Bhavan's Vivekananda College
of Science, Humanities and Commerce
(Sainikpuri, Secunderabad, Telangana – 500094)
Reaccredited with 'A' Grade by NAAC
Autonomous College – Affiliated to Osmania University

Commencement of B.Sc (Honors) Data Science

2020-21

Bharatiya Vidya Bhavan
(Founded in 1938 by Kulapati Dr. K.M. Munshi)
BHAVAN'S VIVEKANANDA COLLEGE
of Science, Humanities & Commerce
Estd : 1993 AFFILIATED TO OSMANIA UNIVERSITY
AUTONOMOUS COLLEGE
ACCREDITED WITH "A" GRADE BY NAAC
SAINIKPURI, SECUNDERABAD - 500 094. Ph : 27111611, 27115878

501/BVC/ACM/2019

Date :
28th December, 2019

To

Sub : 6th Academic Council Meeting of Bhavan's Vivekananda College, Sainikpuri – Reg.

***

Dear Sir/Madam,

The 6th (Sixth) Academic Council Meeting of Bhavan's Vivekananda College is scheduled on 6th January, 2020 (Monday) at 10.30 am in the Committee Room, MBA Block.

The agenda for the meeting is as follows :

(a) Approval of the Minutes of the 5th Academic Council Meeting held on 6th May 2019.
(b) Approval of Minutes of Standing Committee Meeting held on 17th July, 2019
(c) Brief on College activities.
(d) Consideration and approval of the decisions of the Boards of Studies of all the departments.
(e) Commencement of new programs during 2020-21 :
    i) B.Sc (Microbiology, Nutrition & Dietetics, Chemistry)
    ii) B.Sc (Honours) (Data Analytics).
(f) Examination related matters :
    i) Conduct of backlog examinations during odd semester.
    ii) Conversion factor for CGPA.
(g) Briefing on NAAC Re-accreditation.
(h) Any other points with the permission of the Chairman.

Thanking You,

Yours Sincerely

Prof.Y Ashok
PRINCIPAL

(Dr. Y. ASHOK)
PRINCIPAL
Bhavan's Vivekananda College of Scienc
Humanities & Commerce
Sainikpuri, R.R. (Dist.)

590/BVC/ACM/2020 6th January 2020

MINUTES OF THE 6th MEETING OF THE ACADEMIC COUNCIL OF BHAVAN'S VIVEKANANDA COLLEGE OF SCIENCE, HUMANITIES AND COMMERCE, SAINIKPURI, HELD ON 6th JANUARY 2020 AT 10.30 a.m. IN THE COLLEGE PREMISES

VI - 1.0	Members present:	Designation	
1	Prof. Y Ashok	Principal	Chairman
2	Prof. Appa Rao V	Dean, Faculty of Commerce	Member
3	Prof. Shivaraj	Dean, Faculty of Science	Member
4	Prof. Karunaker A	Dean, Faculty of Arts	Member
5	Prof. P S N Reddy	Retd. Professor, Osmania University, Hyd	Member
6	Prof. M Gopal Reddy	Retd. Professor, Osmania University, Hyd	Member
7	Dr. Madhumita Bhattacharjee	Head, Dept. of Chemistry	Member
8	Dr. K Sreelatha Reddy	Head, Dept. of Commerce	Member
9	Dr. K Vasudeva Rao	Head, Dept. of Maths & Statistics	Member
10	Dr. K Anuradha	Head, Dept. of Microbiology	Member
11	Mrs. KVB Saraswathi Devi	Head, Dept. of Computer Science	Member
12	Dr. A Sai Padma	Head, Dept. of Biochemistry	Member
13	Dr. N S Chakravarthy	Head, Dept. of Management Studies	Member
14	Dr. G Kondal Reddy	Physical Director	Member
15	Dr.Seema Ghosh	Head, Dept. of Economics & Co-ordinator - BA	Member
16	Mr. P R Venugopal	Asst. Professor, Dept. of Commerce	Member
17	Mrs. G S Mini	Asst. Professor, Dept. of Maths & Stats.	Member
18	Dr.J Sarada	Asst. Professor, Dept. of Microbiology	Member
19	Dr. M V S Mahendra	Associate Professor, Dept. of Mgmnt. Studies	Member
20	Dr.GSRKV Choudhary	Asst. Professor, Dept. of Physics & Electronics	Representative- Dept of Physics & Electronics
21	Dr.B Kalpana	Asst. Professor, Dept. of Genetics & Biotech.	Representative -Dept of Genetics & Biotechnology
22	Mr. Bibhudendu Das	Lecturer, Dept. of Political Science	Special Invitee
23	Mr. Shiva Trishul	Lecturer, Dept. of Mass Communication	Special Invitee
24	Ms.PNL Srilalitha	M.Sc (Microbiology) II Yr	Student Representative
25	Ms. Madhuri Mathur	Lecturer in English, Dept. of Languages	Member Secretary & Representative Dept. of Language:

VI -2.0 Agenda for discussion:

(a) Approval of the Minutes of the 5th Academic Council Meeting held on 6th May 2019.
(b) Approval of Minutes of Standing Committee Meeting held on 17th July, 2019
(c) Brief on College activities.
(d) Consideration and approval of the decisions of the Boards of Studies of all the departments.

(ii) *The fact that the Dept. of Management Studies of the college has submitted a proposal to Osmania University for recognition as a Centre for conducting research leading to Ph.D degree may be recorded.*

(iii) *Result analysis for UG Programmes may be presented faculty-wise, that is, percentage may be calculated separately for Commerce, Physical Sciences, Life Sciences, Management and Humanities.*

(iv) *Outreach programmes for school teachers may be organized by Department of Languages, especially English.*

(v) *Resolved that atleast 40% faculty in each department publishes articles in UGC-CARE journals.*

(vi) *The Principal may, on behalf of the Academic Council, send congratulatory messages to the faculty members who have won awards during the academic year 2019-20.*

(d) ***Consideration and approval of the decisions of the Boards of Studies of all the departments:***

The decisions of the Boards of Studies meetings of all departments are approved.

The members expressed concern regarding poor results in Chemistry and suggested that an in-depth analysis may be made to identify the root cause and initiate necessary corrective action.

