

Bapuji Educational Association (Regd.)
Bapuji Institute of Engineering & Technology, Davangere.
Department of Computer Science and Engg.

List of Projects Funded by the Institute Project Funding Scheme

Funding Agency	Year	Principal Investigator	Title of the Project Proposal	Amount Sanctioned
Institute Project Funding Scheme	2022-23	Dr. Santosh K C	A Real Time Hand Gesture Recognition with human computer interaction System	5000/-
		Prof. Gangadharappa S Prof. Jagadish A N	Traffic violation proctoring system: Helmet and triple riding detection	5000/-
	2021-22	Prof. S B Mallikarjuna and Shryavani K	Wheeled robot for isolation ward	9000/-
		Prof. Gangadharappa S	Underwater Image enhancement via medium transmission guided multicolor space embedding	6500/-
	2020-21	Naseer R	AI Based GAIT recognition for Biometric Surveillance	5500.00
		Dr. Roopa G M	Face Sketch Recognition using Computer Vision	5000.00
	2019-20	Dr. Nirmala C. R	Tourists recommendation system using machine learning techniques	5000.00
	2018- 19	Dr. Pradeep N	Identification of Personal traits using signatures	5000/-
		Dr. Nirmala C. R	Line and Character segmentation of Brahmi Scripts	5000/-



Program Coordinator

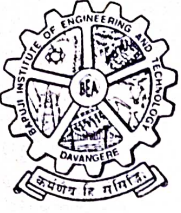
Dr. Nirmla C R

M.Tech. (CS&E), Ph.D.,

Professor and Head
Dept. of Computer Science & Engineering
Bapuji Institute of Engineering & Technology
DAVANGERE-577004. (Karnataka-India)

Web Site : www.bietdvg.edu
E-mail - Principal : principal@bietdvg.edu
E-mail - Director : director@bietdvg.edu

Office : 08192 - 221461
Director : 08192 - 222245
Fax : 08192 - 223261
Resi. : 08192 - 221578
Principal : 08192 - 220938
Fax : 08192 - 222016
Resi. : 08192 - 260942



Bapuji Educational Association (Regd.)

Bapuji Institute of Engineering & Technology

Post Box No. 325, DAVANGERE - 577 004, Karnataka - India.

Year of Establishment - 1979

(Affiliated to Visvesvaraya Technological University, Belagavi and Approved by AICTE, New Delhi)

Accredited by NAAC with 'A' grade and recognised by the Institution of Engineers (I), Kolkata.

ಬಾಪುಜಿ ಇಂಜಿನಿಯರಿಂಗ್ ಮತ್ತು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯ, ದಾವಣಗೆರೆ - 577 004.

Ref. No. : BIET /

Ref: BIET/R & D/Institute Funding/6-2022-23

Date.....

Date: 27-04-2023

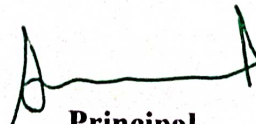
Subject: Submission of Innovative Student Project proposals of Final year UG under Institute Funding Scheme for the Academic year 2022-23.

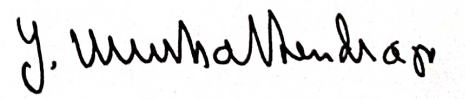
To promote excellence in research in higher education, Institute is supporting Final year UG student Projects of various programs in advanced and emerging engineering domain for the Academic year 2022-23. Hence, HODs of all the departments are hereby informed to formulate selection committee at the department level and nominate Innovative project proposals of Final year UG students for Institute Funding, 2 Projects from Civil, Mechanical, Electronics & Communication, Computer Science & Engineering, Information Science & Engineering and 1 project from Electrical & Electronics, Chemical, Bio-Technology, Textiles, Electronics & Instrumentation. Submit the hard copy of the Project Proposal synopsis to Dean R & D on or before 10-05-2023.

