE	BHOPAL	1-10540411
74	KUMARAGURU COLLEGE OF TECHNOLOGY	CHENNAI	1-3641071
75	SYMBIOSIS INTERNATIONAL UNIVERSITY / SYMBIOSIS INSTITUTE OF TECHNOLOGY	MUMBAI	1-10306294

AICTE – YOUTH UNDERTAKING VISIT FOR ACQUIRING KNOWLEDGE (YUVAK)

STUDY TOUR of ATAL TUNNEL

Introduction & Overview

Atal Tunnel has been built under the Rohtang Pass on the Leh-Manali Highway as an all-weather route to Leh and Lahaul and Spiti valleys. At a length of 9.02 km, it is the longest tunnel above 10,000 feet (3,048 m) in the world and is named after former Prime Minister of India, Atal Bihari Vajpayee. It was inaugurated by Prime Minister Narendra Modi on 3 October 2020.

The tunnel reduces the overall distance between Manali & Leh from 116 km to 71 km and the travel time from 5 - 6 hours to about 2 hours.

The tunnel has been built using the New Austrian tunneling method and has been equipped with a semi-transverse ventilation system, where large fans separately circulate air throughout the tunnel. A 2.25 m tall and 3.6 m wide emergency tunnel has been integrated into the tunnel cross-section beneath the main carriageway for evacuation during emergencies. Pollution sensors continuously monitor the air quality in the tunnel and if the air quality in the tunnel is below the desired level, fresh air is injected into the tunnel via two heavy duty fans on each side of the tunnel.

Atal tunnel, an engineering marvel, is an important & interesting case study for of Civil, Mechanical & Structural Engineering Students.

Scheme

The scheme is intended for providing Financial Grant for conducting a Study Tour of ATAL TUNNEL by Students / faculty of AICTE approved Institutions in the field of technical education.

Objectives

1. To gain firsthand knowledge & information about the latest techniques used in construction of the tunnel and in **particular about the New Austrian tunneling method**.
2. Gain insight about the challenges & of risks encountered during the execution of this project and their resolution with particular reference to excavation during heavy snowfall in winter, blasting & digging of unstable rocks, alignment of the tunnel in view of digging & excavation from both ends of the tunnel, excavation & tunneling at more than 46 avalanche sites on approaches to the tunnel, disposal of huge quantities of excavated rock and soil, constant dewatering of heavy ingress of water, mudslides, landslides etc.
3. For enhancing the quality of engineering education in the country and to inculcate the research & innovation culture amongst the students.
4. To encourage engineering students to improve their field of technical education.

Eligibility

1. **AICTE approved Institutions in the field of Technical Education having latest NIRF ranking between 001 to 500 are eligible for the grant.**
2. **Team of 10 Students + 1 Faculty member of each eligible Institute.**
3. **Students should be from Regular 2nd & 3rd year B.E./B.Tech. and/ or Integrated M. Tech. students of Civil, Mechanical & Structural Engineering disciplines.**
4. **Selected students of the team should have minimum CGPA of 8.5 in the previous semester.**

AICTE – YOUTH UNDERTAKING VISIT FOR ACQUIRING KNOWLEDGE (YUVAK)

STUDY TOUR of ATAL TUNNEL

Duration of Study Tour & Limit of Financial Grant

The Study Tour will be for a period of 3 days excluding journey period from the Institution to Manali & back.

Grant will be for a maximum of **25 Institutions from NRO & NWRO Regions and 75 Institutions from remaining Regions** in a financial year.

Grant will be for Team of 10 Students + 1 Faculty member of the Institute as per details below:

S.No.	Expenditure Heads	For Institutes under NRO & NWRO	For Institutes under Other Regions
1.	Train Fare from Institute to Chandigarh & back	Rs. 30,000.00	Rs. 60,000.00
2.	Transport charges from Chandigarh to Manali (including visits to ATAL Tunnel) & back	Rs. 30,000.00	Rs. 30,000.00
3.	Boarding & Lodging and incidental expenses at Manali for 03 days	Rs. 1,10,000.00	Rs. 1,10,000.00
Total Grant Amount :		Rs. 1,70,000.00	Rs. 2,00,000.00

Disbursement of the Grant

50% of the total Grant will be paid to the Institution on receipt of finalized itinerary & schedule of the Study Tour.

The Institution will submit a Tour Report within One Month of conclusion of the Study Tour along with Utilization Certificate duly audited by Chartered Accountant.