(e) ***Commencement of new programmes during 2020-21:***

Two new programmes are proposed to be introduced from 2020-21 academic session. These are –

(i) *B.Sc (Microbiology, Nutrition & Dietetics, Chemistry)*
(ii) *B.Sc (Honours) (Data Science)*

Resolution :

The programmes are approved in principle. The details of syllabus and programme structure for the entire period of study, along with the recommendations of the respective Boards of Studies, may be presented to the Academic Council / Standing Committee of the Academic Council for consideration and approval before commencement of the programmes.

The members made the following suggestions in this context:

(i) *A Programme should be named in accordance with the nomenclature approved by UGC.*

(ii) *An 'Honours' degree programme should be distinctive and reflect higher value than the regular degree programme in terms of the number of years of study, courses, curriculum, credits, project, research component etc.*

(iii) *The college may offer the Honours programme as a four year degree programme with an exit option at the end of three years. The fourth year is devoted to internship / research project, as recommended in the National Education Policy - 2019.*

the Protection of Children from Sexual Offences (Pocso) Act in a case registered at Bahadurpura police station in 2015. The judge also imposed a fine of ₹2,000 for each of the two offences he was found guilty of.

Following a complaint from the boy's father, Bahadurpura police registered a case against the accused teacher under sections 6 of the Pocso Act and 377 and 506 of the Indian Penal Code.

beneath the bridge. He had urged the court to stall construction work on the bridge. However, the GHMC refuted the claims.

In an earlier hearing, advocate general BS Prasad had argued that the construction of the bridge will not interfere with the work.

A bench of Chief Justice Raghvendra Singh Chauhan and Justice B Vijaysen Reddy had appointed advocate Vedula Srinivas as amicus curiae in the matter. Srinivas, after studying the

T raises ₹2k cr through open mkt borrowing

Sribala.Vadlapatla
@timesgroup.com

Hyderabad: The Telangana government on Tuesday raised ₹2,000 crore as state development loan (SDL) in an auction conducted by the Reserve Bank of India (RBI). The tenure of SDL will be 10 years and will have a cut-off yield of 6.6%. This is the second time the state has gone for borrowing this month. It had earlier done so on June 9.

After the latest round of auctions, the total market borrowing for the current financial year has reached ₹12,500 crore. Before the coronavirus crisis, the government had initially planned to raise ₹9,000 crore in the first quarter of FY2020-21. However, with income generation taking a hit, the state has had to set aside its original plan. As per the Centre, the state is allowed to raise ₹15,051 crore through open market borrowing in the first nine months.

No arrests yet over death of 16-yr-old domestic help

TIMES NEWS NETWORK

Hyderabad: Activists have approached the Telangana State Human Rights Commission (SHRC) as no arrest had been made for weeks in a case wherein a minor girl working as a domestic help under suspicious circumstances in Bachupally. The couple who had hired the the girl had been booked under Juvenile Justice Act, SC/ST (Prevention of Atrocities) Act and Bonded Labour System (Abolition) Act.

"The post-mortem examination (PME) report is awaited. We are still investigating the case. No arrests have been made," Bachupally inspector P Jagadeeshwar said. The deceased 16-year-old hailing from Andhra Pradesh's East Godavari district had made a call to her mother on June 1 complaining of harassment by her employers just before her death.

The minor had been employed as a 13-year-old by the couple — A Prasad and Sumalatha — who reside on Rajeev Gruhakalpa Road. According to police reports, a half-opened bottle of pesticide was found in the room where the minor's body was found. Following the incident, a complaint had been filed with the State Human Rights Commission who had forwarded the same to the State Commission for Protection of Child Rights.

"The SCPCR has not responded about the status of the investigation till now except that the investigation has been initiated. The post mortem exam report has not been given to her mother. He belongings are being held back by her employers," said Lisee Joseph of National Domestic Workers' Association.

Two held for murder of Cong worker

TIMES NEWS NETWORK

Hyderabad: Four days after a Congress worker was murdered in Shadnagar, a realtor and his driver were arrested at Keshampet crossroads by Cyberabad police on Monday. The victim, B Ram Chandra Reddy (62), was also a realtor. He was stabbed to death allegedly by B Pratap Reddy (34), a realtor from Shadnagar, and his driver Vijay Kumar (23) on June 19. The duo drove the car to Penjerla village near Kothur and abandoned the body inside the car in an open land.

After committing the murder, Pratap even called up cops about locating a body in the open land. "Pratap and his driver stabbed Ram Chandra with broken pieces of scissors while he was seated in the car. Pratap also held a grudge against Ram Chandra for humiliating him by referring to inter-religious marriages in his family," Shadnagar ACP V Surender said. The accused confessed to the crime which they attributed to a property dispute.

Two dacoits get 8-year jail term for bid to loot

TIMES NEWS NETWORK

Hyderabad: Two members of an armed dacoit gang who had been involved in an attempt to loot a jewellery store Keesara in 2018 were sentenced to eight years of rigorous imprisonment and imposed a fine of ₹100 each. The accused, identified as 22-year-old Brijbhushan and 30-year-old Shashibhushan, belong to Gorakhpur in Uttar Pradesh.

According to police, in 2017 and 2018, the gang which included the two were found to be involved in four cases which involve murder and automobile theft under Cyberabad and Rachakonda commissionerates. The gang was also said to be involved in a shootout with police in Gujarat.