Guidelines to carry out the Project work:

1. The project should be performed based on the stated objectives of the project proposal.
2. Submit the duly forwarded Project Proposal (as per KSCST format) to Dean, R & D.
3. The project should be completed in all respects before 25th May 2023 and soft and Hard copy of the complete project synopsis should be submitted to Dean R & D, e-mail-agsiitr@gmail.com.
4. Only GST Bills will be accepted for financial assistance.

A. G. Shankar Reddy
Dean R& D


Principal


Director

Copy to: 1. All the HODs and
2. Account Section



Bapuji Institute of Engineering & Technology

Post Box No. 325, DAVANGERE - 577 004, Karnataka - India.

Year of Establishment - 1979

(Affiliated to Visvesvaraya Technological University, Belagavi and Approved by AICTE, New Delhi)

Accredited by NAAC with 'A' grade and recognised by the Institution of Engineers (I), Kolkata.

ಬಾಪುಜಿ ಇಂಜಿನಿಯರಿಂಗ್ ಮತ್ತು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯ, ದಾವಣಗೆರೆ - 577 004.

Ref. No. : BIET R & D / Institute Fund / 12 / 2022-23

Date: 15-05-2023

Subject: Sanction of Financial Assistance to the Selected Innovative Projects of Final Year UG students under Institute Funding Scheme for 2022-23 -reg.

Ref.: BIET/R & D/Institute Funding/6, dated: 27-04-2023

With reference to the above subject, Institute has sanctioned financial assistance to the following UG Final year student project proposals submitted under **Institute funding scheme** for the academic year 2022-23. Hence the respective department HODs to inform the Guides and students of the selected projects to submit the certified bills to the Principal office latest by 25-05-2023. Also forward 1 page report on the outcomes of the project findings to Dean R & D (e-mail: agsiitr@gmail.com).

List of Projects Sanctioned for Institute Funding for the Academic Year 2022-23

Sl. No.	Department	Title of the Project	Name of the Students	Name of Guides	Sanctioned Amount(Rs.)
1.	Civil Engineering	Water quality assessment of surface and subsurface water - Davanagere	Pooja P Rakesh H N Soundarya N M Harish L G	Priyanka N	5000.00
2.		Performance study on recycled aggregate concrete in carbon conditioning	Prajwal G T Matad Sanjay G A Tejaswini M Mithun Chavan	Arpitha D J	5000.00
3.	Mechanical Engineering	Design and Fabrication of an Implement for Multipurpose Agricultural Applications	Abhishek S Jadhav Karthik P M Nitish Kumar Y A Raghavendra Prasad B	Umesh B.S	5000.00
4.		Investigation of Tribological Wear of Jute Fiber Reinforced Composite	Akash N J Bhumika G S Jayanth H Nitish M K	Dr.Devendrappa K C	5000.00
5.	Computer science & Engineering	A Real-Time Hand Gesture Recognition with Human Computer Interaction System	Sushma Arjun D Akash S Chiniwalar Ruby T Varun Aradhya M C	Dr Santhosh K C	5000.00
6.		Traffic Violation Proctoring System: Helmet and Triple Riding Detection	Soundarya P Shalini K R Sahana S M Roja E N	Gangadharappa S Jagadish A N	5000.00