Balance amount payable will be restricted to the 50% of the Grant Amount OR (Total Expenditure – Grant Amount Paid) whichever is less.

Processing Methodology

1. **AICTE approved Institutions in the field of Technical Education having latest NIRF ranking between 001 to 500 are eligible for the grant.**
2. **Each eligible institute can send ONLY ONE team of 10 Students + 1 Faculty member.**
3. **Selected students of each team should have minimum CGPA of 8.5 in the previous semester.**
4. **25 Institutions from NRO & NWRO Regions and 75 Institutions from remaining regions, as per the eligibility criteria, will be selected in a financial year on the basis of their NIRF ranking.**
5. Online submission of application by the **eligible** institute.
6. Screening of the received application at the Council Level.
7. An offer letter will be issued as the proposal gets selected and the same will be sent through email to the Institution.
8. The submission of application does not automatically mean that it has the approval of the AICTE.
9. **Only ONE proposal per Institute** will be accepted during the entire duration of the scheme.

UTILISATION CERTIFICATE FOR ATAL YUVAK STUDY TOUR

Name of the Scheme :: ATAL YUVAK STUDY TOUR

Sl No.	Sanction Order / Letter No. & Date under which the amount was sanctioned	Amount (Rs.)	
1	AICTE - YOUTH UNDERTAKING VISIT FOR AQUIRING KNOWLEDGE (YUVAK)	Rs .1,00,000/- (Rupees One Lakh only)	Certified that the Grant-in-aid Rs.2,00,000/- was sanctioned by AICTE and Rs. 1,00,000/- was released under ATAL YUVAK STUDY TOUR in favour of PRINCIPAL,PVPSIT . Out of the above grant of Rs. 1,00,000/- received & Rs.1,43,735/- amount advanced by Institution. Amount of Rs.2,43,735/ - has been utilized for the purpose for which it was sanctioned and the balance of Rs.NIL remained unutilized at the end of the period.

Certified that I have satisfied myself that the condition on which the amount was sanctioned has been duly fulfilled and that I have verified the Receipts and Payment account with reference to Bills and Vouchers submitted to me for verification to see that the money was actually utilized for the purpose for which it was sanctioned.

For RAO & MURTY

Chartered Accountants FRN: 0030955

Partner



(M. KRISHNA MURTY)

Membership No.010572

32-29-3/1,Ramalayam Street

Maruthi Nagar

VIJAYAWADA - 520 004

(UDIN : 21010572 AAAAC9541)

UDIN: 21010572 AAAACC9541

Place : Vijayawada

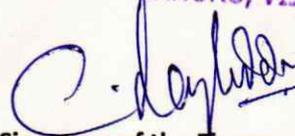
Date : 29/11/2021

Signature of the Head of Institute

Dr.K.SIVAJI BABU

Principal

PRINCIPAL
PRASAD V.POTLURI
SIDDHARTHA INSTITUTE OF TECHNOLOGY
KANURU, VIJAYAWADA-520 007.



Signature of the Finance Officer

Name : C RAGHUNATH REDDY

RECEIPTS AND PAYMENTS ACCOUNT FOR ATAL YUVAK STUDY TOUR

SI No	Receipts	Amount Rs.	SI No	Payments	Amount Rs.
1	To Grant received	1,00,000.00	1	By Fares To & Fro	81,035.00
2	To Amount Advanced by Institution	1,43,735.00	2	By Transportation charges from Delhi to Manali	40,000.00
			3	By Lodging charges	58,800.00
			4	By Boarding charges	60,900.00
			5	By Certification Charges	3,000.00
				By Closing Balance	0.00
	Grand Total	2,43,735.00		Grand Total	2,43,735.00

For RAO & MURTY

Chartered Accountants FRN: 003095S

M. Krishna Murthy



Partner

(M. KRISHNA MURTY)

Membership No.010572

32-29-3/1,Ramalayam Street

Maruthi Nagar

VIJAYAWADA - 520 004

(UDIN No. 21010572AAAACC9541)

UDIN:21010572AAAACC9541

K. Siva Babu
Signature of the Head of Institute

Dr.K.SIVAJI BABU

Principal

PRINCIPAL
PRASAD V.POTLURI
SIDDHARTHA INSTITUTE OF TECHNOLOGY
KANURU, VIJAYAWADA-520 007.

C. Raghunath Reddy
Signature of the Finance Officer

Name : C RAGHUNATH REDDY

Place : Vijayawada

Date : 29/11/2021