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Ph: 040-27111611, 27115878, www.bhavansvc.ac.in

UG Admission Notification 2020-21

Courses Offered

B.Sc. (Physical Sciences)
1. Mathematics, Physics, Comp. Science
2. Mathematics, Electronics, Comp. Science
3. Mathematics, Statistics, Comp. Science
B.Sc. (Hons.) with Data Science*

B.Sc. (Life Sciences)
1. Microbiology, Biochemistry, Chemistry
2. Biotechnology, Genetics, Chemistry
3. Microbiology, Genetics, Chemistry
4. Microbiology, Nutrition and Dietetics, Chemistry*

Commerce
1. B.Com (Regular)
2. B.Com (Computers)
3. B.Com (Hons)
4. B.Com (Hons) - Business Analytics

B.A. (Mass Communications, Political Science, Economics)

BBA **BCA**

* Proposed Courses

Application forms for admission can be submitted through online from **29-06-2020** to **19-07-2020**. The detailed instructions regarding the eligibility, procedure for online submission of applications and admission schedule will be posted on the college website **www.bhavansvc.ac.in.**

Sd/- **Principal**

CMYK +

Bharatiya Vidya Bhavan

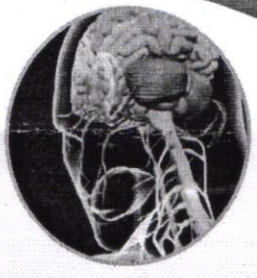
BHAVAN'S VIVEKANANDA COLLEGE

of Science, Humanities & Commerce

Autonomous College

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Prospectus

2020 - 2021

Programmes Offered & Eligibility for Admission

P.G. Programmes : Admissions are done by the Director of Admissions, Osmania University, Hyderabad, through a common entrance test conducted by Osmania University (except MBA). Admissions to MBA are done by the convener TS - ICET, except Management Quota.

U.G. Programmes : UG Admissions are done on the basis of merit at the qualifying exam

Ph.D Programmes

1.) **Ph.D - Microbiology**
2.) **Ph.D - Biochemistry**

PG Programmes

S. No.	Sections	Strength per Section
1. M.Sc. Computer Science	1	40
2. M.Sc. Microbiology	1	30
3. M.Sc. Biochemistry	1	30
4. MBA	2	60
5. M.Com	1	40

UG Programmes

S. No.	Sections	Strength per Section
1. **BCA**	1	50
B. Sc. (Physical Sciences)		
2. B. Sc. (Mathematics, Physics, Computer Science)	1	50
3. B.Sc (Mathematics, Statistics, Computer Science)	2	50
4. B.Sc (Mathematics, Electronics, Computer Science)	2	50
5. B.Sc (Hons) Data Science	1	50
B.Sc. (Life Sciences)		
6. B.Sc (Microbiology, Biochemistry, Chemistry)	1	50
7. B.Sc (Microbiology, Genetics, Chemistry)	1	50
8. B.Sc (Biotechnology, Genetics, Chemistry)	1	50
9. B.Sc (Microbiology, Nutrition and Dietetics, Chemistry)	1	50
B. Com		
10. B. Com (Regular)	2	60
11. B. Com (Computers)	2	60
12. B. Com (Hons)	2	60
13. B. Com (Hons) Business Analytics	1	60
14. **B. A** (Mass Communication, Political Science, Economics)	1	60
15. **B.B.A**	2	60

504/BVC/GBM/2020 5th February 2020

MINUTES OF THE 46th MEETING OF THE GOVERNING BODY OF BHAVAN'S VIVEKANANDA COLLEGE OF SCIENCE, HUMANITIES AND COMMERCE, SAINIKPURI HELD ON 10TH JANUARY 2020 AT 10.30 A.M. IN THE COMMITTEE ROOM, MBA BLOCK, IN THE COLLEGE PREMISES.

1. The following members were present:

1. Air Cmde (Retd.) JLN Sastry, VSM	:	Chairman - GB
2. Prof. D Sreeramulu	:	Member - OU Nominee
3. Prof. K Shankaraiah	:	Member - State Govt. Nominee
4. Dr. Balbir Beniwal	:	Member - UGC Nominee
5. Prof. PSN Reddy	:	Member
6. Prof. Souri Banerjee	:	Member
7. Mr. Ganesh Aiyer	:	Member
8. Dr. Suren Sista	:	Member
9. Dr. Jyothi Nayar	:	Member
10. Dr. K. Sreelatha Reddy	:	Member
11. Prof. Y Ashok	:	Member Secretary

Prof. Raja Shekar, Member did not attend the meeting and requested for leave of absence.

2. The Chairman, Air Cmde (Retd.) JLN Sastry welcomed all the members of the Governing Body and wished them a Very Happy New Year–2020. He then took up the agenda points for discussion.

Agenda Point No. 1: Approval of the minutes of the 45th Governing Body Meeting :

3. Principal, Prof. Y Ashok briefly explained about the action taken on points discussed in the 45th Governing Body meeting as under:
   a) The decisions of the Board of Studies of Statistics, English and Hindi were approved by the Standing Committee.
   b) The resolution for own PG admissions by the college as per PGCET Ranks could not be implemented due to delay in the declaration of the OU UG results and delay in the announcement of PGCET Ranks.
   c) The decision to award grace marks to the students excelling in sports as per the University order letter No. 958/M/Acad./2015, dated 16/06/2018 was implemented.
   d) The guidelines suggested for student nomination in the Board of Studies and Academic Council were implemented.
   e) The audit of question papers for quality check by external subject experts is scheduled to be held in February 2020.
   f) The suggestion regarding the new program B.Com. (Hons.) (Business Analytics), introduced in the academic year 2019-2020 was implemented.

4. The members of the Governing Body thereafter unanimously approved the minutes of the 45th Governing Body Meeting held on 10th May, 2019.

10. The Governing Body resolved to approve all the decisions of the Board of Studies as recommended by the Academic Council.

Agenda Point No. 4: Consideration and approval of decisions of Academic Council in its meeting on 06/01/2020:

11. The Academic Council made the following recommendations in its meeting held on 6th January 2020 for consideration and approval of the Governing Body.

a) To implement National Integration Quota for admissions to UG Courses as per TSCHE / Osmania University guidelines.
b) All Departments to offer at least one certificate course every year.
c) Heads of the Departments to motivate faculty and ensure that at least 40% of the faculty members do research publications in quality journals- UGC,CARE.
d) The Governing Body approved the recommendation of the Academic Council to conduct Backlog examinations of I/III /V semesters during regular examinations of these semesters. However, this facility will be only for regular students of the college.
e) In cases where necessary, a letter mentioning the percentage of marks may be issued with the joint signatures of Controller of Examinations, BVC and Principal BVC.
f) To introduce at least one online course for all PG students and students of B.Com (HBA) and BCA, as part of the curriculum from the academic year 2020-21 in the third semester starting from the batch of students to be admitted in 2019-2020.
g) The Governing Body approved the suggestion to conduct Convocation/Graduation Day during the academic year 2020-2021 (for the batch passing out in March/April 2020.