	Electronics & Communication Engineering	Hot Beverage Vending Machine	Rakshith Gouda Patil Rohan A M Sanamathi S Satabhai Mallikarjun M Koppad	Dr. Sunith G S	5000.00
8.	Engineering	LoRa Based Communication System for IoT	Hamsaveni P Manjunath N Naveen Kumar P Rawal Naveen Kumar Kalal	Dr. Ganesh K	5000.00
9.	Information Science & Engineering	Automatic Translation of Real-Time Voice to Indian Sign Language for Deaf and Dumb People.	Kruthika N Kumkum S B Md. Sufiyan U S Anusha.K.P	Dr. Anitha G	5000.00
10.	Engineering	Auto Recharging Smart Shoes for Blind and Deaf using IoT	Rahul A Grandhi Nidhi C Vachanashree M N Sahana N	Chaitra K J	5000.00
11.	Textile Engineering	Development of Blended Yarn using Soft Rush and Jute	Praveen C H Sanjana K B Srushti K Shenoy AnanthaPadmanabha SA	Nandeesh R S	5000.00
12.	Electrical & Electronics	Automatic Engine Locking Through Alcohol Detection and Image processing	Prathiksha B Tejaswini M B Aryan Singh Shashank Y S	Dr. Arun Kumar P	5000.00
13.	Chemical Engineering	Waste Management Eggshell as a Calcium Supplement	Prajwal B Patil Prajwal B K Amruthavarshinin K G Keerthana R Yagatimath	Shashikala K J	5000.00
14.	Electronics & Instrumentation	Vehicle to Vehicle Communication using LoRa Technology	Rakesh C K Swaroop H C Amareshwara S H	Prof. Ashalatha M E	5000.00
15.	Bio-Technology	Extraction and Synthesis of Nano-Cellulose from Bio Resources and its Dye removal Studies	Apeksha V Chavati Smitha K S Daneshwari V C Ananya N M	Dr. Manjunath N S Dr. Prasanna Kumar	5000.00

A. G. Shenker *mtz*
Dean, R & D

J. Umamahendram,
Director

A
Principal

Copy to: 1. All the HODs to submit the duly certified bills to Principal office for payment.
2. Account section.

Page 2 of 2

Bapuji Educational Association (Regd)
Bapuji Institute of Engineering & Technology, Davangere -4

Statement showing the details of the Institute project funding Bill Payment
For the students.

Project Proposal: Institute Project Funding Scheme

Title of Project: "Underwater Image Enhancement via Medium transmission
Guided Multicolor Space Embedding"

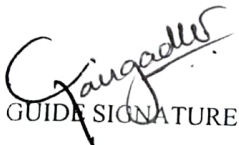
USN	Students:	Guides
4BD16CS035	Kamsali Sinchan	Gangadharappa S
4BD17CS012	Ankith G D	
4BD17CS076	Nikhil H N	
4BD17CS123	Sakshi C Jain	

Sanctioned Budget: 5000=00

S.N	Budget Head	Sanctioned Amount
I	Travel	3000=00
II	Report/Printout	3500=00
	Total :	6500=00

Bills for Payment:

I Travel		
S.N	Name of the Firm	Bill No./Date
1	M/s. Om Sai Tour and Travels	129 03/06/2022
	Total	3000=00
II Report		
S.N	Name of the Firm	Bill No./Date
1	Madhu Xerox	451 08/06/2022
	Total	3500=00
	Grand Total:	6500=00
	Cheque may issue in the name of Sakshi C Jain for Rs. 5000=00	


GUIDE SIGNATURE


HOD


PRINCIPAL


DIRECTOR

Bapuji Educational Association (Regd)
Bapuji Institute of Engineering & Technology, Davangere -4

Statement showing the details of the Institute project funding Bill Payment
For the students.

Project Proposal: Institute Project Funding Scheme

Title of Project: "Wheeled Robot for Isolation ward"

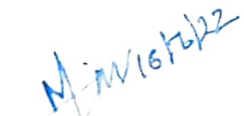
USN	Students:	Guides
4BD18CS074	Sahana K G	Prof. S B Mallikarjuna
4BD18CS076	Sahana N	
4BD18CS077	Sakshi J Pramod	
4BD19CS091	Shreya B	

Sanctioned Budget:

S.N	Budget Head	Sanctioned Amount
I	Travel	1000=00
II	Report/Printout	2000=00
III	Materials/Consumables	6000=00
	Total :	9000=00

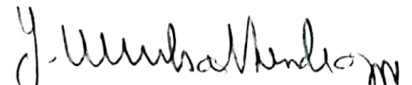
Bills for Payment:

Sl. No	Particulars	Bill no/date	Bill Amount
1	Jai Maruti Digital Xerox	25/01/2022	2000=00
2	Travel Charges	07/01/2022	1000=00
3	Materials	13/03/2022	6000=00
Total:			9000=00
Cheque may issue in the name of Sahana K G			Rs. 9,000/-


GUIDE SIGNATURE


HOD


PRINCIPAL





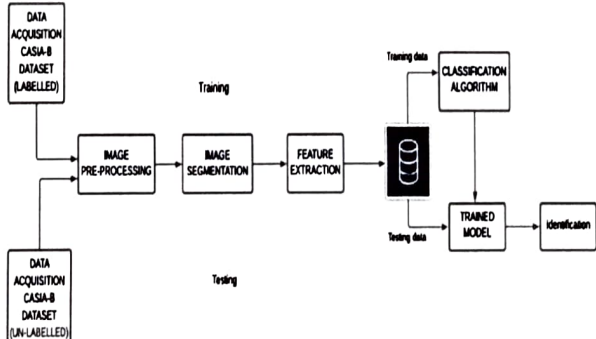

DIRECTOR



Bapuji Educational Association (Regd.)
Bapuji Institute of Engineering & technology
Department of Computer Science & Engineering, Davangere-
577004.

Institute Sponsored Student Project Proposal


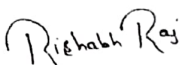


1.	Academic Year:	2020 - 21	
2.	Semester:	8	
3.	Name of the College:	Bapuji Institute of Engineering and Technology	
4.	Branch:	Computer Science and Engineering	
5.	Project Title:	AI Based Gait Recognition for Biometric Surveillance	
6.	Project Discipline:	Machine Learning	
7.	Principal	Name:	Dr. H B Aravind
		Contact No.:	08192220938
		Email id:	principal@bietdvg.edu
8.	HOD	Name:	Dr. Nirmala C.R.
		Contact No.:	9740770377
		Email id:	nirmala.cr@gmail.com
9.	Project Guide	Name:	Prof. Naseer R
		Contact No.:	9964057136
		Email id:	nasiry@gmail.com
10.	Project Coordinator	Name:	Dr. Roopa G M
		Contact No.:	8123888668
		Email id:	Roopa.rgm@gmail.com

11.	Name of Project Group Members	
1. Group leader and Member		
Name: Anil Kaundal USN No.: 4BD17CS010 Contact No: 7814406530 Email id: anilkaundal1999@gmail.com		
2. Member		
Name: Rishabh Raj USN No.: 4BD17CS092 Contact No: 7070465469 Email id: rishabhraj1310@gmail.com		
3. Member		
Name: Rishi Pradeep Sharma USN No. : 4BD17CS093 Contact No:9137269175 Email id:sharmarishi519.rs@gmail.com		
4. Member		
Name: Aman USN No.: 4BD17CS006 Contact No: 9304338018 Email id: amananand2751@gmail.com		
12.	Scope / Objectives of the project:	a. To apply suitable pre-processing and segmentation techniques on the collected dataset. b. To identify prominent features and extracting them for further processing. c. To develop a model that will recognize the subject.
13.	Methodology of work: (Including diagram, flow chart and design calculations)	 <pre> graph TD subgraph Training A[DATA ACQUISITION CASA-B DATASET LABELLED] --> B[IMAGE PRE-PROCESSING] B --> C[IMAGE SEGMENTATION] C --> D[FEATURE EXTRACTION] D --> E[CLASSIFICATION ALGORITHM] E --> F[TRAINED MODEL] end subgraph Testing G[DATA ACQUISITION CASA-B DATASET UN-LABELLED] --> H[TRAINED MODEL] H --> I[Identification] end F --> I </pre>