12. The Governing Body resolved to approve all the above recommendations of the Academic Council and made the following suggestions.
a) Prof. Souri Banerjee suggested that our college should enter into MOUs with other Universities/Institutions for research and publications.
b) Prof. K Shankaraiah suggested that the faculty members of the college design courses for MOOCs for which there is support and funding from Osmania University.

13. Prof. Y. Ashok stated that all these suggestions would be examined in detail for implementation. As regards, holding the convocation, he said that the details would be worked out and put up for discussion in the next Governing Body Meeting.

Agenda Point No. 5: Proposal for commencement of new programmes during 2020-2021:

a) **B.Sc. (Microbiology, Nutrition and Dietetics, Chemistry)**
b) **B.Sc. (Hons) (Data Analytics)**

Principal Prof.Y.Ashok stated that the Boards of Studies and Academic Council recommended for commencement of two New Programmes in B.Sc.namely;

(i) B.Sc. (Hons) (Data Science)
(ii) B.Sc. (Microbiology, Nutrition and Dietetics, Chemistry)

504/BVC/GBM/2020 8th June 2020

MINUTES OF THE 47th MEETING OF THE GOVERNING BODY OF BHAVAN'S VIEKANANDA COLLEGE OF SCIENCE, HUMANITIES ANDCOMMERCE, SAINIKPURI HELD ON 29TH JUNE 2020 AT 11.00 A.M. THROUGH ZOOM PLATFORM

The following members were present:

1. Air Cmde. (Retd.) JLN Sastry, VSM	:	Chairman – GB
2. Dr. Balbir Beniwal	:	Member- UGC Nominee
3. Prof. K Shankaraiah	:	Member-State Govt. Nominee
4. Prof. D. Sreeramulu	:	Member- OU Nominee
5. Prof. PSN Reddy	:	Member
6. Prof. Raja Shekar	:	Member
7. Mr. Ganesh Aiyer	:	Member
8. Prof. Souri Banerjee	:	Member
9. Dr. Suren Sista	:	Member
10. Dr. Jyothi Nayar	:	Member
11. Dr.K. Sreelatha Reddy	:	Member
12. Mrs. B Niraimathi	:	Special Invitee
13. Dr. Madhumita Bhattacharjee	:	Special Invitee
14. Dr. A.Sai Padma	:	Special Invitee
15. Prof. Y Ashok	:	Member Secretary

2. The Chairman, Air Cmde. (Retd.) JLN Sastry, welcomed all the members of the Governing Body and expressed his delight in conducting the 47th Governing Body meeting online through Zoom Platform during this pandemic situation. The Chairman then took up the agenda points for discussion.

Agenda for discussion:

(1) Approval of the Minutes of the 46th Governing Body Meeting held on 10th January, 2020 at 10.30 am at Bhavan's Vivekananda College.
(2) Consideration and approval of decisions taken by Boards of Studies of all the departments
(3) Consideration and approval of the decisions of Academic Council in its meeting on 25/06/2020.
(4) Consideration and approval for New Programmes as approved by the Academic Council :-
    a) B.Sc. (Microbiology, Nutrition & Dietetics, Chemistry)
    b) B.Sc. (Honours) with Data Science.
(5) Consideration and approval of College Budget for 2020-21 as approved by the Finance Committee.
(6) Admission Schedule -2020-21
(7) Ranking of the College by National Institutional Ranking Framework (NIRF)-2020
(8) Any other points with the permission of the Chairman

The Chairman welcomed all the members and took up the points on the agenda for discussions.

Agenda Point No. 4: Consideration and approval of New Programs as recommended by the Academic Council in its meeting held on 25th June 2020:

a) ***B.Sc. (Microbiology, Nutrition and Dietetics, Chemistry)***
b) ***B.Sc. (Honours) Data Science***

16. Mrs. Niraimathi presented the course structure and template of BSc (Honours) Data Science.

17. Dr. Sai Padma presented the course structure and template of BSc Nutrition and Dietetics that is to be offered in combination with Microbiology and Chemistry.

18. The Governing Body resolved to approve the 2 new programs B.Sc. (Honours) Data Science and B.Sc. (Microbiology, Nutrition and Dietetics, Chemistry) to commence from the academic year 2020-21, both the programmes with a sanctioned intake of 50 students each.

19. Prof. Souri Banerjee suggested that as Data Science is a dynamic and evolving subject, a pool of electives be included in the 3rd year to make the honours program more robust.

20. Prof. PSN Reddy advised the Principal to inform the parent University (OU) about the two new programs started by the college along with the course syllabus and course structure and thereafter request for the affiliation of the new programs.

21. Principal Prof. Y Ashok informed the members that we would take action accordingly.

Agenda Point No.5: Consideration and approval of College Budget for 2020-'21 as recommended by the Finance Committee held on 27th May 2020:

22. Prof. Y Ashok presented the College Budget 2020-'21 for consideration and approval by the members of the Governing Body. He also informed the members that the budget was prepared in March2020before the pandemic situation, hence it is now subject to revenue generation and optimization & economization of expenditure. The summary of the budget is presented below :

Budget Summary 2020-21 :

	Particulars	Budget 2020-2021 BVC	Actuals BVC 2019-2020	Budget 2020-2021 MBA	Actuals MBA 2019-2020	TOTAL Budgeted 2020-21	TOTAL Budgeted 2019-20	TOTAL Budgeted 2018-19	Total Actuals 2019-2020
1	Receipts	204389785	186828559	26274000	21882104	230663785	210762980	172790475	208710663
2	Revenue Expenditure	162605000	138511217	31400000	21701809	194005000	175685000	158465000	160213026
	Revenue Surplus	41784785	48317342	-5126000	180295	36658785	35077980	14325475	48497637
3	Capital Expenditure	34920000	4859400	220000	10257207	35140000	32150000	13210000	15116607
	Surplus/ Deficit	6864785	43457942	-5346000	-10076912	1518785	2927980	1115475	33381030

Note : Deficit of MBA will be met from the surplus of BVC.

Bharatiya Vidya Bhavan

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20.06.2020

PROCEEDING BY PRINCIPAL, BHAVAN'S VIVEKANANDA COLLEGE,SAINIKPURI

Sub: Constitution of Board of Studies, Dept. of Data Science.
Ref: ORDER – As per the UGC REGULATIONS (Autonomous College-2018).

***

The Board of Studies for the Department of Data Science is hereby constituted by the Principal, Bhavan's Vivekananda College, Sainikpuri as per Autonomy regulations dated 2nd April 2018.

SL. No.	Name / Designation	Designation in BOS	Term
1.	Mrs.B Niraimathi Head, Department of Physics & Electronics, BVC	Chairperson	Ex-Officio
2.	Prof.K Shyamala Professor, Computer Science and Engineering Osmania University, Hyd.	OU Nominee	Two Years
3.	Dr.N Kishan Professor, Department of Mathematics Osmania University, Hyderabad.	Subject Expert	Three Years
4.	Dr.G Jayasree Associate Prof., HOD, Dept. of Statistics, OU, Hyd.	Subject Expert	Three Years
5.	Ms.Sadhana Suryanarayanan Senior Analyst, NTT Data Services, Bangalore.	Industry Expert	Three Years
6.	Mr.Praveen Kumar Kodur Lead Data Scientist Franklin Templeton Investments, Hyd.	Industry Expert	Three Years
7.	Ms.C Aruna Jyothi Asst. Statistical Officer , Govt. of Telanaga	Alumni	Three Years
8.	Mrs. K V B Saraswathi Devi Head, Dept. of Computer Science, BVC	Member	Three Years
9.	Mrs.K Padma Priya Lecturer, Dept. of Computer Sc., BVC	Member	Three Years
10.	Mr.G Mahesh Kumar Asst.Prof., Dept. of Computer Sc., BVC	Member	Three Years
11	Mrs. G S Mini Asst.Prof., Dept. of Math. & Stats. BVC	Member	Three Years
12.	Mr. V Selva Kumar Asst.Prof, Dept.of Math. & Stat, BVC.	Member	Three Years
13.	Mrs.Santi Rohit Rao Lecturer, Dept. of Maths & Stats, BVC	Member	Three Years
14.	Mrs. P Rajini Lecturer, Dept. of Maths & Stats, BVC.	Member	Three Years

Prof. Y Ashok
PRINCIPAL

Bharatiya Vidya Bhavan

Bhavan's Vivekananda College

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23-06-2020

1st Board of Studies meeting for B Sc (Honours)in Data Science

Agenda:

1. Approval of template of B Sc (Honours) in Data Science Programme
2. Approval of the syllabi for semesters 1 & 2 of all courses
3. Approval of the Scheme of examinations and pattern of question papers
4. Recommendation for Panel of Examiners
5. Any other points

B Niraimathi
Chairperson

CHAIRPERSON
BOS in Data Science
Bhavan's Vivekananda College
Sainikpuri.

Bharatiya Vidya Bhavan

Bhavan's Vivekananda College
of Science, Humanities and Commerce, Sainikpuri
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Minutes of the 1st Board of Studies meeting for B Sc (Honours)in Data Science held on 23-06-2020 through Microsoft teams

Members present:

1. Mrs B Niraimathi, Chairperson
2. Prof K Shyamala, OU Nominee
3. Prof. N Kishan, Academic Expert
4. Ms. SadhanaSuryanaraynarayanan, Industry Expert
5. Mrs K V B Saraswathi Devi, Member
6. Mrs G S Mini, Member
7. Mr C Selva Kumar, Member
8. MrsPadmapriya, Member
9. Mrs SantiRohit Rao, Member
10. Mrs P Rajini, Member
11. MrsMadhuriMathur, Special Invitee

Agenda:

1. Approval of template of B Sc (Honours) in Data Science Programme
2. Approval of the syllabi for semester 1 & 2 of all courses
3. Approval of the Scheme of examinations and pattern of question papers
4. Recommendation for Panel of Examiners
5. Any other points

Mrs B Niraimathi welcomed Prof Y Ashok, Principal and introduced all the members.

Principal Prof Y Ashok welcomed Prof K. Shyamala, Prof N Kishan and Ms Sindhuexpressed that the college has a proposal to start a 3 Year B Sc Honours Progamme in Data Science with effect from 2020-21 and thanked the members for their participation and requested them to provide their valuable inputs.Prof KShyamala expressed her happiness to be a part of BOS in Data Science at BVC.

Mrs BNiraimathistarted the discussion on the agenda points as follows.

Agenda Point No. 1: Approval of template for B Sc (Honours) in Data Science Programme

Mrs B Niraimathi mentioned that Data Science being an interdisciplinary subject, faculty members from the disciplines of Mathematics, Statistics and Computer Science of BVC came

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BOS in Data Science
Bhavan's Vivekananda College
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together in designing the B Sc Programme in Data science. She mentioned that UGC guidelines are followed in fixing the credits.

Mrs B Niraimathi said that the programme would be called as B Sc (Honours) in Data Science, would be a 3 Year programme spread over in 6 semesters with a research component in the 6th semester as Project Work.She presented the template to the board. She also mentioned that in regular B Sc Programme there is a total of 20 credits for General English and 20 credits for II language. But in the Honours programme there is no II language and only 8 credits is allotted for English for Technical Communication, spread in 2 semesters of 4 credits each. The remaining 32 credits are added for core courses. The Ability Enhancement Compulsory Courses (AECC), Skill Enhancement Courses (SEC) and Generic Elective (GE) Courses are also included as per the guidelines of TSCHE. Prof K Shyamala enquired the basis for fixing the total credits at 150 and what the total credit for regular B Sc programmes is. Mrs BNiraimathi said that as per UGC guidelines the minimum credits for Honours programme is 140 and can go up to 160; the total credits for regular B Sc programmes has been fixed at 150 by TSCHE and therefore the same 150 credits is fixed for Honours programme also. The board carefully examined the template, semester wise credit allocation and titles of the courses.

Resolution1:

The board then approved the template for B Sc (Honours) in Data Science with the following suggestions.