14.	Expected outcome of the Project	A GUI having two divisions in which one is displaying the video input and another one displaying transformed silhouettes. Also it has buttons which has different functionality, such as: - adding new subject, training the model with new subject and compare.						
15.	Application Of the Project	The main application of this project is to make a robust Biometric Surveillance system .						
16.	Budget Details with Material Required	1. Report Printing and Binding: Rs. 1000/- 2. Online Web service: Rs. 2000/- 3. Hardware components: Rs. 2000/- 4. Miscellaneous: Rs. 500/- Total Amount: Rs. 5500/-						
17.	Date of commencement of the Project	06-01-2021						
18.	Probable date of completion of the project	05-07-2021						
19.	Duration of project work	6 months						
20.	Pert chart for completion of the project in said duration as per planned activities:							
	SI .No	Activities Planned	1Month	2Month / Week	3Month /Week	4Month / Week	5Month /Week	6Month / Week
	01	Literature review						
	02	Planning/ Designing						
	03	Assembly/ Fabrication Work						
	04	Final Testing						
	05	Result& Calculation/ Conclusion						
	06	Preparation Of Report & Submission						

DECLARATION BY THE STUDENTS

We, the project group members hereby declare that the details enclosed in the project proposal are true and correct to the best of our knowledge. If any changes there in the project title, students name will be intimated immediately. In case, any of the above information is found to be false or untrue or misleading, we are aware that we may be held liable for it.

SL. No.	Name of the Student	Student Signature
01.	Anil Kaundal	
02.	Rishabh Raj	
03.	Rishi Pradeep Sharma	
04.	Aman	



Bapuji Institute of Engineering & Technology

Post Box No. 325, **DAVANGERE - 577 004**, Karnataka - India

Year of Establishment - 1979

(Affiliated to Visvesvaraya Technological University and Approved by AICTE, New Delhi)
Accredited by N.B.A., New Delhi and The Institution of Engineers (I), Kolkata.

ಬಾಪುಜಿ ಇಂಜಿನಿಯರಿಂಗ್ ಮತ್ತು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯ, ದಾವಣಗೆರೆ - 577 004.

Ref. No. : BIET/ CS/560/2021-22

Date 02/07/2021.....

ENDORSEMENT

This is to certify that:

1. Anil Kaundal (4BD17CS010)
2. Rishab Raj (4BD17CS092)
3. Rishi Pradeep Sharma (4BD17CS093)
4. Aman (4BD17CS006)

Are bonafide students of Department of Computer Science and Engineering of our institution. If the project proposal submitted by these students under Institute Sponsored Student Project Proposal is selected by Institute, we will provide the required laboratory / Computer / infrastructure support in our college/ Institution . Further we also take necessary steps that the project group will exhibit / demonstrate their project in exhibition at BIET, Davangere. If the student group fails to attend the evaluation in the Institute, the supported project amount will not be issued.

Sig nature of Project Guide with date	Sig nature of HOD with Seal and date	Sig nature of the Principal with Seal and date
Name: Prof. Naseer R	Name: Dr. Nirmala C R	Name: Dr. H. B. Aravinda

Dr. Nirmala C R
M.Tech.(CS&E), Ph.D.,
Professor and Head
Dept. of Computer Science & Engineering
Bapuji Institute of Engineering & Technology
DAVANGERE-577004. (Karnataka-India)





PRINCIPAL
Bapuji Institute of Engg. & Technology
DAVANGERE-577004



Bapuji Educational Association (Regd.)
Bapuji Institute of Engineering & technology
Department of Computer Science & Engineering, Davangere-
577004.