- Provide more practical exposure to students
- Make internship mandatory during summer immediately after II Year
- Provide choice to do at least one existing course in the final semester through MOOCs/NPTEL

Agenda point No 2: Approval of the syllabi for semester 1 & 2 of all courses

MrsB Niraimathi presented the syllabi for first and second semester of all the courses and started the discussion in detail.Prof K Shyamalaenquired if there is a member from English Department in the design of English for Technical Communication paper. MrsB Niraimathi told that Mrs MadhuriMathurfrom the Department of English has been involved and she is present in the meeting as a special invitee.Mrs MadhuriMathurthen elaborated the various components of the syllabus.

Mrs P Rajini elaborated on the various aspects of Computational Statistics paper and Probability and Statistical Methods paper. Prof KShymala suggested to remove Introduction to R from unit IV of Computational Statistics in first semester,since these concepts could be dealt in practical paper Exploratory Data Analysis using R Programming in II semester and she asked to bring in something else in that place.

Mrs G S mini elaborated on the various components of Differential Equations and Real Analysis Papers. Prof NKishanmentioned that the syllabi is designed in line with the University Syllabus. He expressed his satisfaction about syllabus.

Mrs. KVB Saraswati presented the syllabi of Programming in 'C', Operating Systems, Database Management Systems and Introduction to Data Science papers. Prof K

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Bhavan's Vivekananda College
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Shyamalasuggested to remove the subtitles of the topics in the syllabus in Programming in 'C' paper and not to limit programmes to 2 per week in practical classes.

She also asked to take opinion of the industry expert about the contents of Introduction to Data Science paper. Ms Sadhana who could not express in the meeting at this point of time due to technical reason, later expressed through mail that necessary topics that are relevant in the industry are covered well.

The members were overall happy and satisfied by the way the syllabus is framed.

Resolution 2:

The board resolved to approve the syllabus of all courses for semester I and II with the suggested changes.

Agenda Point No 3: Approval of the Scheme of examinations and pattern of question papers

Mrs B Niraimathi, presented the Scheme of Examinations, Question paper pattern for English for Technical Communication and all other Core and Discipline Specific Elective courses highlighting the fact that the pattern for English is different from others courses. The members of the board were satisfied.

Resolution 3:

The board then resolved to approve the scheme of examinations and pattern of question papers.

Agenda Point No 4: Recommendation for Panel of Examiners:

MrsB Niraimathipresented the panel of examiners course wise and requestedthe board to approve the same. She also requested Prof KShyamala to suggest examiners for Data Science papers as there are only 2 colleges offering Programmes in Data Science in twin cities. Prof K Shyamala suggested to request alumni who are in the industries as examiners as they can now do the evaluation online from anywhere.

Resolution 4:

The board approved the panel of examiners with a suggestion to include industry experts wherever possible.

Resolution 5:

It was resolved that the Chairperson, BoS in Physics, in consultation with the Principal of the college is authorized to appoint qualified examiners outside the approved panel in case of urgency. Such arrangements shall however be reported to the BoS in the next meeting.

Agenda point No 5: Any other points:

MrsB Niraimathienquired about the available options for higher studies after completion of BSc (Honours) in Data Science Programme, Prof K Shyamala and Prof N Kishan expressed that they are eligible for M Sc Data Science, M Sc Mathematics, M Sc Statistics, M Sc Computer Science and M Sc IS.

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Dept. of Computer Science & Engg.
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CHAIRPERSON
BOS in Data Science
Bhavan's Vivekananda College
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Prof KShyamala and Prof N Kishan appreciated the efforts of the college in starting the novel programme and congratulated & wished the members all the very best.

Mrs Niraimathi proposed vote of thanks and the meeting ended as there were no other points at about 12.30 pm.

CHAIRPERSON 13/7/2020
BOS in Data Science
Bhavan's Vivekananda College
Sainikpuri.

Signatures:

1. Mrs B Niraimathi, Chairperson
2. Prof K Shyamala, OU Nominee
3. Prof. N Kishan, Academic Expert

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College of Engg., O.U. Hyderabad.

Dr. P. KISHAN
Professor & chairperson B.O.S.
Dept. of. Mathematics
Osmania University,Hyderabad-500 007

4. Ms. SadhanaSuryanaraynarayanan, Industry Expert
5. Mrs K V B Saraswathi Devi, Member
6. Mrs G S Mini, Member
7. Mr V Selva Kumar, Member
8. MrsPadmapriya, Member
9. Mrs SantiRohit Rao, Member
10. Mrs P Rajini, Member
11. MrsMadhuriMathur, Special Invitee

Bharatiya Vidya Bhavan

BHAVAN'S VIVEKANANDA COLLEGE

of Science, Humanities and Commerce, Sainikpuri

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Template for B. Sc (Honours) Data Science under CBCS effective from 2020-21

Year	Semester	Course Type	Course Code	Course Title	Hours per week	Credits	Marks		
							CIA	SEE	Total
I Year	I	English Communication	HDS121	English for Technical Communication I	4	4	30	70	100
		DSC1	HDS122	Differential Equations-Theory	6	5	30	70	100
		DSC2	HDS123	Computational Statistics -Theory	4	4	30	70	100
			HDS123P	Computational Statistics using Spreadsheet-Practical	2	1	15	35	50
		DSC3	HDS124	Programming in 'C'-Theory	4	4	30	70	100
			HDS124P	Programming in 'C'-Practical	2	1	15	35	50
		DSC4	HDS125	Operating Systems-Theory	4	4	30	70	100
			HDS125P	Operating Systems-Practical	2	1	15	35	50
		AECC	AECC-I	EVS/Computer Fundamentals	2	2	15	35	50
				Total	**30**	**26**			**700**
	II	English Communication	HDS221	English for Technical Communication II	4	4	30	70	100
		DSC5	HDS222	Real Analysis -Theory	6	5	30	70	100
		DSC6	HDS223	Probability and Statistical Methods-Theory	4	4	30	70	100
			HDS223P	Exploratory Data Analysis using R Programming-Practical	2	1	15	35	50
		DSC7	HDS224	Database Management Systems-Th	4	4	30	70	100
			HDS224P	DBMS-Practical	2	1	15	35	50
		DSC8	HDS225	Introduction to Data Science-Theory	4	4	30	70	100
			HDS225P	LibreOffice Spreadsheet-Practical	2	1	15	35	50
		AECC	AECC-II	AECC	2	2	15	35	50
				Total	**30**	**26**			**700**
II Year	III	DSC9	HDS321	Absract Algebra-Theory	6	5	30	70	100
		DSC10	HDS322	Inferential Statistics-Theory	4	4	30	70	100
		DSC11	HDS323	Optimization Methods for Analytics-Theory	4	4	30	70	100
			HDS322P	Data Analysis Practical using Python and TORA I-Practical	2	1	15	35	50
		DSC12	HDS324	Python Programming-Theory	4	4	30	70	100
			HDS324P	Python Programming-Practical	2	1	15	35	50
		DSC13	HDS325	Data Structures-Theory	4	4	30	70	100
			HDS325P	Data Structures using C-Practical	2	1	15	35	50
		SEC	HDS326A/	SEC1	2	2	15	35	50
				Total	**30**	**26**			**700**