Institute Sponsored Student Project Proposal

1.	Academic Year:	2020-21	
2.	Semester:	8th Semester	
3.	Name of the College:	Bapuji Institute of Engineering and Technology	
4.	Branch:	Computer Science and Engineering	
5.	Project Title:	Face Sketch Recognition using Computer Vision	
6.	Project Discipline:	Cyber Security	
7.	Principal	Name:	Dr. H B Aravind
		Contact No.:	9844061789
		Email id:	principal@bietdvg.edu
8.	HOD	Name:	Dr. Nirmala C R
		Contact No.:	9740770377
		Email id:	nirmala.cr@gmail.com
9.	Project Guide	Name:	Dr. Roopa G M
		Contact No.:	8123888668
		Email id:	roopa.rgm@gmail.com
10.	Project Co-Guide	Name:	
		Contact No.:	
		Email id:	
11.	Project Coordinator	Name:	
		Contact No.:	
		Email id:	

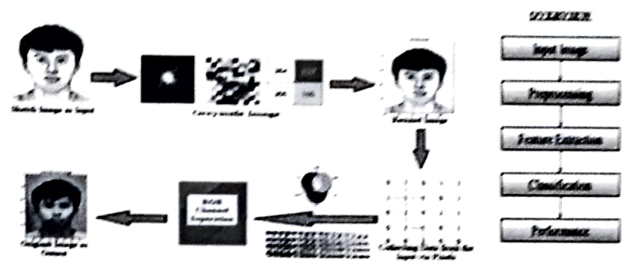
12.	Name of Project Group Members	
1. Group leader and Member		
Name: NIDHI S JAIN		
USN No: 4BD17CS121		
Contact No: 9148354550		
Email id: jainnidhi107@gmail.com		
2. Member		
Name: YEMIMAH ANGEL MD		
USN No.: 4BD17CS119		
Contact No: 9880173233		
Email id: yemi3903@gmail.com		
3. Member		
Name: K S MEGHANA		
USN No: 4BD17CS049		
Contact No: 9113055542		
Email id: ksmeghana99@gmail.com		
4. Member		
Name: NEHA PAWAR KR		
USN No.: 4BD17CS120		
Contact No: 8217877228		
Email id: nehapawar2699@gmail.com		
13.	Scope / Objectives of the project:	The main goal of this project is to come up with the solution which will leverage the power of deep learning image classification behind the scenes and help in recognizing the criminal's face accurately with the following functionalities: 1. To develop a model to predict a face-sketch of a criminal with high accuracy. 2. To apply supervised machine learning method to the model to achieve precise matching.

14.

Methodology of work: (Including diagram, flow chart and design calculations)

The proposed face sketch recognition approach has four main modules for image acquisition, module for extraction of features, module for training classifier database, and module for classification. Initially, the face datasets are collected by the image acquisition module.

Then, a series of salient features are extracted by applying feature extraction module. These facial features are used to analyze face landmarks which represent human identity information. In the next process, the classifier is trained for recognizing the face. In the last module, the system recognizes face image and fetch information about the person from the database.



Model Design

The six stages are:

- Data gathering of face images of subjects.
- Pre-processing of face images i.e., cropping, grayscale conversion.
- Feature extraction of the sketch image using Pattern Based Algorithm.
- Discrete Cosine Transform (2D - DCT) image compression of face image classes.
- Training the sketch images from the mugshot dataset using SVM, a supervised Machine Learning Algorithm.
- Testing and validation of the program and technique.

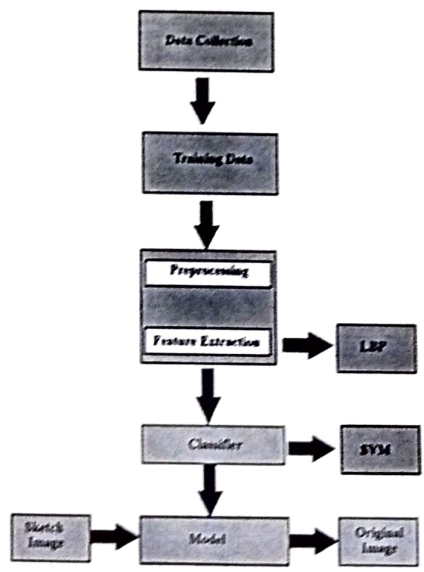


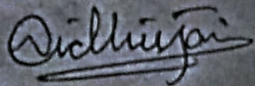
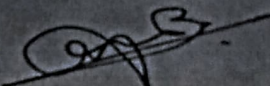
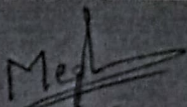
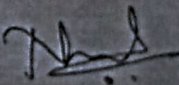
Fig 4.1: Flow Diagram