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	IV	DSC14	HDS421	Linear Algebra-Theory	6	5	30	70	100
			HDS421P	Linear Algebra-Practical	2	1	15	35	50
		DSC15	HDS422	Applied Statistics-Theory	4	4	30	70	100
		DSC16	HDS423	Advanced Optimization Methods for Analytics -Theory	4	4	30	70	100
			HDS422P	Data Analysis Practical using Python and TORA II-Practical	2	1	15	35	50
		DSC17	HDS424	Big Data Analytics-Theory	4	4	30	70	100
			HDS424P	Big Data Analytics-Practical	2	1	15	35	50
		DSC18	HDS425	Computer Networks-Theory	4	4	30	70	100
		SEC	HDS426A/	SEC-2	2	2	15	35	50
				Total	**30**	**26**			**700**
III Year	V	DSE1	HDS521A/	Elective:A. Numerical Analysis-Theory B.	6	5	30	70	100
		DSC19	HDS522	Machine Learning -Theory	4	4	30	70	100
			HDS522P	Machine Learning-Practical	2	1	15	35	50
		DSC20	HDS523	Predictive Analytics-Theory	4	4	30	70	100
			HDS523P	Predictive Analytics - Practical	2	1	15	35	50
		DSE2	HDS524A/	Eelctive:A. Software Engineering - Theory B.	4	4	30	70	100
			HDS524P	Software Engineering-Practical	2	1	15	35	50
		GE	HDS525	GE 1	4	4	30	70	100
		Intern	HDS526	Internship & Seminar	2	4	-	-	100
				Total	**30**	**28**			**750**
	VI	DSC21	HDS621	Artificial Intelligence -Theory	4	4	30	70	100
		DSE3	HDS622A/	Elective:A. Cloud Computing-Theory B.	4	4	30	70	100
		DSE4	HDS623A/	Elective:Network Security-Theory B.	4	4	30	70	100
		GE	HDS624	GE 2	4	4	30	70	100
		PROJECT	HDS625	Project Work	8	8	-	-	200
				Total	**24**	**24**			**600**
				Grand Total		**156**			**4150**

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Dept. of Computer Science & Engg.
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13/7/2025

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590/BVC/ACM/2020 — 25th June 2020

MINUTES OF THE 7th MEETING OF THE ACADEMIC COUNCIL HELD ON 25th JUNE 2020 AT 10.00 a.m.ON ZOOM PLATFORM

VII - 1.0 Members present:

			Designation
1	Prof. Y Ashok	Principal	Chairman
2	Prof. Appa Rao V	Dean, Faculty of Commerce	Member
3	Prof. Shivaraj	Dean, Faculty of Science	Member
4	Prof. Karunaker A	Dean, Faculty of Arts	Member
5	Prof. P S N Reddy	Retd. Professor, Osmania University, Hyd	Member
6	Prof. M Gopal Reddy	Retd. Professor, Osmania University, Hyd	Member
7	Mrs.B Niraimathi	Head, Dept. of Physics & Electronics	Member
8	Dr.MadhumitaBhattacharjee	Head. Dept. of Chemistry	Member
9	Dr. K Sreelatha Reddy	Head. Dept. of Commerce	Member
10	Dr. JyothiNayar	Head. Dept. of Genetics & Biotechnology	Member
11	Dr.Ckameswari	Head, Dept. of Languages	Member
12	Mrs. KVB Saraswathi Devi	Head. Dept. of Computer Science	Member
13	Dr. K Anuradha	Head, Dept. of Microbiology	Member
14	Dr. A Sai Padma	Head, Dept. of Biochemistry	Member
15	Dr. N S Chakravarthy	Head, Dept. of Management Studies	Member
16	Dr. G Kondal Reddy	Physical Director	Member
17	Dr.Seema Ghosh	Head, Dept. of Economics & Co-ordinator - BA	Member
18	Mr. P R Venugopal	Asst. Professor, Dept. of Commerce	Member
19	Mrs. G S Mini	Asst. Professor, Dept. of Maths& Stats. Offg. HOD, Dept. of Maths & Statistics	Member
20	Dr.Jsarada	Asst. Professor, Dept. of Microbiology	Member
21	Dr. M V S Mahendra	Associate Professor, Dept. of Mgmnt. Studies	Member
22	Mrs.K Suvarchala Rani	Dy.Co-ordinator, IQAC	Special Invitee
23	Mr. S Ramana	Offg. Controller of Examination	Special Invitee
24	Mr. Bibhudendu Das	Lecturer, Dept. of Political Science	Special Invitee
25	Mr. Shiva Trishul	Lecturer, Dept. of Mass Communication	Special Invitee
26	Mr.SiddharthMutalik	B.Com (H) III Yr	Student Represetative
27	Ms.PNLSrilalitha	M.Sc (Microbiology) II Yr	Student Representative
28	Ms. Madhuri Mathur	Lecturer in English, Dept. of Languages	Member Secretary

VII -2.0 Agenda for discussion:

(a) Approval of the Minutes of the 6th Academic Council Meeting held on 6th January 2020.
(b) Consideration and approval of the decisions of the Board of Studies of all the departments.
(c) Consideration and approval of College almanac 2020-21.

that the decisions regarding the college almanac may be taken as and when required in view of the prevailing situation.

Resolution: The Principal is authorised to take decisions on the basis of State Council/ UGC guidelines and the prevailing situation.