15.	Expected outcome of the Project	The project focuses on developing a technique that provides a solution for an efficient face sketch identification system in forensic applications. The digital image mug-shot is considered to be used as an original face image and the corresponding sketches of different faces is considered to be drawn by a forensic artist. Here some specific facial geometric feature which could be used to calculate some ratio of similarities from the template photograph database against the forensic sketch.														
16.	Application of the Project	Face recognition is commonly used in applications such as human-machine interfaces, automatic access control systems and forensic investigations etc. which involves comparing a face image with a database of stored faces in order to identify the face in the image. Forensic sketches play an important role in criminal identification process. These sketches are drawn by forensic artists on the basis of the description provided by an eyewitness or victim. These sketches are publicized to get some clues to reveal the identity of the criminals. A faster way to identify the criminals is to match the forensic sketch with some mug-shot database. In the process of drawing a sketch, the description provided by the eyewitness often includes some unique facial details comprising the deviations from an average face. This project involves the design and development of a face sketch identification system.														
17.	Budget Details with Material Required	<table border="1"> <thead> <tr> <th>Budget</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>a) Materials</td> <td>1500.00</td> </tr> <tr> <td>b) Tools</td> <td>1000.00</td> </tr> <tr> <td>c) Travel</td> <td>1000.00</td> </tr> <tr> <td>d) Report</td> <td>1000.00</td> </tr> <tr> <td>e) Miscellaneous</td> <td>500.00</td> </tr> <tr> <td>Total</td> <td>5000.00</td> </tr> </tbody> </table>	Budget	Amount	a) Materials	1500.00	b) Tools	1000.00	c) Travel	1000.00	d) Report	1000.00	e) Miscellaneous	500.00	Total	5000.00
Budget	Amount															
a) Materials	1500.00															
b) Tools	1000.00															
c) Travel	1000.00															
d) Report	1000.00															
e) Miscellaneous	500.00															
Total	5000.00															
18.	commencement date of the Project	January 2021														
19.	Probable date of completion of the project	July 2021														
20.	Duration of project work	7 Months														
21.	Pert chart for completion of the project in said duration as per planned activities															

SI. No	Activities Planned	1Month	2Month / Week	3Month / Week	4Month /Week	5Month / Week	6Month /Week
01	Literature review						
02	Planning/ Designing						
03	Assembly/ Fabrication Work						
04	Final Testing						
05	Result& Calculation/ Conclusion						
06	Preparation Of Report & Submission						

DECLARATION BY THE STUDENTS

We, the project group members hereby declare that the details enclosed in the project proposal are true and correct to the best of our knowledge. If any changes there in the project title, students name will be intimated immediately. In case, any of the above information is found to be false or untrue or misleading, we are aware that we may be held liable for it.

SL. No.	Name of the Student	Student Signature
1.	NIDHI S JAIN	
2.	YEMIMAH ANGEL MD	
3.	K S MEGHANA	
4.	NEHA PAWAR KR	



Bapuji Institute of Engineering & Technology

Post Box No. 325, DAVANGERE - 577 004. Karnataka - India

Year of Establishment - 1979

(Affiliated to Visvesvaraya Technological University and Approved by AICTE, New Delhi)

Accredited by N.B.A., New Delhi and The Institution of Engineers (I), Kolkata.

ಬಾಪುಜಿ ಇಂಜಿನಿಯರಿಂಗ್ ಮತ್ತು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯ, ದಾವಣಗೆರೆ - 577 004.

Ref. No.: BIET/CS/560/2021-22

Date 08/7/2021

ENDORSEMENT

This is to certify that:

1. K S Meghana (4BD17CS049)
2. Yemimah Angel MD (4BD17CS119)
3. Neha Pawar K R (4BD17CS120)
4. Nidhi S Jain (4BD17CS121)

Are bonafide students of Department of Computer Science and Engineering of our institution. If the project proposal submitted by these students under Institute Sponsored Student Project Proposal is selected by Institute, we will provide the required laboratory / Computer / infrastructure support in our college/ Institution . Further we also take necessary steps that the project group will exhibit / demonstrate their project in exhibition at BIET, Davangere. If the student group fails to attend the evaluation in the Institute, the supported project amount will not be issued.

Signature of Project Guide with date	Signature of HOD with Seal and date	Signature of the Principal with Seal and date
Name: Dr. Roopa G M	Name: Dr. Nirmala C R	Name: Dr. H. B. Aravinda

Dr. Nirmala C R
M.Tech.(CS&E), Ph.D.,
Professor and Head
Dept. of Computer Science & Engineering
Bapuji Institute of Engineering & Technology
DAVANGERE-577004. (Karnataka-India)

PRINCIPAL
Bapuji Institute of Engg. & Technology
DAVANGERE-577004

BIET/PAD/72/2019-20

To,
Professor & Head
Department of Computer Science & Engineering
Bapuji Institute of Engineering and Technology
Shamnanur Road,
Davangere -577004

Date: 9/04/2019



Dear Sir/Madam,

Sub: Sanction of Student Project from the institute for the year 2018-19

Reference: Project Proposal titled: "Tourist Recommendation System using Machine Learning Techniques"

I am happy to inform that your project proposal referred above, has been recommended by the Projects Evaluation Committee of BIET and approved by the Principal under student project scheme. Budgetary break-up as detailed below.

Students	Dev Manu Akshay Hiremath Arshiya A Aditi Singh	Budget	Amount
		Materials/consumables	6000/-
Guide/s	Dr. Nirmala C R	Travel and Report Preparation	
Department	Computer Science and Engineering	Miscellaneous	
Rupees Six thousand only		Total	6000/-

The following are the guidelines to carry out the project work:

- The project should be performed based on the objectives of the proposal presented.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.doc and .pdf format) should be submitted to the head of the department concerned / Dean R and D.

The sanctioned amount can be collected from the institute by submitting proper bills of expenditure, duly signed by Head of the department and Principal.

Yours sincerely,

Rangana B. E
Dean R&D

J. Venkatesh
Director

M. C. Narayana
Principal

Bapuji Education Association ®
Bapuji Institute of Engineering & Technology
Research and Development Cell
Davangere-577004

BIET/R4D/72/2019-20

Date: 9/04/2019

To,
Professor & Head
Department of Computer Science & Engineering
Bapuji Institute of Engineering and Technology
Shamnanur Road,
Davangere -577004



Dear Sir/Madam,

Sub: Sanction of Student Project from the institute for the year 2018-19

Reference: Project Proposal titled: **“Identification of Personal Traits using Signatures”**

I am happy to inform that your project proposal referred above, has been recommended by the Projects Evaluation Committee of BIET and approved by the Principal under student project scheme. Budgetary break-up as detailed below.

Students	NadiraKhanum Vaibhavi N V Sadvini S L Puja Kumari	Budget	Amount
Guide/s	Dr. Pradeep N	Materials/consumables	6000/-
Department	Computer Science and Engineering	Travel and Report Preparation	
		Miscellaneous	
Rupees Six thousand only		Total	6000/-

The following are the guidelines to carry out the project work:


- The project should be performed based on the objectives of the proposal presented.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.doc and .pdf format) should be submitted to the head of the department concerned / Dean R and D.

The sanctioned amount can be collected from the institute by submitting proper bills of expenditure, duly signed by Head of the department and Principal.

Yours sincerely,


Dean R&D


Director


Principal