(d) ***Admission Schedule 2020-21*** *:*

The Admission Schedule was presented by the Academic Coordinator, BVC.

ADMISSION SCHEDULE FOR 2020 - '21

Sl.No.	*ACTIVITIES*	*DATE*
1.	*Sale and Registration of application for UG I Year*	*29-06-2020 to 19-07-2020*
2.	*Admission Phase I*	*22-07-2020 to 25-07-2020*
3.	*Admission Phase II*	*27-07-2020 to 30-07-2020*
4.	*Spot Admission*	*04-08-2020*

The following ***suggestions*** *were made by the members:*

1. *All necessary precautions must be taken during the candidates' physical presence on the campus.*
2. *Recorded evidence must be kept of the precautions taken.*
3. *The duration of the admission process may be increased, if required, to ensure physical distancing on the campus.*

(e) ***Consideration for approval of new programmes*** *:*

(i) B.Sc (Microbiology, Nutrition & Dietetics, Chemistry)

(ii) B.Sc (Honours) Data Science

i) B.Sc (Microbiology, Nutrition & Dietetics, Chemistry) :

The proposal for the Programme was discussed in detail. The members were informed that the infrastructural requirements have been assessed and that faculty for Nutrition will be appointed.

The ceiling strength for the Programme is 50 students.

The Department of Biochemistry will be the nodal department for the Programme.

Resolution: The Programme is approved subject to infrastructural and faculty requirements being met.

ii) ***B.Sc (Honours) Data Science :***

The proposal for the Programme was discussed at length. The members were informed about the course fee, student intake, and credits for the Programme.

The tution fee for the Programme is Rs 70,000/- per annum and the ceiling strength for the Programme is 50 students.

The Board of Studies had approved the Programme with 150 credits. However, taking the advice of the Academic Council for a higher number of credits, the number of credits has been increased to 156, with 6 credits for internship.

The following ***suggestions*** *were made by the members:*

1. *A difference of 20 credits is advisable between BSc Regular and BSc Honoursprogrammes. So the number of credits for the Programme may be increased.*
2. *The Programme must include a Project and an Internship. A special effort may be made to ensure that all students secure an internship.*
3. *External examiners for the Data Science programme may be taken from engineering colleges, instead of Industry as proposed by the Board of Studies.*
4. *The college is advised to explore the possibility of an Integrated M.Sc (Data Science) Programme, with exit option, in the future.*

Suggestion: It is recommended to have one nodal department for the Programme.

Resolution: The Programme is approved subject to providing necessary infrastructure and appointing required faculty.

(e) ***Any other points with the permission of the Chairman:***

There were no other points to be discussed.

The Meeting ended with a vote of thanks by the Member Secretary.

Prof.Y.Ashok
Chairman

Madhuri Mattu
22.7.2020

501/BVC/2020-21 28 July, 2020

To
The Registrar
Osmania University
Hyderabad.

Sir,

Sub : Commencement of New Programmes (Two) - Regd.

***

Our College is granted autonomous status from the academic year 2015-16. During the academic year 2020-21, we are commencing two new programmes in B.Sc a) B.Sc (Microbiology, Nutrition & Dietetics, Chemistry) b) B.Sc (Honours) (Data Science). Approval for these programmes is accorded by the Academic Council in its meeting held on 25th June 20020 and also by Governing Body in its 47th meeting held on 29th June 2020. Both the programmes are with the sanctioned strength of 50 students.

B.Sc (Honours) (Data Science) programme will be in lieu of one section of B.Sc (MPCs). We are herewith forwarding the minutes of Academic Council and Governing Body for your information. We request you to include the new programmes in our affiliation order 2020-21.

Thanking you,

Yours Sincerely

Prof. Y Ashok
Principal

CCTO : The Dean
College Development Council
Osmania University
Hyderabad.

29/7/2020

OSMANIA UNIVERSITY
HYDERABAD-500 007

No.MR- 510/**1072**/ Affl./H-UG/2020-21/Acad/IV-3 Date: 31 .07.2021.

CERTIFICATE

Sub: Affiliated Colleges – Bhavan's Vivekananda College of Science, Humanities & Commerce, (Autonomous) Sainikpuri, Secunderabad – Courses offered Certificate– Issued.

Ref:- Your Lr. No. 502/BVC/Fees//2021, dt. 01.05.2021 received from the Principal, Bhavan's Vivekananda College of Science, Humanities & Commerce, Sainikpuri, Secunderabad.

This is to certify that **Bhavan's Vivekananda College of Science, Humanities & Commerce, (Autonomous), Sainikpuri, Secunderabad**, is an Autonomous college affiliated to Osmania University offering following courses, with the intake mentioned against each, for the academic year **2020-21:**

S.No.	Name of the Course/Combination	Ceiling	Medium
UG Courses:			
1	B.Com (General)	60X2	EM
2	B.Com (Computer)	60X2	EM
3	B.Com (Hons)	60X2	EM
4	B .Sc.(MPCs)	50X2	EM
5	B.Sc. (MSCs)	50X2	EM
6	B.Sc. (MECs)	50X2	EM
7	B.Sc. (Mb G C)	50	EM
8	B.Sc. (Mb Bc C)	50	EM
9	B.Sc. (Bt G C)	50	EM
10	BCA	50	EM
11	B.A. (Pol.Sc. Econ.Mass Comn)	60	EM
12	BBA	60X2	EM
13	B.Com(Hons) (Business Analytics)	60	EM
	New Courses		
1	B.Sc (Honours) Data Science	50	EM
2	B.Sc(Microbiology,Nutrition and Dietetics, Chemistry)	50	EM

Bhavan's Vivekananda College of Science, Humanities & Commerce ★ Sainikpuri, R.R. Dist.

..2.

P.G. Courses			
1	MBA	120	EM
2	M.Sc(Computer Science)	40	EM
3	M.Sc(Bio-Chemistry)	30	EM
4	M.Sc (Microbiology)	30	EM
5	M.Com.	40	EM

REGISTRAR

To
The Principal,
Bhavan's Vivekananda College of Science, Humanities & Commerce,
Sainikpuri,
Secunderabad.

K. Suvarchala Rani 09/05/2022
Deputy IQAC Coordinator

9/5